

# N3

# N3

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## Bollard



Spoon  
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Kono zoom  
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Bamboo mini  
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Bamboo  
→ 88



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## Architectural floodlight



Kono zoom  
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Kinetic  
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Levante 2.0  
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Omikron mini Flood  
→ 162



Omikron Flood  
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Omikron pro Flood  
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Sigma Flood  
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Lit Flood  
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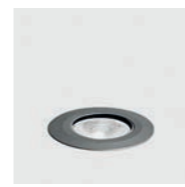


Kosmos Flood  
→ 398



Cube  
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## Walk Over Recessed



Chara  
→ 254



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## Drive Over Recessed



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## Ground



Bamboo mini  
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Bamboo  
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## Wall



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Kinetic  
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Grapho mini  
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Bamboo mini  
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Bamboo  
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Cube  
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One4two  
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Banister  
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Trail  
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## Wall Recessed



Aplos  
→ 114



Chara  
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Fin  
→ 126



Fin xs  
→ 136



Trail  
→ 272

## Ceiling



Kinetic  
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Trail  
→ 272



Cube  
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## Ceiling Recessed



Chara  
→ 254



Kore  
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Ekleipsis  
→ 144



Trail  
→ 272

## Post Top



Poli  
→ 358



Dual  
→ 366



Ekleipsis Pole  
→ 144



Kosmos  
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Kalos  
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Ypsilon  
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Agathos  
→ 430

## Pole Side



Spoon  
→ 46



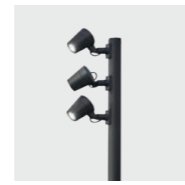
Kono zoom  
→ 72



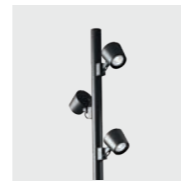
Levante 2.0 Poles  
→ 206



Levante 2.0 Brackets  
and poles → 206



Omikron mini Pole  
→ 162



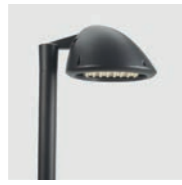
Omikron Pole  
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Omikron pro Pole  
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Sigma Pole  
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Sigma Street  
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Volta  
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Themelio  
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Lit System  
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Lit Poles  
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Lit Bracket and poles  
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Kosmos  
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Nodea  
→ 542



Orao  
→ 548



Kalos  
→ 374



Agathos  
→ 430



Flat link  
→ 560



Big Link  
→ 574



Classic  
→ 588



Ypsilon  
→ 454



Mât Balancier  
→ 598

## String Suspension



Levante 2.0  
→ 206



Volta  
→ 500



Themelio  
→ 524



Kosmos  
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Orao  
→ 548



Kalos  
→ 374



Flat Link  
→ 560

## Ceiling Suspension



Spoon  
→ 46



Volta  
→ 500



Themelio  
→ 524



Kosmos  
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Kalos  
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Agathos  
→ 430

## Street



Koiné  
→ 606



Kai  
→ 614



Kairos  
→ 622



Newton 2.0  
→ 628

## Large Areas Floodlight

## Associations



Associazione Italiana di Illuminazione.  
Company of Italian Lighting Association.



### FEDERLEGNOARREDO

Assoluce, associazione di FederlegnoArredo cui aderiscono le aziende italiane produttrici di apparecchi di illuminazione.

Assoluce, an association of FederlegnoArredo whose members are Italian lighting manufacturers.



Consorzio per la raccolta e lo smaltimento delle apparecchiature di illuminazione.

Consortium for collection and waste of lighting system equipments.



Associazione francese dei designer della luce e dell'illuminazione.

Company of French Lighting designer's Association.



UNI Ente Nazionale Italiano di normazione.

UNI Italian National Standardization Authority.



Associazione Nazionale Produttori Illuminazione.  
National Association Lighting Manufacturer.



UAI: Certificazione rilasciata dall'Associazione Unione Astrofili Italiani agli apparecchi valutati anti-inquinamento luminoso.

UAI: Certification issued by the Italian Astronomy Lovers Union association for those fixtures which are esteemed as "anti-lighting-pollution".



Società Italiana Gallerie.  
Italian Tunnelling Society.



Confederazione generale dell'industria italiana.  
General Confederation of Italian Industry



Cariboni  
group



Una forte passione per la luce  
e un costante impegno nella  
ricerca e nell'innovazione

Cariboni è stata fondata da Osvaldo Cariboni nel 1908 in Lombardia per produrre accessori per linee elettriche. Dal 1965 l'azienda sviluppa con originalità importanti innovazioni tecnologiche nel settore dell'illuminazione e ha acquisito nel tempo profonda esperienza nella gestione dei corpi illuminanti.

Ci distingue una forte passione per la luce e un costante impegno nella ricerca e nell'innovazione.

Offriamo soluzioni per l'illuminazione di piccoli borghi e grandi città: piste ciclabili e pedonali, percorsi veicolari, piazze, aree verdi e architetture; spazi per il lavoro e il tempo libero, per la cultura e il benessere, per lo sport e la mobilità.

Ogni nostra soluzione è un sistema coerente che consente al progettista di combinare differenti distribuzioni fotometriche, metodi di fissaggio e opzioni di gestione del flusso luminoso per rispondere al meglio a ogni esigenza.

Cariboni was founded by Osvaldo Cariboni in 1908 in Lombardy to produce accessories for power lines. Since 1965 the company has developed numerous important and original technological lighting sector innovations, as well as gaining in-depth experience in light system management.


A genuine passion for lighting and a constant commitment to research and innovation are our cutting edge.

We offer solutions for lighting small towns and big cities: cycle and pedestrian paths, vehicle routes, squares, parks and gardens, architectures; workspaces and areas for leisure, culture and well-being, for sport and mobility.

All our solutions are part of a cohesive system that allows designers to combine different photometric distributions, installation methods and light flow management options to meet every single requirement more effectively.

A genuine passion for lighting  
and a constant commitment to  
research and innovation





Proteggere la notte e preservare i naturali ritmi biologici di flora e fauna

## Sostenibilità sociale e ambientale

Riconosciamo come valore fondamentale la gentilezza, sia verso il territorio in cui operiamo che nei confronti dell'intero pianeta e di tutta la vita che lo abita.

Collaboriamo con enti e istituzioni locali a vantaggio della comunità di cui ci sentiamo parte. Sosteniamo eccellenze nazionali, soprattutto negli ambiti della creatività e della ricerca tecnologica.

Valutiamo ogni scelta progettuale e produttiva nel rispetto dell'ambiente. Realizziamo sistemi d'illuminazione in grado di ottimizzare i consumi energetici e illuminare solo dove e quando la luce serve. Limitiamo l'inquinamento luminoso per proteggere la notte e preservare i naturali ritmi biologici di flora e fauna. I nostri prodotti sono durevoli e affidabili e in ogni fase di sviluppo ottimizziamo l'uso di materiali e risorse.

## Social and environmental sustainability

We acknowledge that consideration is a fundamental value, not just for the area where we operate, but for the entire planet and all the life that occupies it. We collaborate with local authorities and institutions to benefit the community we feel part of. We support national excellence, especially in the areas of creativity and technological research.

Every design and production decision we make is based on an assessment of its capacity to respect the environment, and we make lighting systems that optimise energy consumption and only illuminate when and where light is needed. We limit light pollution to protect the night and conserve the natural biological rhythms of flora and fauna. Our products are durable and reliable, and we rationalise the use of materials and resources throughout every stage of development.

Protect the night and conserve the natural biological rhythms of flora and fauna

## Made in Italy

Tutte le fasi di progettazione e produzione si svolgono da sempre in Italia, negli stessi luoghi in cui abbiamo iniziato nel 1908, e in sinergia con una fitta rete di imprese locali con cui abbiamo instaurato nel tempo solide relazioni di fiducia. Consideriamo importante circoscrivere le attività nel nostro territorio per poter incontrare i nostri collaboratori.

Promuoviamo il "Made in Italy" proponendo innovazione e qualità nell'illuminazione urbana e nutrendo il nostro saper fare.

## Made in Italy

All stages of design and production have always taken place in Italy, in the same places where we started in 1908, in synergy with a tight network of local companies with which we have established solid relationships of trust over time. We consider it important to limit activities to the local area so that we can meet with our collaborators.

We promote "Made in Italy" by offering innovative, high-quality urban lighting and by nurturing our know-how.



## Progettazione ottica

Il sistema ottico di un apparecchio permette di plasmare la luce emessa dalla sorgente ed è l'essenza dei nostri prodotti. Sviluppiamo ottiche dedicate alle differenti geometrie urbane e siamo attenti alle esigenze di ogni area geografica di nostro interesse. Il progetto di ogni sistema ottico è seguito da un team interno composto da risorse specializzate in ottica, optoelettronica e ricerca di materiali che collabora con Optics Lite, la società del gruppo che si occupa dal 2004 della progettazione e della produzione di ottiche per il settore illuminotecnico.

## Ricerca, Sviluppo e Validazioni

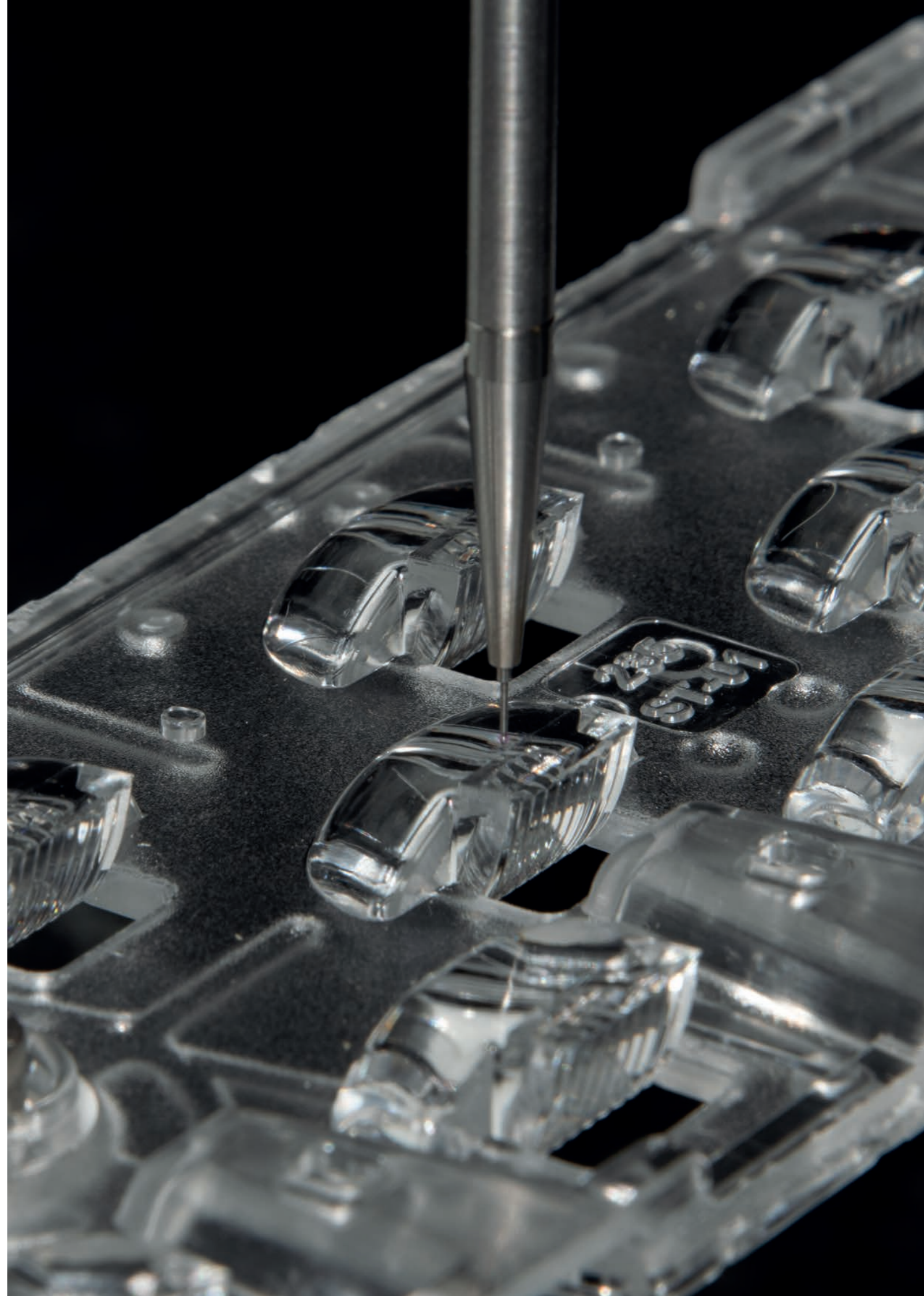
Il design dei nostri prodotti consiste in un progetto integrato di aspetti ottici, elettronici e meccanici. Definiamo aspetti formali e funzionali dopo un'attenta analisi dei possibili contesti applicativi e la valutazione delle relazioni che il sistema di illuminazione avrà con le persone e con l'ambiente. Negli ultimi anni, grazie alla crescente esperienza e allo sviluppo tecnologico, abbiamo incrementato i livelli di robustezza sia dal punto di vista meccanico che elettrico. Nei nostri laboratori eseguiamo test di validazioni a condizioni estreme per una maggiore garanzia di affidabilità.

## Optical design

The optical system of a light fitting is able to mould the light emitted by the source, making it the essence of our products. We develop optics dedicated to the different urban geometries and are sensitive to the needs of every geographical area we are involved in. The design of each optical system is followed by an internal team made up of resources specialising in optics, optoelectronics and material research, which collaborates with Optics Lite, the group company that has been involved in designing and producing optics for the lighting sector since 2004.

## Research, Development and Validation

Our products are based on the integrated design of optical, electronic and mechanical aspects. We define formal and functional aspects after carefully analysing possible application contexts and assessing how the lighting system will interact with people and the environment. Growing experience and technological development in recent years has allowed us to increase both the mechanical and electrical robustness of our products. In our laboratories, we perform validation tests under extreme conditions to guarantee greater reliability. development process improves information and material flows for greater speed and production flexibility.





## Processo produttivo

EsercitiAMO accurati controlli della corretta esecuzione di ogni fase e adoperiamo linee di assemblaggio automatizzate che garantiscono la ripetibilità e la correttezza delle operazioni di montaggio. Un software per la gestione dei processi logistici mappa i flussi di materiale. I controlli dei materiali in ingresso vengono effettuati secondo piani statistici e tramite una valutazione del grado di servizio dei fornitori. I controlli funzionali e di sicurezza sono eseguiti sul 100% dei prodotti. La tracciabilità e la rintracciabilità di componenti e prodotti finiti è garantita da un sistema di identificazione seriale.

## Production process

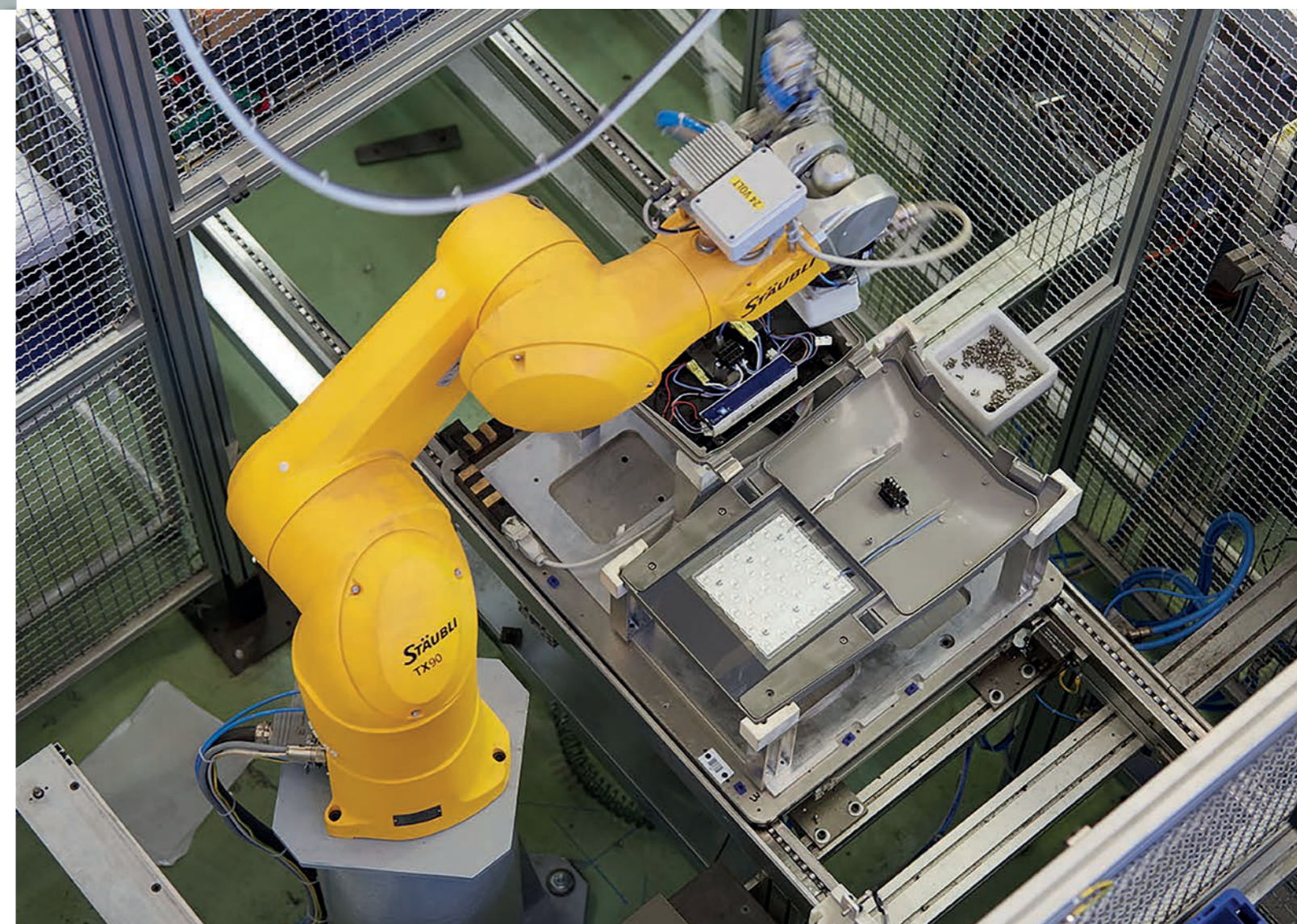
We perform thorough checks to ensure that each stage is carried out correctly, and we use automated assembly lines to guarantee that the manufacturing process is repeatable and correct. Software maps the material flows to manage the logistics processes. Incoming material checks are carried out in accordance with statistical plans and the service level of suppliers is assessed. Functional and safety checks are carried out on 100% of the products. A serial number identification system ensures that components and finished products are traceable.

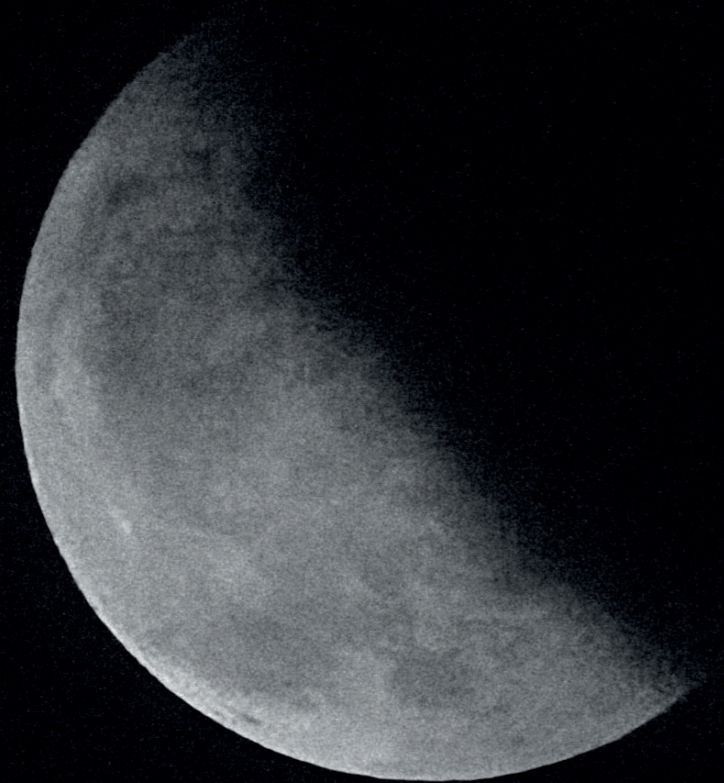
## Zero-sprechi

Crediamo che eliminare gli sprechi sia sempre la scelta giusta. Negli ultimi anni abbiamo ridefinito e standardizzato i nostri metodi e strumenti operativi per eliminare le inefficienze ad ogni livello, dall'ideazione di un nuovo prodotto fino alla sua consegna al cliente. Il nuovo processo di sviluppo zero-sprechi migliora i flussi di informazioni e di materiali a vantaggio della velocità e della flessibilità produttiva.

## Zero waste

We believe that eliminating waste is always the right choice. In recent years we have redefined and standardised our methods and operational tools to eliminate inefficiencies at every level, from conception of a new product to its delivery to the customer. The new zero-waste development process improves information and material flows for greater speed and production flexibility.





# ECO-CENTRIC LIGHTING

Eco-Centric Lighting è l'approccio alla progettazione illuminotecnica degli spazi esterni che mira a tutelare la biodiversità e il benessere umano. Le nostre soluzioni limitano l'inquinamento luminoso e garantiscono la sicurezza e il comfort visivo delle persone.

Eco-Centric Lighting is an approach to the lighting design of outdoor spaces that aims to protect biodiversity and human well-being. Our solutions limit light pollution and ensure people's safety and visual comfort.



DISCOVER MORE

# DARK FRIENDLY LIGHT

L'illuminazione artificiale notturna è una necessità per l'uomo ma è anche una concreta minaccia per i ritmi biologici naturali di flora e fauna. Le soluzioni Dark Friendly possono preservare il buio della notte e limitare l'inquinamento luminoso offrendo al progettista:

- luce calda secondo necessità: dal bianco neutro all'ambra
- luce quando serve: intelligente e adattiva
- luce dove serve: diretta verso il basso
- luce quanto serve: regolabile e minimizzata

Artificial lighting at night is a need for humans but is also a real threat to the natural biological rhythms of flora and fauna. Dark Friendly solutions can preserve the darkness of the night and limit light pollution offering to designer:

- light warm as needed: from neutral white to amber
- light when is needed: smart and adaptive
- light where is needed: downward directed
- light how much is needed: adjustable and minimized

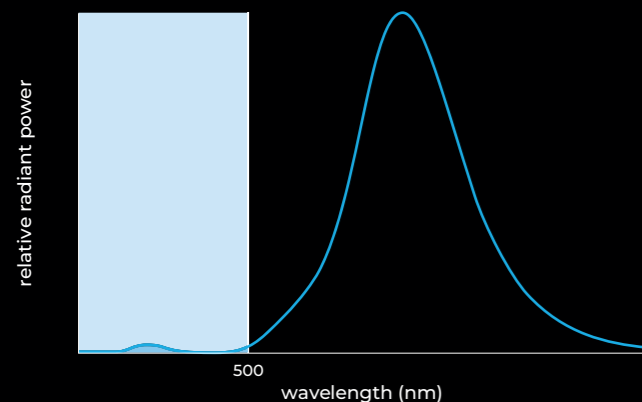


# BLUE FREE LIGHT

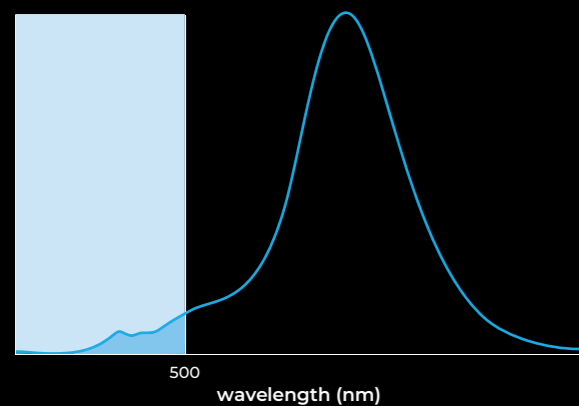
I sistemi ottici Blue Free riducono il contenuto di blu della luce bianca e generano un'atmosfera calda e accogliente per le persone. Sono ideali per illuminare spazi e percorsi di notevole interesse ecologico e prevalentemente frequentati da pedoni o ciclisti.

Blue Free optical systems reduce the blue content of white light and generate a warm and welcoming atmosphere for people. They are ideal for lighting spaces and paths of significant ecological interest and mainly used by pedestrians or cyclists.

PHOSPHOR CONVERTED AMBER (PCA) LED



1800K LED

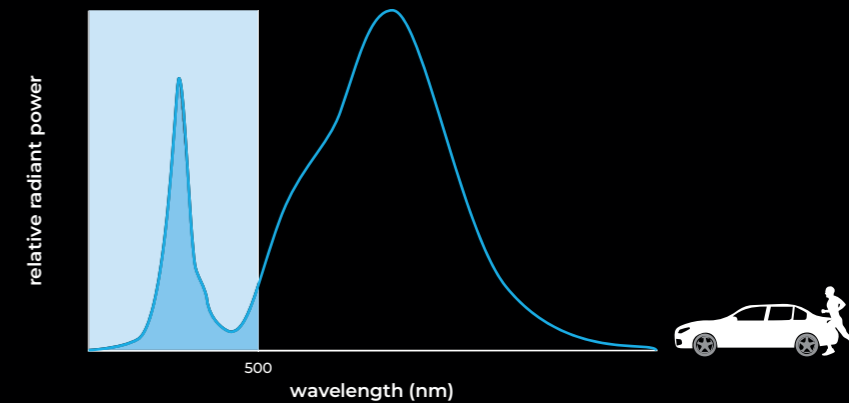


# SWITCHABLE WHITE LIGHT

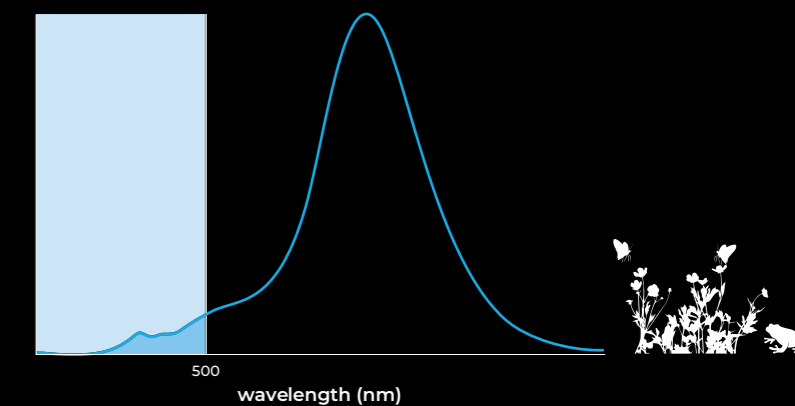
I sistemi ottici Switchable White alternano una luce ambrata a ridotto contenuto di blu (CCT=1800K), che protegge la flora e la fauna, con una luce bianca calda (CCT=3000K), che migliora le prestazioni visive umane quando il traffico è più intenso. Questa soluzione è ideale per illuminare spazi e percorsi ibridi, ecologicamente interessanti ma anche percorribili da veicoli.

The Switchable White optical systems alternate an amber light with reduced blue content (CCT=1800K), which protects the flora and fauna, with a warm white light (CCT=3000K), which improves human visual performance when traffic is heavier. This solution is ideal for lighting hybrid spaces and paths, which are ecologically interesting but also traveled by vehicles.

3000K LED

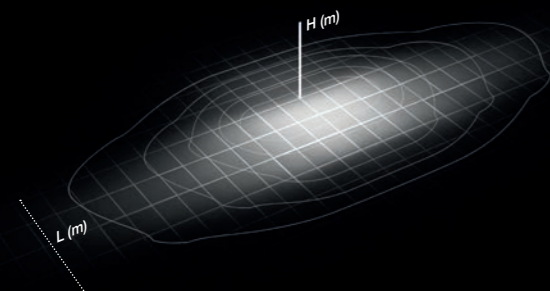


1800K LED

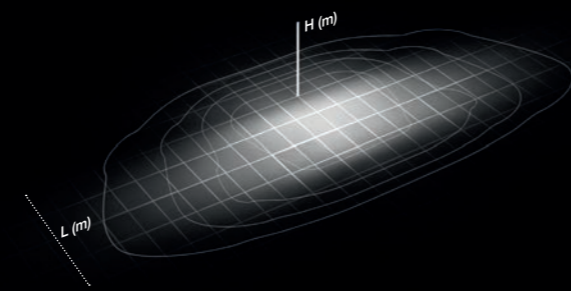


OTTICHE / OPTICS

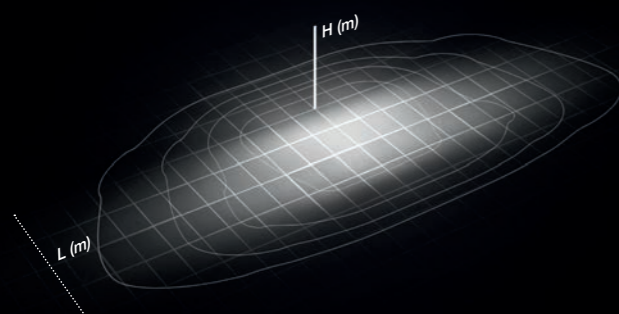
ST-02 Narrow street  
L / H = 0,75



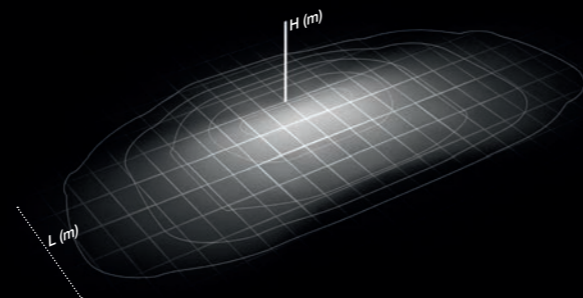
ME-05 Medium street  
L / H = 1



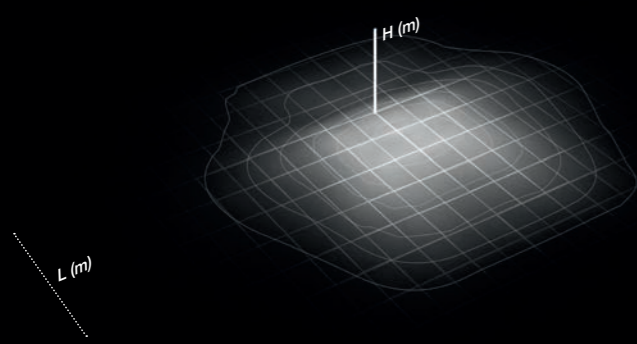
ME-06 Medium street with sidewalk  
L / H = 1



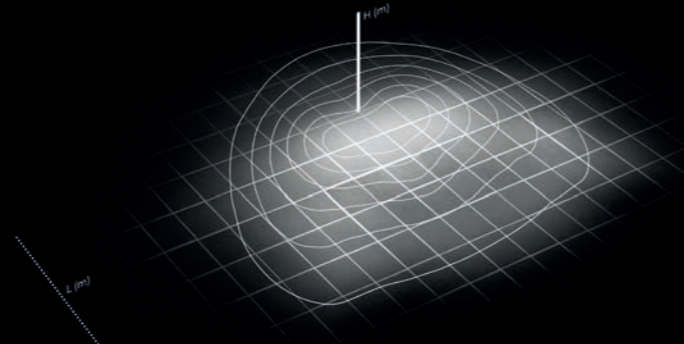
LA-03 Wide street  
L / H = 1,25



LT-63 Asymmetric beam  
L / H = 2



LT-64 Asymmetric beam with backlight  
L / H = 2



ECO-CENTRIC LIGHTING  
SWITCHABLE WHITE LIGHT

● 1800 K / 3000 K

BLUE FREE LIGHT

● 1800 K ● PC-AMBER

ECO-CENTRIC LIGHTING

(ONLY FOR STREET OPTICS)

BLUE FREE LIGHT:

PC-AMBER 0,7%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) \_ CRI 40

1800 K 4,3%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) \_ CRI 70

SWITCHABLE WHITE LIGHT:

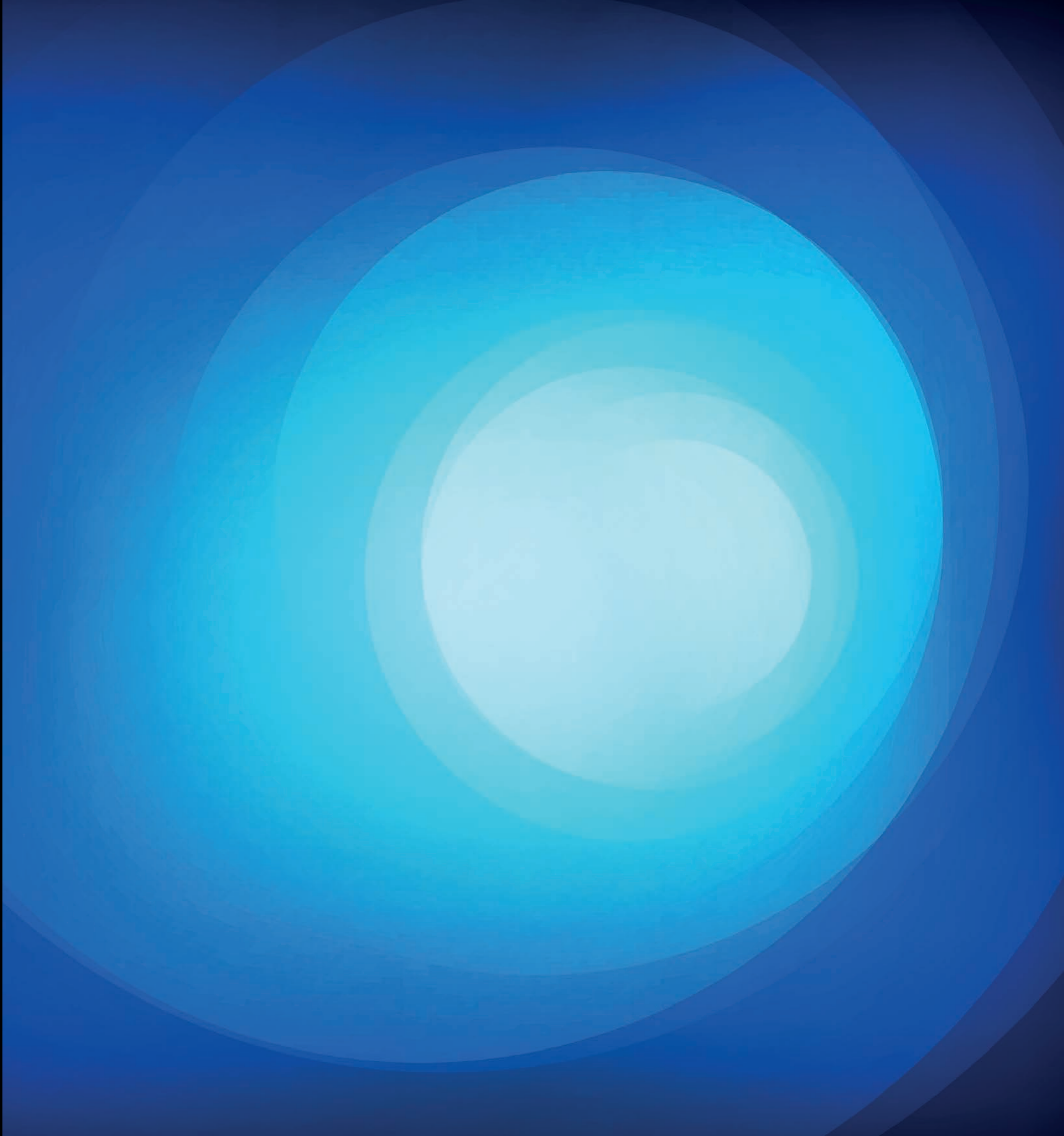
1800K / 3000K



# COLOURFUL URBAN NIGHTS

I colori strutturano lo spazio e cambiano la percezione di un ambiente, con effetti sulla nostra reazione emotiva e risposta comportamentale. La luce colorata nel contesto urbano, se ben progettata, è un efficace strumento narrativo. Durante le ore di buio può svelare uno spazio urbano enfatizzando i suoi elementi costitutivi, alterare la realtà trasformando un paesaggio o raccontare storie attraverso l'eloquente dimensione semantica del colore. I colori comunicano infatti valori e significati che, pur variando nel tempo e nello spazio, rappresentano un linguaggio condiviso capace di attribuire nuovi significati allo spazio e alle architetture.

Colours structure space and change the perception of an environment, with effects on our emotional reaction and behavioral response. Coloured light in an urban context, if well designed, is an effective narrative tool. During the hours of darkness it can reveal an urban space by emphasizing its constituent elements, alter reality by transforming a landscape or tell stories through the eloquent semantic dimension of colour. In fact, colours communicate values and meanings which, although they change over time and space, represent a shared language that can give new meanings to space and architecture.



# COLOUR CHANGING

La luce che cambia colore attribuisce ad un luogo un'identità dinamica declinabile in base alle necessità. Il colore della luce può cambiare per adeguarsi alle variazioni cromatiche stagionali, per promuovere eventi, per valorizzare un'architettura, per rendere più attrattivo uno spazio urbano o semplicemente per offrire al progettista l'opportunità di scegliere una precisa gradazione cromatica o tonale della luce.



• Colour changing RGBW 3000K: la tecnologia RGB+W utilizza chip led di colore rosso, verde, blu e bianco (4 chip led in 1) per creare una vasta gamma di opzioni di colore. Il chip bianco caldo (3000K) può essere miscelato con gli altri tre colori per creare colori precisi e vibranti o una luce bianca più luminosa e pura.



• Tunable White 2200K-4000K: La tecnologia di illuminazione Tunable White consente di controllare la temperatura colore della luce bianca. Si può regolare la luce da un colore bianco freddo, che è un po' bluastrò (4000K), fino a un colore bianco caldo, che è più giallastro (2200K). I sistemi ottici Tunable White possono essere controllati tramite DALI.

# COLOUR CHANGING

The light that changes colour gives the space a dynamic identity that can be declined according to need. The colour of the light can change to adapt to seasonal chromatic variations, to promote events, to enhance an architecture, to make an urban space more attractive or simply to offer the designer the opportunity to choose a precise chromatic or tonal gradation of the light.



• Colour changing RGBW 3000K: RGB+W technology uses Red, Green, Blue and White LED chips (4 in 1 LED chips) to create a wide array of colours. The warm White chip (3000K) can be mixed with the other three colours to create more precise and vibrant colours or a brighter and more pure white light.



• Tunable White 2200K-4000K: Tunable white lighting technology means that you are able to control the white light's colour temperature. You can tune from a cool colour of white, which is a little bit bluish (4000K), down to a warm colour of white, which is more yellowish (2200K). Tunable White optical system can be controlled by DALI.

## Servizi al cliente

Consulenza e continua assistenza

Non offriamo solo sistemi di illuminazione ma consulenza e continua assistenza al cliente dai primi sopralluoghi all'avviamento dell'impianto. Forniamo strumenti digitali per il progetto e mettiamo a disposizione la nostra lunga esperienza e la conoscenza di tutti gli aspetti normativi inerenti l'illuminazione di ambienti esterni. Al nostro interno è presente una divisione specializzata in progettazione illuminotecnica che è in grado di supportare i clienti attraverso la definizione del lighting concept, la realizzazione dei calcoli illuminotecnici e l'elaborazione di tavole di posizionamento, foto-inserimenti e rendering.

## Customer services

Advice and continual support

We offer not only lighting systems, but advice and continual customer support from initial consultation to system start-up. We provide digital design tools and offer our long experience and knowledge of all regulatory aspects relating to outdoor lighting. We have a specialist lighting design division that can support customers throughout defining the lighting concept, making lighting calculations, processing positioning tables, photo-insertions and rendering.

## Certifications



### CTFS (CUSTOMERS' TESTING FACILITIES)

Riconoscimento rilasciato da IMQ al nostro laboratorio, che garantisce la conformità dei test e delle apparecchiature utilizzate alle norme europee ed internazionali vigenti.

### CTFS (CUSTOMERS' TESTING FACILITIES)

Award issued by IMQ to our laboratory, guaranteeing that the tests and equipment we use comply with current European and international standards.



### MARCATURA ENEC

Certifica che tutti i nostri prodotti osservino le norme di sicurezza vigenti in Europa, nonché la loro verifica periodica da parte di IMQ.

### ENEC MARK

Certifying that all of our products comply with current European safety standards and are verified periodically by IMQ.

## Ecovadis 2023



Un importante riconoscimento per il nostro impegno nella Responsabilità Sociale d'Impresa.

An important recognition for our commitment to Corporate Social Responsibility.

## Sistemi ottici

L'essenza delle nostre soluzioni va ricercata nei sistemi ottici. La tecnologia LED ci ha permesso di differenziare la nostra offerta consentendoci oggi di rendere disponibili selezioni cromatiche e distribuzioni fotometriche in grado di soddisfare le richieste di ogni architettura, spazio e percorso urbano.

## Optical systems

The essence of our solutions lies in the optics. LED technology has allowed us to supply something different. We make available colour selections and photometric distributions suitable for any urban route, architecture and space.

## Architetture e Giardini

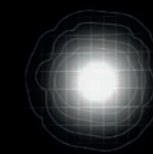
Le distribuzioni fotometriche per l'illuminazione di architetture e giardini si distinguono in ottiche:

- Spot fascio concentrante, medio, diffondente e ultra-diffondente;
- Elissoidali;
- Lama;
- Radenti 360° e 180°;
- Simmetriche, Asimmetriche, Rotosimmetriche;
- Wall washer.

## Architectures and Gardens

The photometric distribution for lighting architecture and gardens include the following optics:

- Narrow, medium, wide and ultra-wide beam spotlights;
- Ellipsoidai;
- Blade;
- 360° e 180° surface skimming lights;
- Symmetrical, Asymmetrical, Rotosymmetrical;
- Wall washer.



## Spazi e Percorsi urbani

Le distribuzioni fotometriche per l'illuminazione di spazi e percorsi urbani si distinguono in ottiche:

- Asimmetriche;
- Asimmetriche stradali;
- Simmetriche stradali;
- Rotosimmetriche;
- Diffondenti;
- Asimmetriche stradali per attraversamenti pedonali;
- Asimmetrica stradale per manto bagnato;
- Simmetrica stradale per centro strada;
- Front & Back.

L'ottica stradale Front & Back (brevettata) è in grado di generare un doppio solido fotometrico che assolve alla duplice funzione di illuminare da un lato la carreggiata e dal lato opposto una pista ciclabile o un'area pedonale.

## Urban Spaces and Walkways

The photometric distribution for lighting urban spaces and pathways include the following optics:

- Asymmetrical;
- Street asymmetrical;
- Street symmetrical;
- Roto-symmetrical;
- Diffusing;
- Asymmetrical street for pedestrian crossings;
- Asymmetrical street for wet surfaces;
- Asymmetrical street for road centres;
- Front & Back.

The Front & Back optic (patented) can generate a double photometric solid that is able to light on one side the road and on the opposite side a cycle path or pedestrian area.

## Sport e Grandi Aree

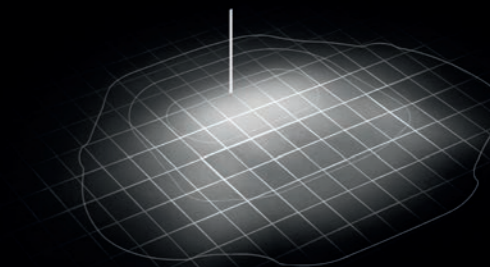
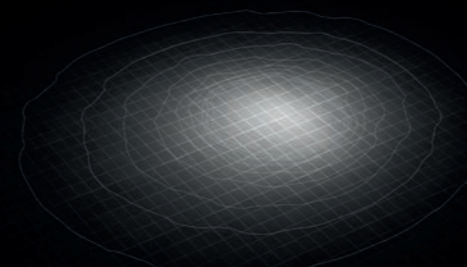
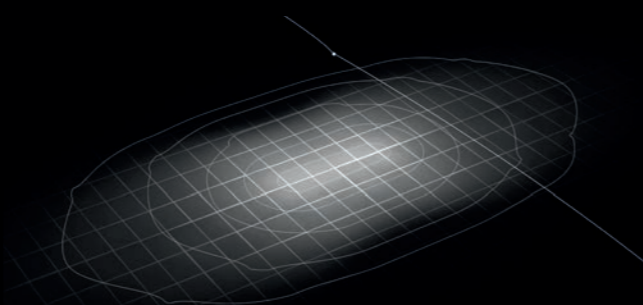
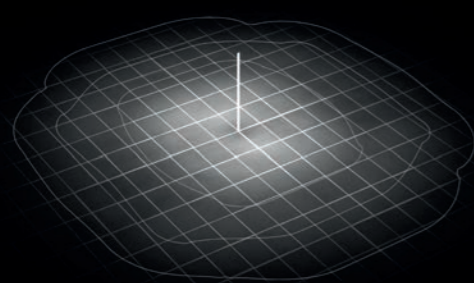
Le distribuzioni fotometriche per l'illuminazione di spazi sportivi e grandi aree si distinguono in ottiche:

- Asimmetriche;
- Asimmetriche stradali;
- Asimmetriche con retroilluminazione.

## Sport and Large Areas

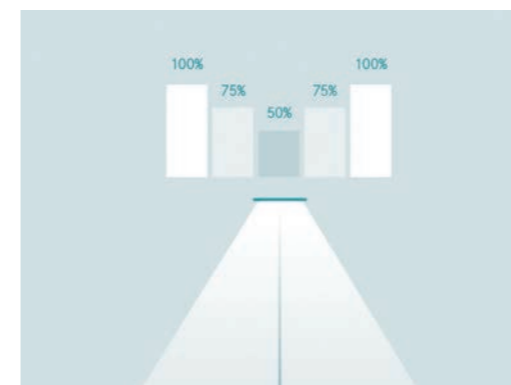
The photometric distribution for lighting of sport spaces and large areas include the following optics:

- Asymmetrical;
- Street asymmetrical;
- Asymmetrical with backlight.



## illuminazione intelligente

### Smart lighting



### STAND ALONE: regolazione di flusso in Mezzanotte Virtuale

È una tecnica di riduzione del flusso luminoso stand-alone, completamente integrata in ogni singolo prodotto e che non richiede nuovi cablaggi o dispositivi esterni.

#### Autoapprendimento mezzanotte virtuale programmabile custom

Disponibili versioni programmabili custom su richiesta del cliente; mediante un algoritmo di mezzanotte virtuale è possibile eseguire una precisa riduzione percentuale del flusso luminoso dell'apparecchio e della potenza elettrica assorbita dall'apparecchio.

### STAND ALONE: Virtual Midnight flow adjustment

This stand-alone light flow reduction system is built into every individual product and it does not require new wiring or external devices.

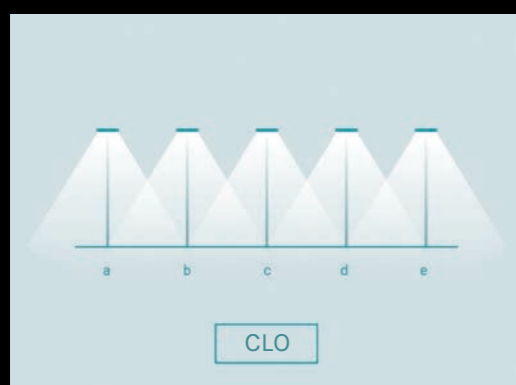
#### Custom programmable virtual midnight self-learning

Custom programmable versions are available at the customer's request. Using a virtual midnight algorithm, a precise reduction can be made in the luminaire's luminous flux percentage and its electrical power input.



#### ZHAGA - BOOK 18

I prodotti possono essere forniti con presa 4 pin (Zhaga Book 18) un'interfaccia intelligente tra apparecchi di illuminazione e sistemi di rilevamento e di comunicazione. Gli apparecchi di illuminazione equipaggiati di nodi di telecontrollo, creano una rete di comunicazione di tipo Wireless Sensor Network (WSN). Le informazioni transitano dagli apparecchi verso i gateway attraverso la rete, fino ad arrivare alla piattaforma software centrale. Al contrario, differenti scenari di Smart Lighting possono essere inviati dal software di controllo ai gateway, quindi ai nodi presso i punti luce.



#### Constant Lumen Output (CLO)

I prodotti sono inoltre predisposti per il sistema di autoregolazione CLO (Constant Lumen Output). Il compito del CLO è quello di compensare il naturale decadimento del flusso luminoso dei LED. Attraverso un innalzamento di corrente graduale, precedentemente programmato, il flusso luminoso si mantiene nel tempo e comunque non diventa mai inferiore al valore limite preimpostato.

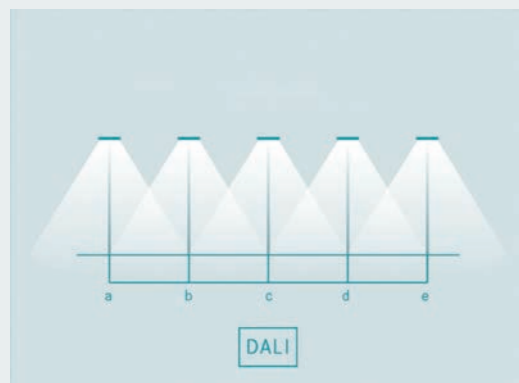
#### ZHAGA - BOOK 18

Our products can be supplied with a 4-pin socket (Zhaga Book 18), a smart interface between light fittings and measurement and communication systems. Light fixtures equipped with remote control nodes create a Wireless Sensor Network (WSN) type of communication. The information transits through the network to the gateways and then on to the central software platform. Conversely, the software can send different Smart Lighting scenes to control the gateways, and therefore the nodes at the light points.

#### Constant Lumen Output (CLO)

Our products are also CLO self-regulation system ready (Constant Lumen Output). The aim of CLO is to compensate the natural deterioration of the LED luminous flux. By pre-programming a gradual increase in current, the luminous flux is maintained over time and, in any case, never drops lower than the preset limit.





### DALI

È un controllo di tipo digitale, dove ad ogni apparecchio viene assegnato un indirizzo univoco, che permette il controllo del singolo punto luce e la creazione di gruppi di controllo.

### Onde convogliate (PLC)

Tramite la comunicazione a onde convogliate, quindi senza cavi aggiuntivi nell'impianto, è possibile comunicare con ogni singolo punto luce. Il sistema consente di monitorare da remoto ogni singolo apparecchio e di modificarne i profili di consumo.

### Sensori

I prodotti con predisposizione ZHAGA sono compatibili con sensori luminosi che regolano l'emissione di luce in uscita sulla base della quantità di luce già presente nell'ambiente e con sensori di movimento che consentono di rilevare il passaggio di persone o veicoli e di regolare il flusso emesso per garantire i giusti livelli di sicurezza. I sensori devono essere montati esternamente al prodotto.

### Wireless

Il sistema di telegestione wireless è in grado di gestire gli apparecchi da remoto in modo semplice e senza vincoli dovuti all'impianto preesistente. La tecnologia wireless consente di monitorare ogni singolo apparecchio e di modificarne i profili di consumo. Il sistema di telegestione wireless, oltre a contenere i consumi e le spese di gestione, predispone l'infrastruttura utile ad ospitare altri sistemi o servizi per il territorio compatibili con i più innovativi progetti di smart lighting.

### DALI

This is a digital type control system where every device is assigned a unique address that allows the individual light points to be controlled and the control units to be created.

### Power-line communication (PLC)

Using PLC communications, i.e. with no extra system wiring, it is possible to communicate with each individual light point. The system allows each individual luminaire to be monitored remotely and consumption profiles to be modified.

### Sensors

Our products with arrangement for ZHAGA are compatible with light sensors that adjust the light emission output based on the quantity of light already in the space and with sensors that allow the luminaire's luminous flux to be regulated and the correct safety levels maintained according to whether a person or a vehicle is passing. Sensors must be mounted outside the product.

### Wireless

The wireless remote management system can remote control luminaires simply and without limits thanks to the existing system. Wireless technology allows each individual luminaire to be monitored remotely and consumption profiles to be modified. The wireless remote management system, as well reducing consumption and management costs, includes the infrastructure to host other systems or services for the territory, compatible with the latest smart lighting projects.





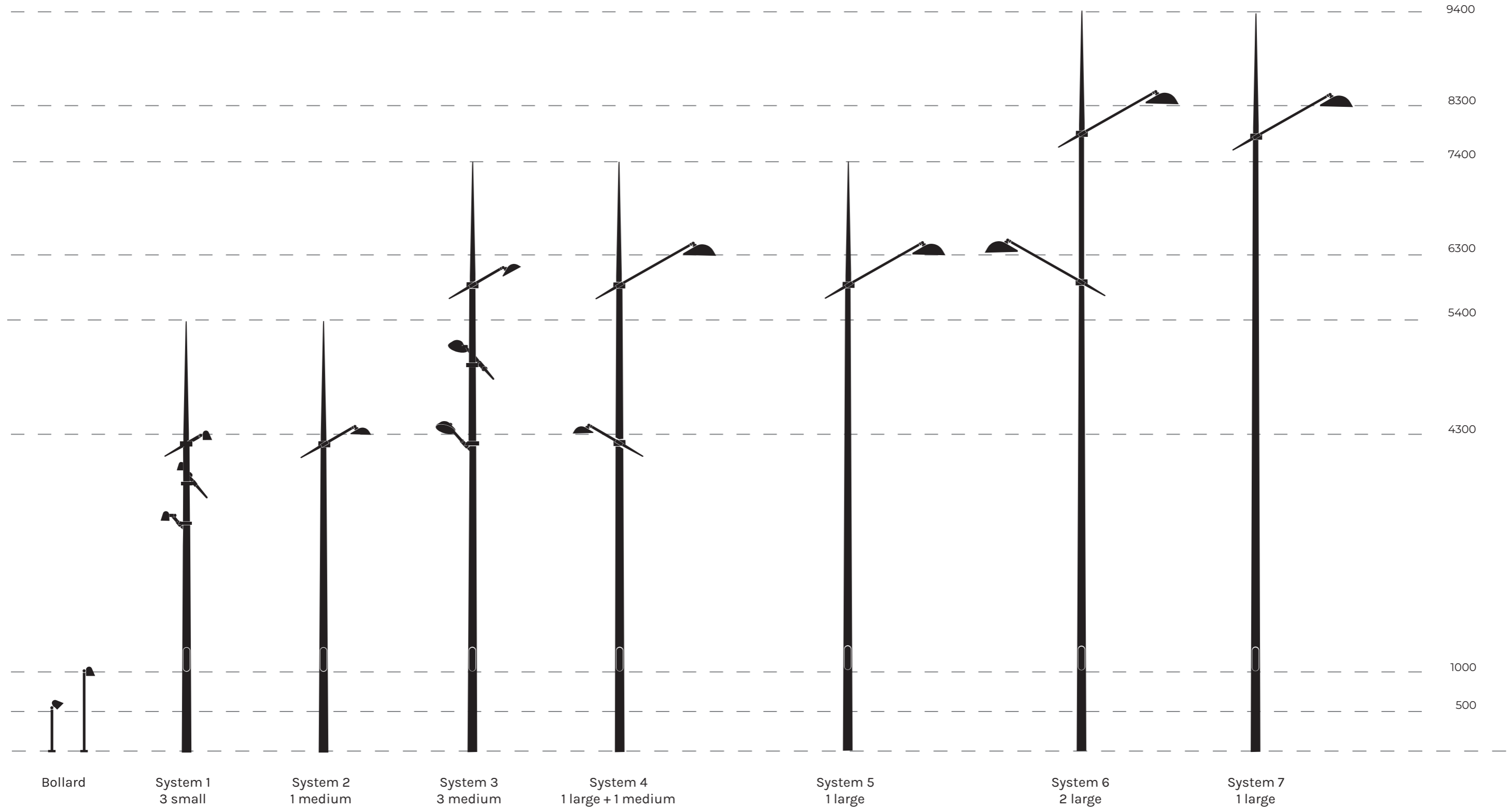
# SPOON

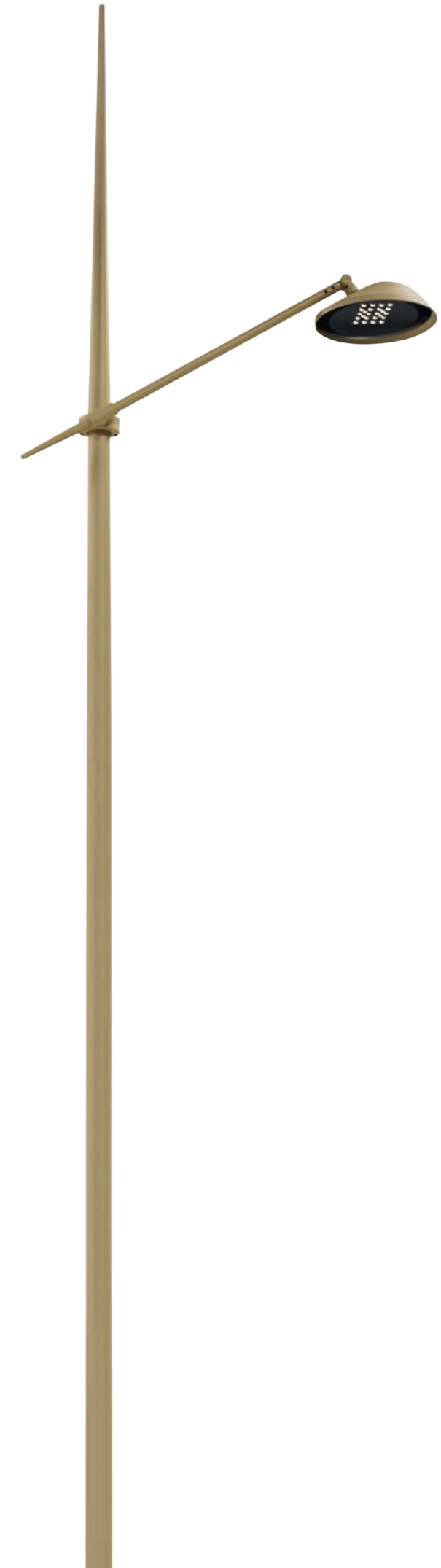
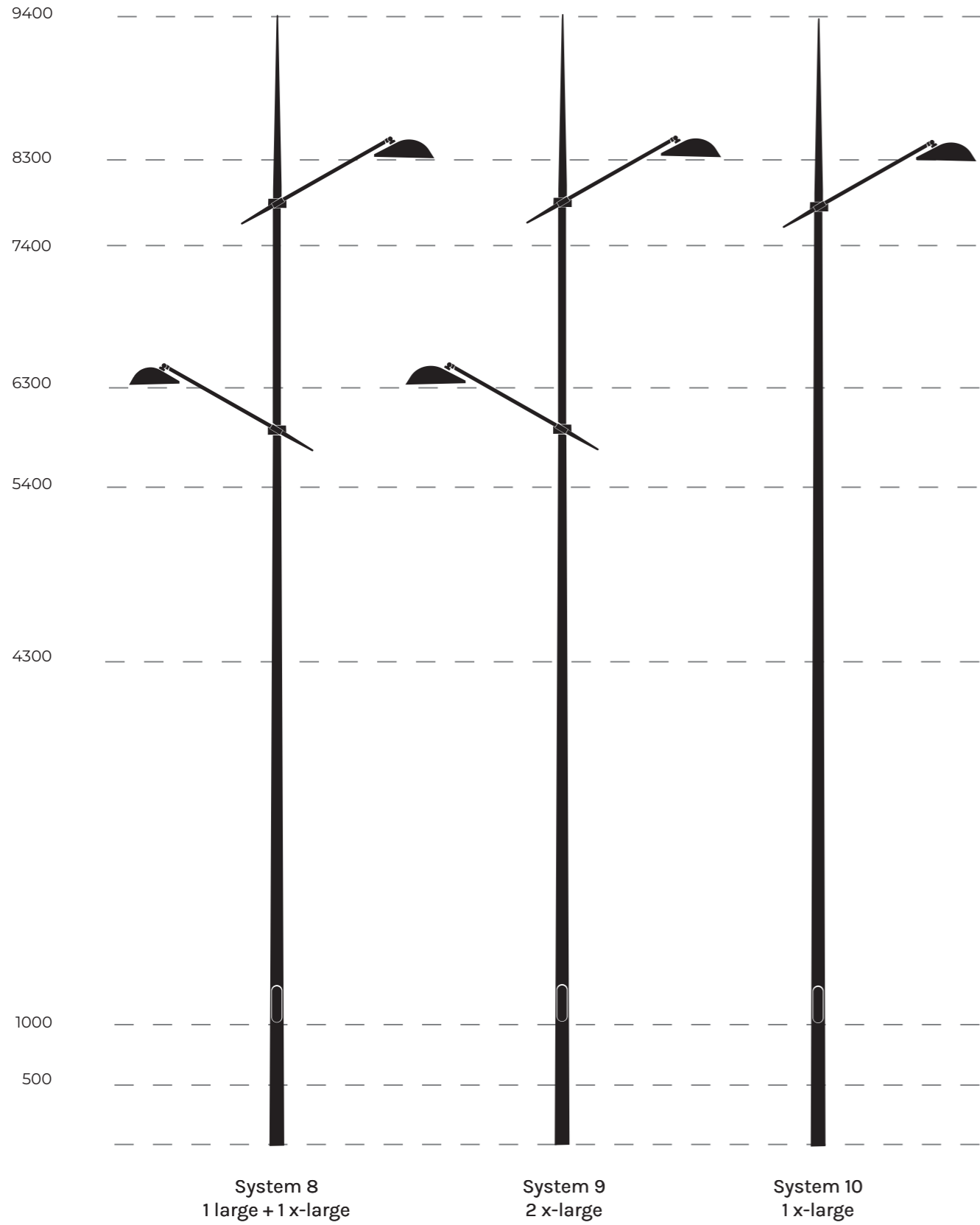
SPOON è un nuovo sistema per l'illuminazione urbana, declinabile a diverse scale e coerente ai mutevoli scenari urbani contemporanei. Design by Alfonso Femia/AF\*Design.

SPOON is a new urban lighting system that can be adapted to different scales and is consistent with the changing contemporary urban scenarios. Design by Alfonso Femia/AF\*Design.









220-240V 24V (RGBW / TW)	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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## DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
770 - 17385 lm

**Potenza apparecchio** / Fitting power:  
8 - 144 W

**Indice di resa cromatica** / Colour Rendering Index:  
≥ 80, SDCM ≤ 3 (medium, large, x-large)  
≥ 90, SDCM ≤ 3 (small)

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale, DALI. Su richiesta ZHAGA UP (large, x-large) / virtual midnight, DALI. On request ZHAGA UP (large, x-large)

## MATERIALI / MATERIALS

**Corpo, sistemi di fissaggio e puntali** / Body, fitting systems and rods:  
pressofusione di lega d'alluminio UNI EN AB 47100 (contenuto rame < 1%) / die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lente in tecnopolimero ad alta trasparenza (small), lenti in PMMA ad alta trasparenza (medium, large, x-large) / highly transparent technopolymer lens (small), PMMA high transparent lenses (medium, large, x-large)

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere realizzata in 16 fasi per la miglior resistenza agli agenti atmosferici / phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

### TEMPERATURA COLORE COLOUR TEMPERATURE



### ECO-CENTRIC LIGHTING (ECL)

(ONLY FOR STREET OPTICS, LARGE AND X-LARGE VERSIONS)

#### BLUE FREE LIGHT:

PC-AMBER 0,7%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) — CRI 40  
1800 K 4,3%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) — CRI 70

#### SWITCHABLE WHITE LIGHT:

1800K / 3000K

### COLORI / COLOURS



## CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:

6 kg (bollard); 4.5 kg (small); 7 kg (medium); 9 kg (large);  
10 kg (x-large)

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Precablaggio** / Pre-wiring:  
**prodotto precablato con cavo e connettore** / pre-wired product with cable and connector

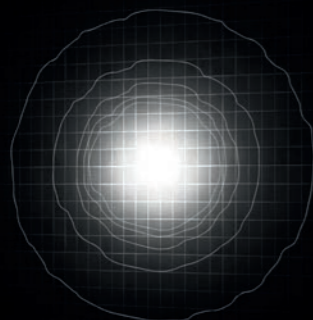
**Resistenza sovratensioni** / Surge Protection Device:  
10kV MC/MD (medium, large, x-large)

**Installazione** / Installation:  
terra, palo, parete, sottoportico  
ground, pole, wall, arcade

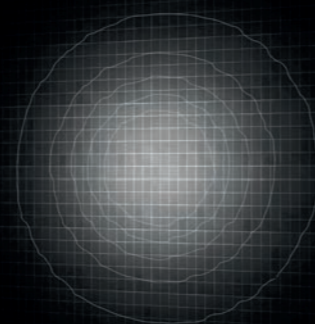


OTTICHE / OPTICS

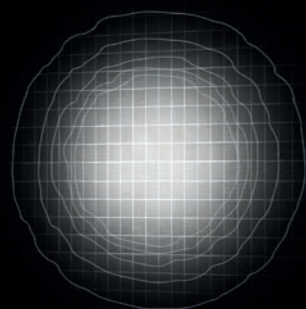
C 10° Narrow Beam



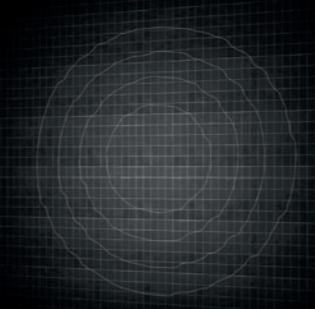
D 45° Wide Beam



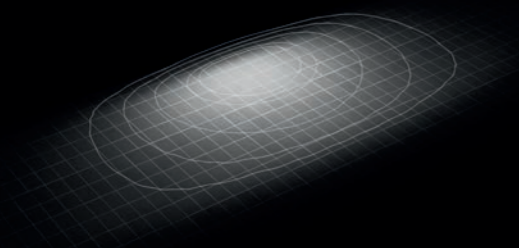
M 25° Medium Beam



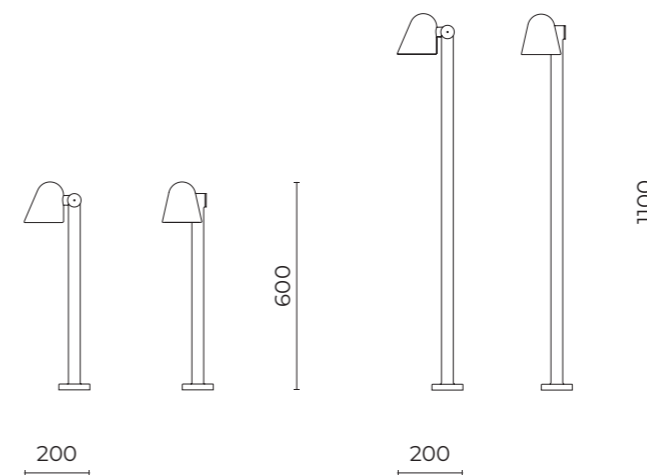
U-D 90° Diffused Beam



AS-D Asymmetric Diffused Beam



Spoon  
Bollard



BOLLARD  
1000



BOLLARD  
500



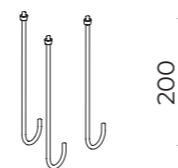
DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
terra / ground

**Inclinazione / Inclination:**  
0° ÷ 180°, rotazione ±30°  
0° ÷ 180°, rotation ±30°

ACCESSORI / ACCESSORIES

**06PY999X0**  
**Kit tirafondi**  
Anchoring bolts kit 30



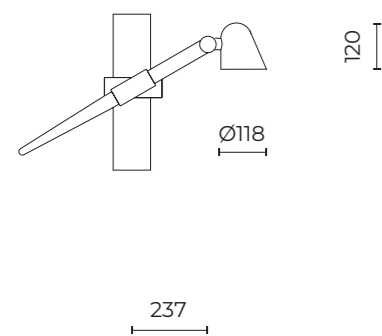
# Spoon System

## DATI TECNICI / TECHNICAL DATA

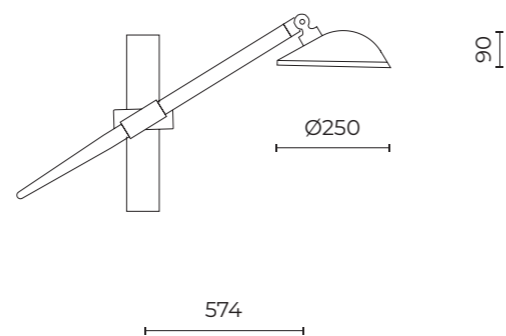
**Installazione / Installation:**  
palo conico con puntale / conical pole with rod

**Inclinazione / Inclination:**  
+120° ÷ -60° (small)  
0° ÷ +90° (medium, large, x-large)

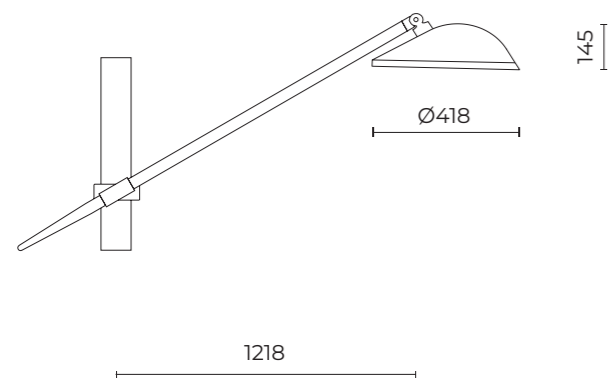
### SMALL



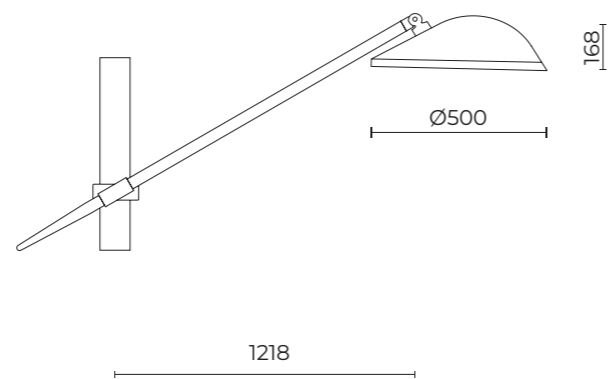
### MEDIUM



### LARGE



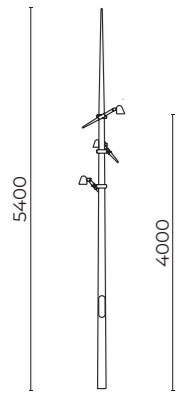
### XLARGE



CONFIGURAZIONI / CONFIGURATIONS:

**Spoon System 1**

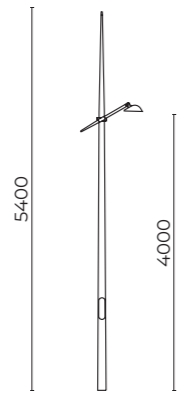
Palo con puntale h. tot. 5400 mm,  
3 Spoon Small  
Pole with rod h. tot. 5400 mm,  
3 Spoon Small



329

**Spoon System 2**

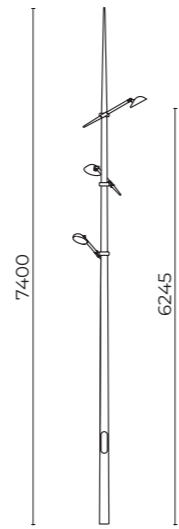
Palo con puntale h. tot. 5400 mm,  
1 Spoon Medium  
Pole with rod h. tot. 5400 mm,  
1 Spoon Medium



574

**Spoon System 3**

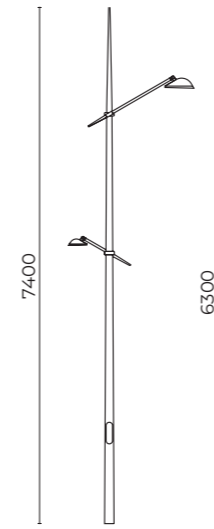
Palo con puntale h. tot. 7400 mm,  
3 Spoon Medium  
Pole with rod h. tot. 7400 mm,  
3 Spoon Medium



574

**Spoon System 4**

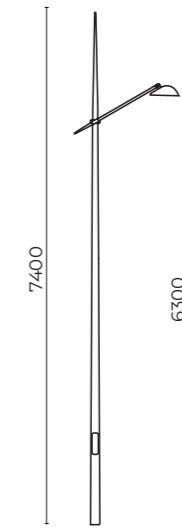
Palo con puntale h. tot. 7400 mm,  
1 Spoon Medium, 1 Spoon Large  
Pole with rod h. tot. 7400 mm,  
1 Spoon Medium, 1 Spoon Large



574 1218

**Spoon System 5**

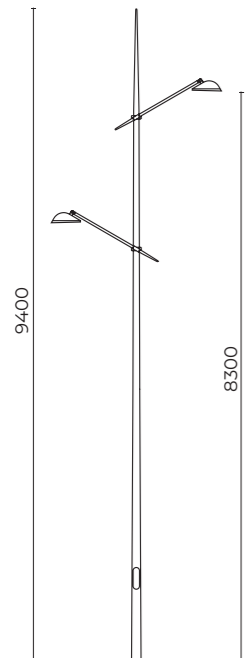
Palo con puntale h. tot. 7400 mm,  
1 Spoon Large  
Pole with rod h. tot. 7400 mm,  
1 Spoon Large



1218

**Spoon System 6**

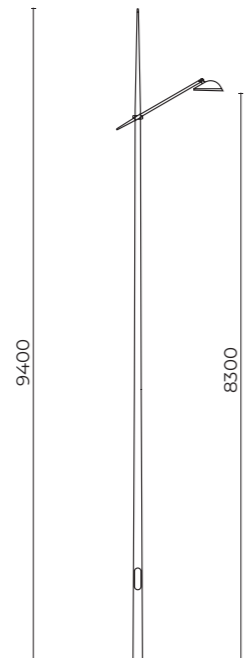
Palo con puntale h. tot. 9400 mm,  
2 Spoon Large  
Pole with rod h. tot. 9400 mm,  
2 Spoon Large



574 1218

**Spoon System 7**

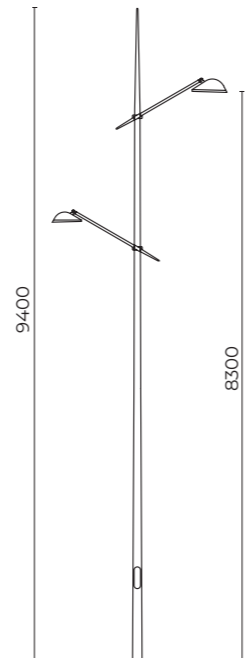
Palo con puntale h. tot. 9400 mm,  
1 Spoon Large  
Pole with rod h. tot. 9400 mm,  
1 Spoon Large



1218

**Spoon System 8**

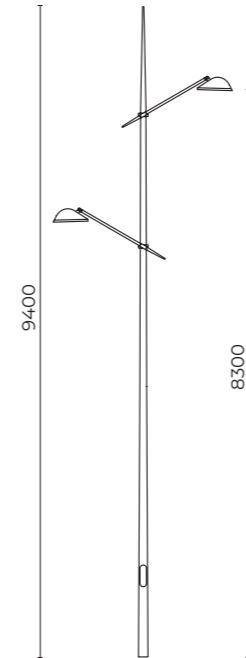
Palo con puntale h. tot. 9400 mm,  
1 Spoon Large, 1 Spoon X-Large  
Pole with rod h. tot. 9400 mm,  
1 Spoon Large, 1 Spoon X-Large



574 1218

**Spoon System 9**

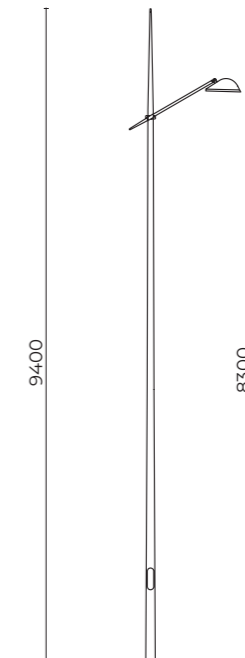
Palo con puntale h. tot. 9400 mm,  
2 Spoon X-Large  
Pole with rod h. tot. 9400 mm,  
2 Spoon X-Large



574 1218

**Spoon System 10**

Palo con puntale h. tot. 9400 mm,  
1 Spoon X-Large  
Pole with rod h. tot. 9400 mm,  
1 Spoon X-Large



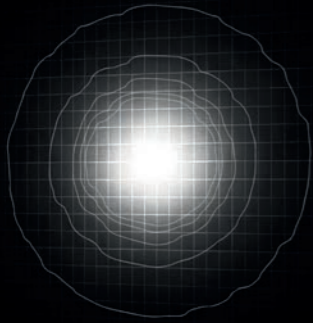
1218



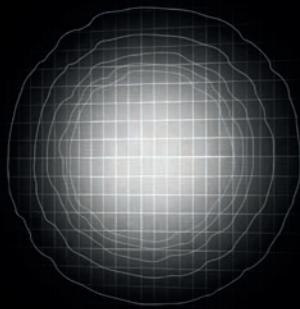
Spoon

OTTICHE / OPTICS

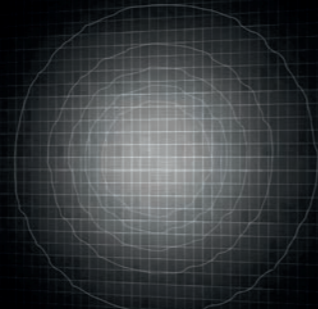
C 10° Narrow Beam



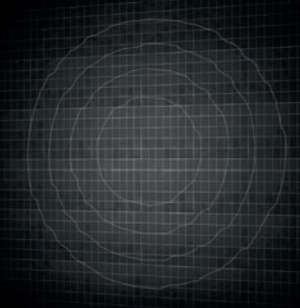
M 25° Medium Beam



D 45° Wide Beam



U-D 90° Diffused Beam



SPOON SMALL

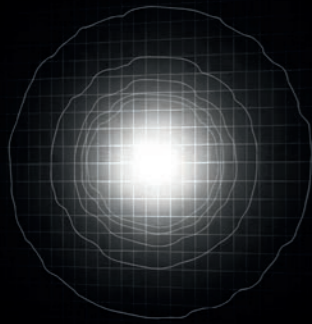
Spoon System



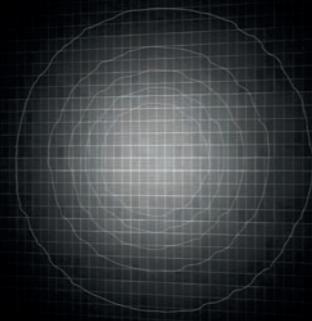
OTTICHE / OPTICS

SPOON MEDIUM / LARGE / X-LARGE

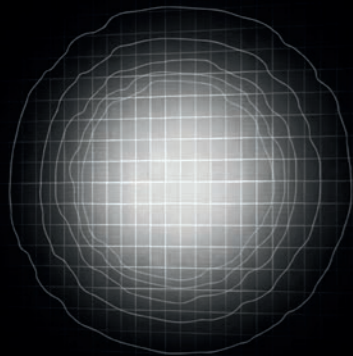
C 11° Narrow Beam



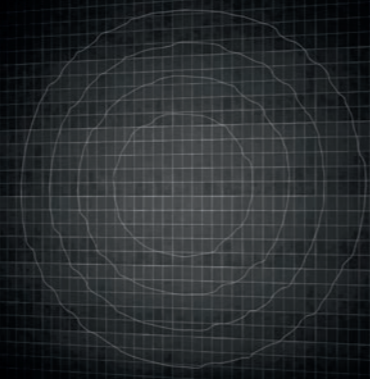
D 40° Wide Beam



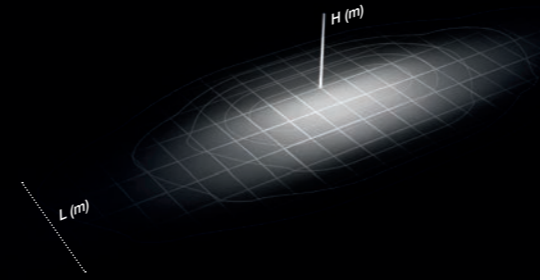
M 25° Medium Beam



U-D 90° Diffused Beam

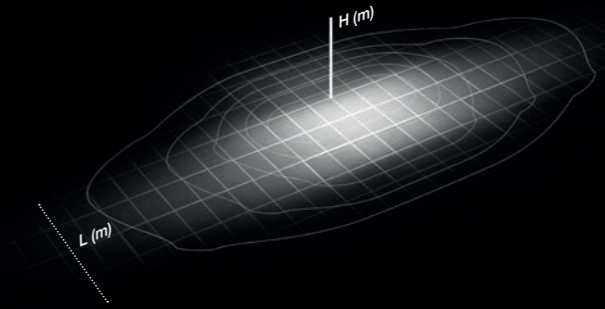


LT-C1 Cycle Path  
L / H = 0,5



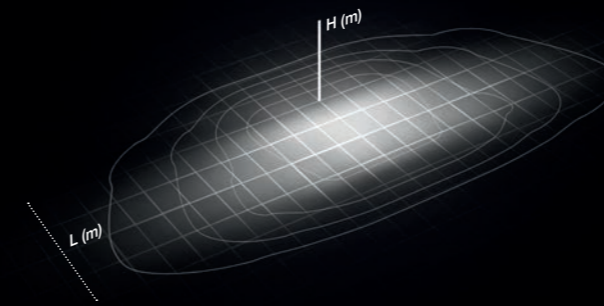
ST-02 Narrow Street  
L / H = 0,75

ECL



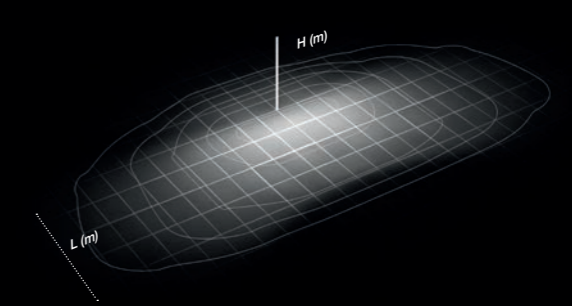
ME-06 Medium Street with sidewalk  
L / H = 1

ECL

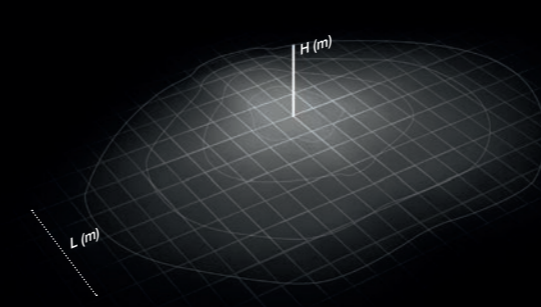


LA-03 Wide Street  
L / H = 1,25

ECL

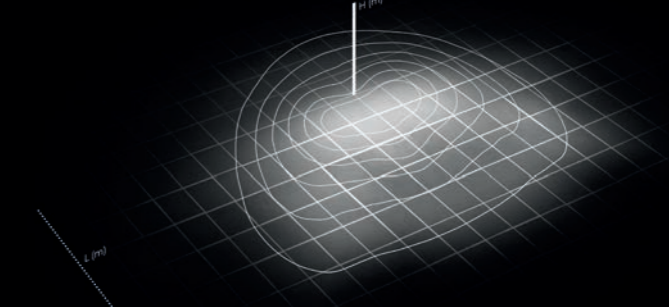


PB-01 Low Pole  
L / H = 2



LT-64 Asymmetric Beam with backlight  
L / H = 2

ECL

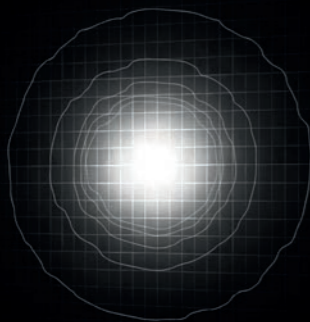


# Spoon

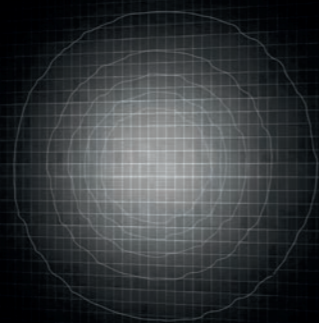
## OTTICHE / OPTICS

\* only for Spoon Wall

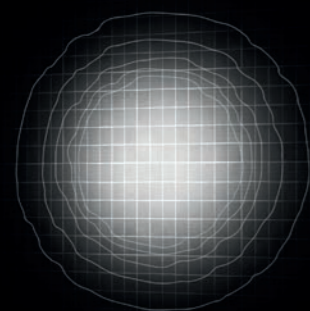
C 10° Narrow Beam \*



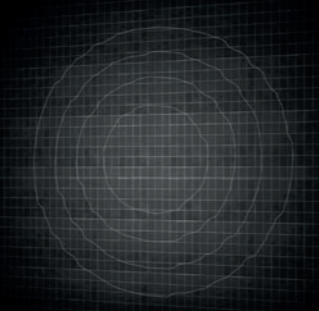
D 45° Wide Beam \*



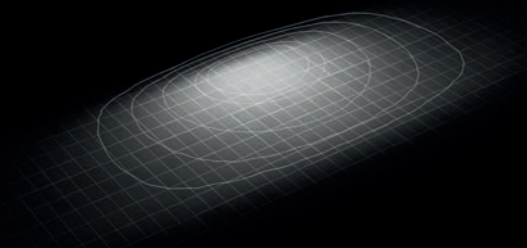
M 25° Medium Beam \*



U-D 90° Diffused Beam \*



AS-D Asymmetric Diffused Beam

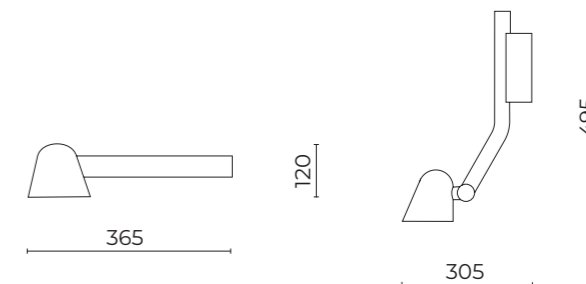


## Spoon Wall, Overdoor

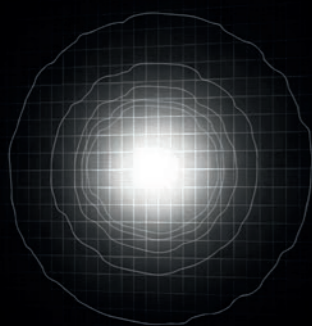
### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
parete, sopraporta / wall, overdoor

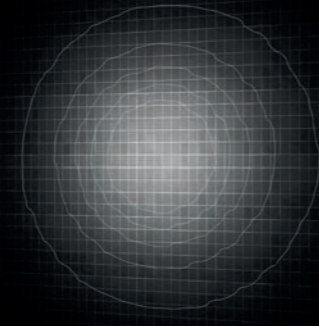
**Inclinazione / Inclination:**  
-120° + 30° (Spoon Wall)  
0° + 90° (Spoon Overdoor)



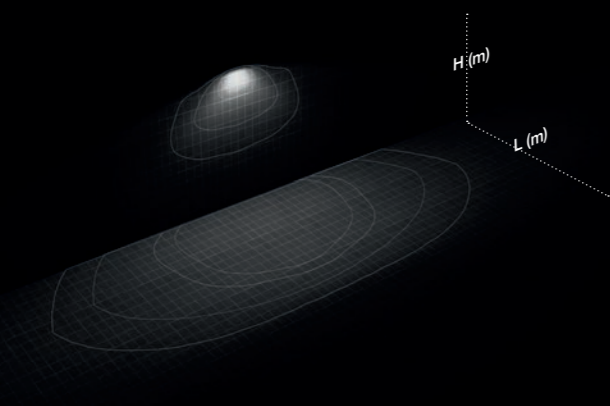
C 11° Narrow Beam



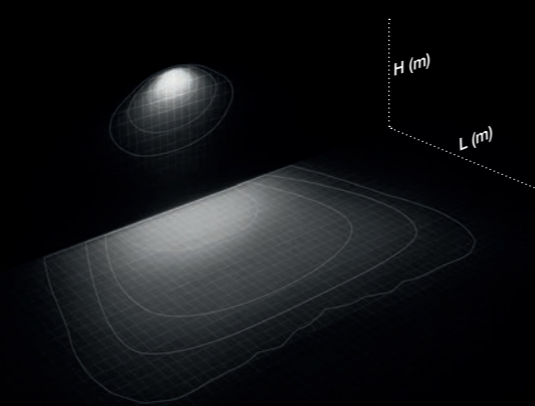
D 40° Wide Beam



ST-02 Narrow Street  
L / H = 0,75



LT-63 Assymetric Beam  
L / H = 2



**Spoon**  
Wall

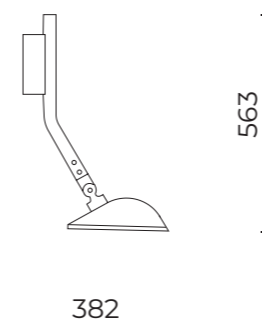
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
parete / wall

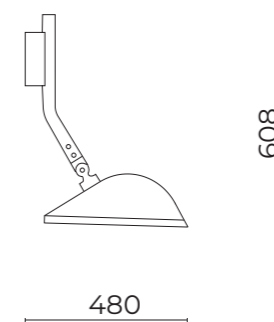
**Inclinazione / Inclination:**  
0° ÷ 90°



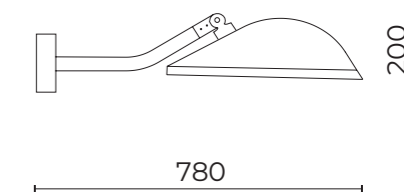
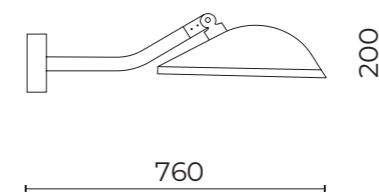
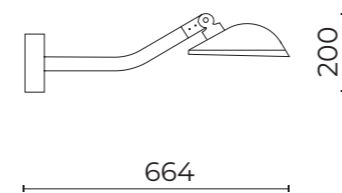
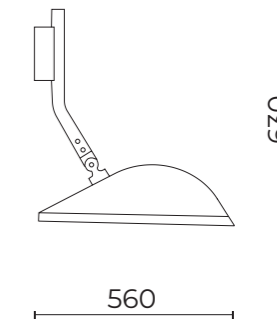
MEDIUM



LARGE



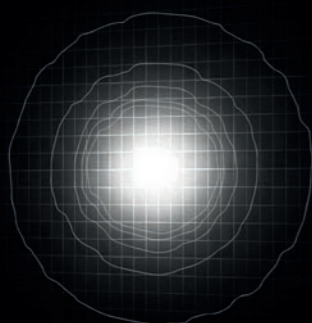
X-LARGE



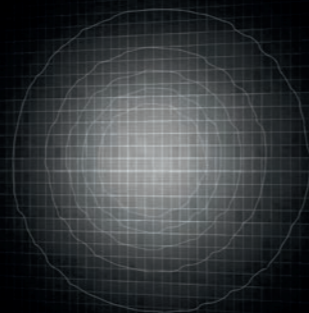
# Spoon

## OTTICHE / OPTICS

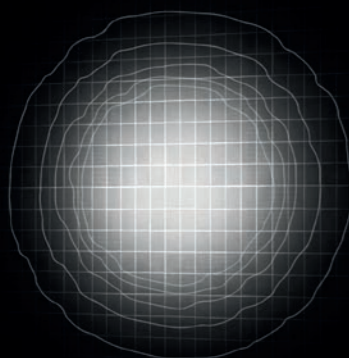
C 11° Narrow Beam



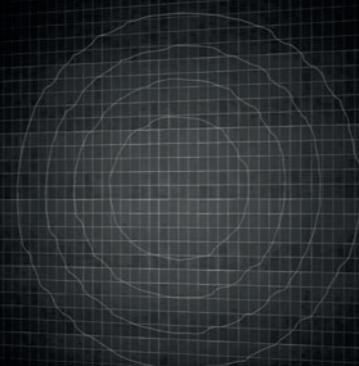
D 40° Wide Beam



M 25° Medium Beam



U-D 90° Diffused Beam



## Spoon Ceiling

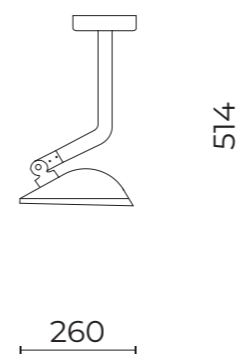
### DATI TECNICI / TECHNICAL DATA

**Installazione** / Installation:  
soffitto / ceiling

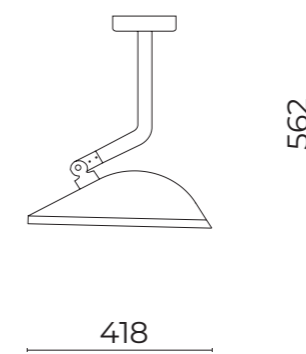
**Inclinazione** / Inclination:  
0° ÷ 90°



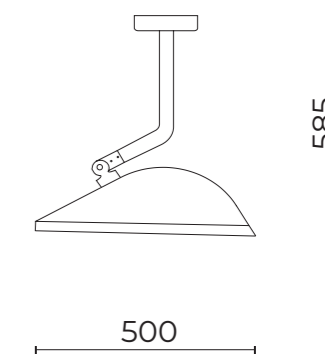
MEDIUM



LARGE



X-LARGE



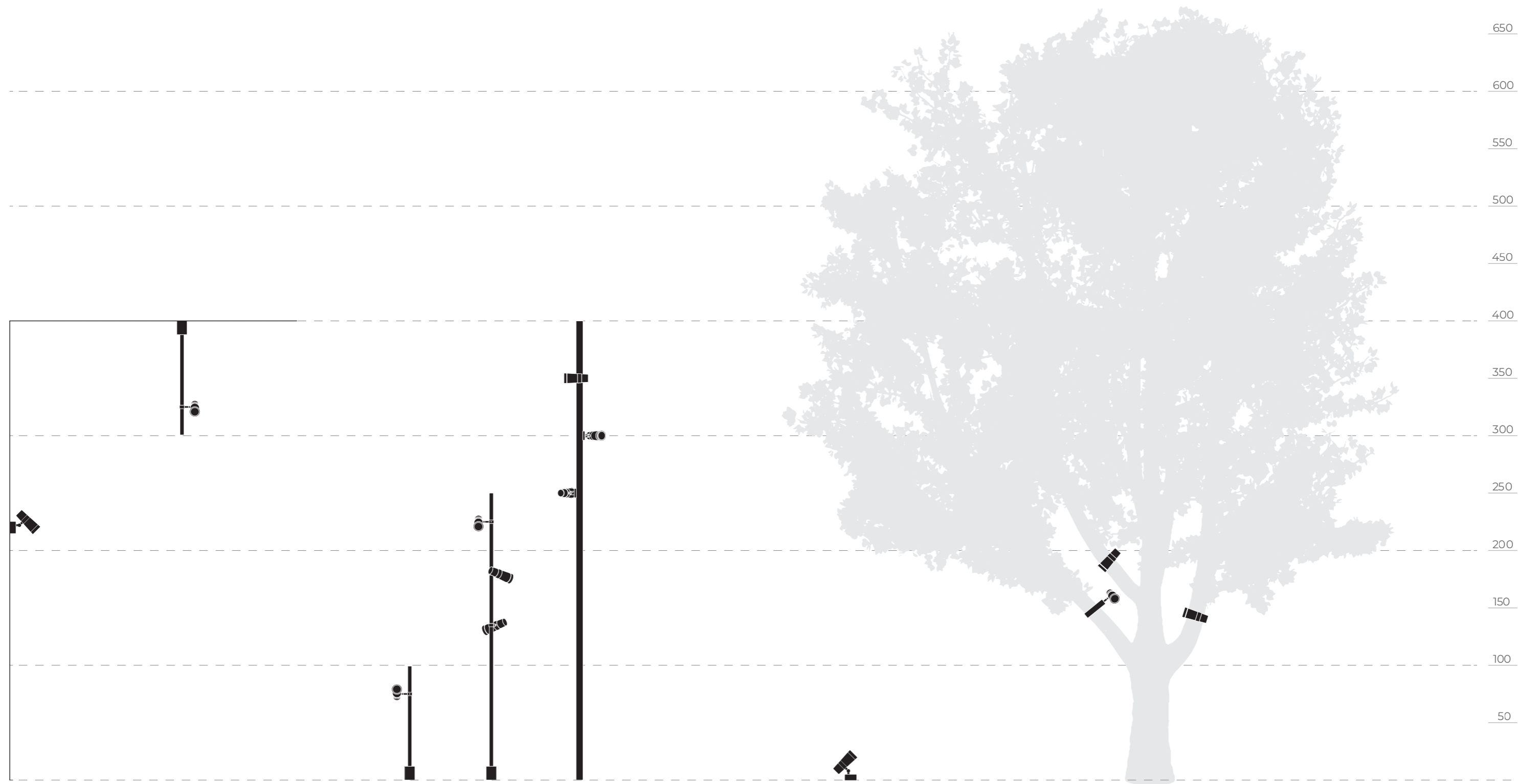
# KONO ZOOM

KONO ZOOM è un proiettore che si distingue per una sofisticata tecnologia ottica e una raffinata ricerca estetica. È ideale per l'illuminazione d'accento e diffusa di spazi esterni d'interesse artistico e architettonico.

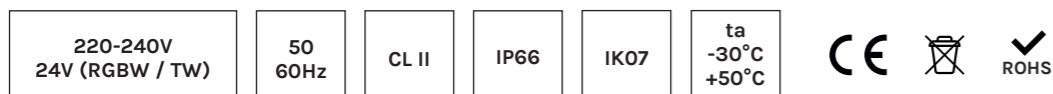
KONO ZOOM is a floodlight characterised by sophisticated optical technology and refined aesthetic research. It is ideal for accent and diffused lighting of outdoor spaces of artistic and architectural interest.











#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
72 - 474 lm

**Potenza apparecchio / Fitting power:**  
10W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 90, SMCD ≤ 2 (2700 K)  
CRI ≥ 80, SMCD ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  2700 K
-  3000 K
-  4000 K
-  RGB+W 3000 K
-  TUNABLE WHITE 2200 K + 4000 K

#### MATERIALI / MATERIALS


**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato  
tempered flat glass

**Gruppo ottico / Optical unit:**  
lente in vetro stampato  
moulded glass lens

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

-  SABLE' 100 NOIR (\*) / CHAMPAGNE (\*\*)

\* **Corpo e sistema di fissaggio / Body and fitting system**

\*\* **Snodo e anello / Joint and ring**

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
1.6 kg (Flood/Pole), 4.7 kg (Bollard H 1000 mm),  
9.2 kg (Bollard H 2500 mm)

**Alimentazione elettronica / Electronic power supply:**  
inclusa (versione Flood ON-OFF, DALI), esclusa (versione  
Flood RGBW, TW e versioni Ceiling/Bollard/Pole ON-OFF,  
DALI, RGBW, TW)  
internal (Flood version ON-OFF, DALI), external (Flood  
version RGBW, TW and Ceiling/Bollard/Pole versions ON-  
OFF, DALI, RGBW, TW)

**Precablaggio / pre-wiring:**  
versioni con sostegni fornite con cavo e connettore  
versions with rod supplied with cable and connector

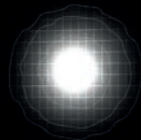
**Installazione / Installation:**  
parete, soffitto, terra / wall, ceiling, ground



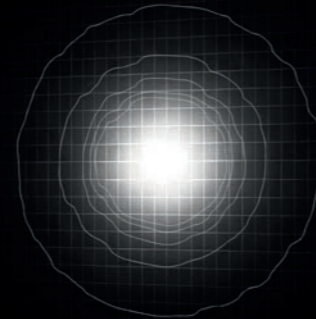
OTTICHE / OPTICS

Round zoom

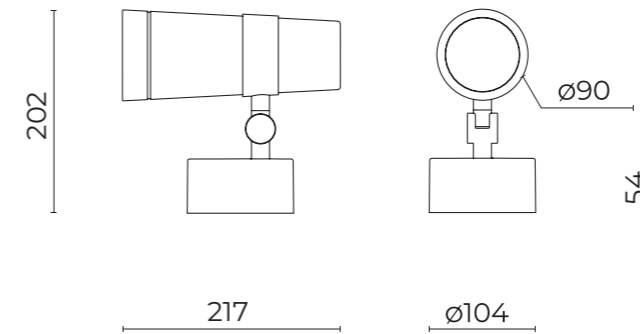
Min. 10°



Max. 45°



**Kono zoom**  
Flood



**DATI TECNICI / TECHNICAL DATA**

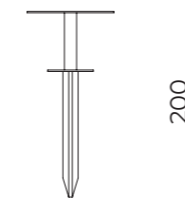
**Installazione / Installation:**  
parete, terra / wall, ground

**Inclinazione / Inclination:**  
-60° ÷ +90°; rotazione + 359°  
-60° ÷ +90°; rotation + 359°

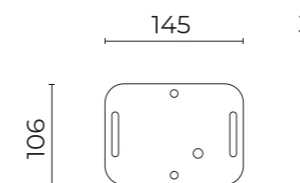
**Ottiche Zoom / Zoom optics:**  
possibilità di regolazione del fascio luminoso dall'esterno, ruotando la ghiera posteriore, con il prodotto installato e acceso per l'ottimizzazione del puntamento / the light beam can be adjusted from outside, by turning the rear ring, while product is installed and switched on for pointing optimisation.

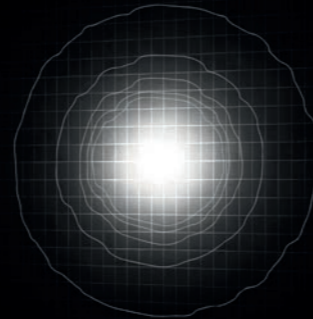
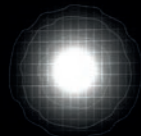
**ACCESSORI / ACCESSORIES**

**060M901CO**  
**B135 - Picchetto per interrimento**  
Picket for ground installation

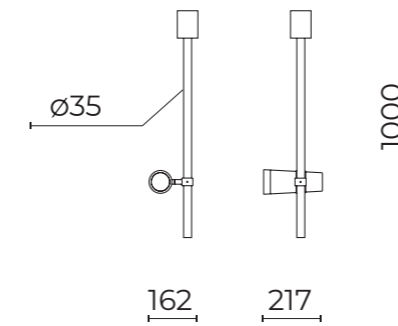


**06KN901CO**  
**B233 Cinghia di ancoraggio per alberi**  
Ø150-600 mm / Tree lashing strap  
Ø150-600 mm





## Kono zoom Ceiling



### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
parete, soffitto / wall, ceiling

**Inclinazione / Inclination:**  
+/- 359°; rotazione +/- 15°  
+/- 359°; rotation +/- 15°

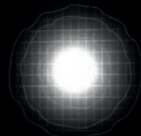
**Ottiche Zoom / Zoom optics:**  
possibilità di regolazione del fascio luminoso dall'esterno, ruotando la ghiera posteriore, con il prodotto installato e acceso per l'ottimizzazione del puntamento / the light beam can be adjusted from outside, by turning the rear ring, while product is installed and switched on for pointing optimisation.



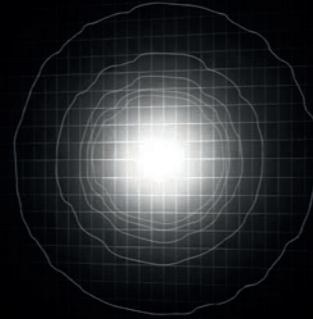
OTTICHE / OPTICS

Round zoom

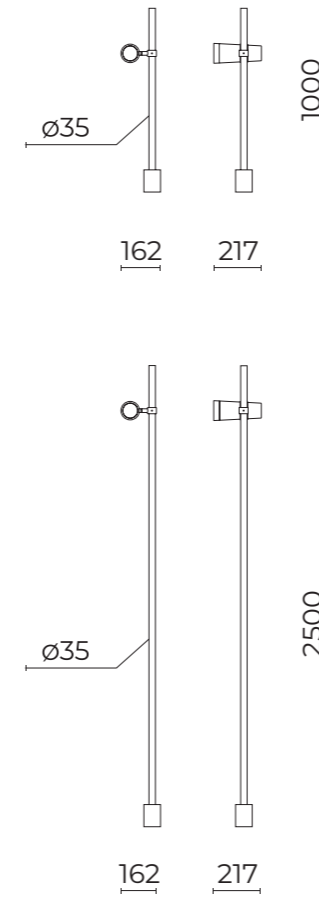
Min. 10°



Max. 45°



**Kono zoom**  
Bollard



**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
terra / ground

**Inclinazione / Inclination:**  
+/- 359°; rotazione +/- 15°  
+/- 359°; rotation +/- 15°

**Ottiche Zoom / Zoom optics:**  
possibilità di regolazione del fascio luminoso dall'esterno, ruotando la ghiera posteriore, con il prodotto installato e acceso per l'ottimizzazione del puntamento / the light beam can be adjusted from outside, by turning the rear ring, while product is installed and switched on for pointing optimisation.

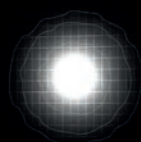


## Kono zoom

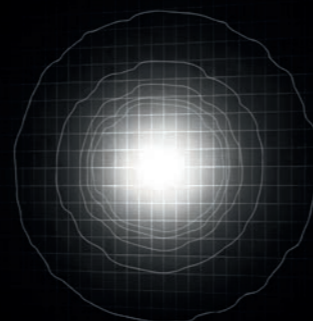
### OTTICHE / OPTICS

Round zoom

Min. 10°

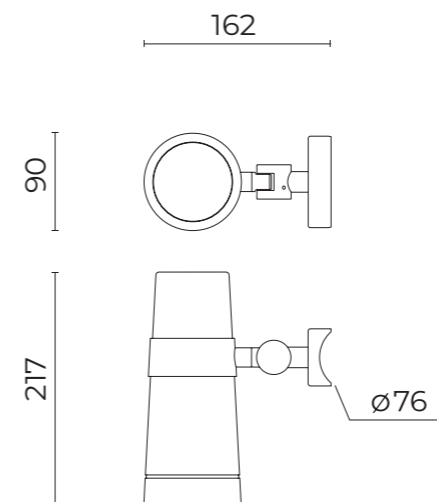


Max. 45°



## Kono zoom

Pole



### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
terra / ground

**Inclinazione / Inclination:**  
-60° ÷ +90°; rotazione + 359°  
-60° ÷ +90°; rotation + 359°

### ACCESSORI / ACCESSORIES

**06KN905CO**

**Palo H = 4000 mm Ø 76 mm per installazione di  
max N. 3 Kono / Pole H = 4000 mm Ø 76 mm for  
the installation of maximum N. 3 Kono**



# BAMBOO & BAMBOO MINI

Paletti con distribuzione luminosa radente,  
simmetrica o asimmetrica, ideale per  
l'illuminazione di aree verdi e camminamenti.

Small poles with symmetrical or asymmetrical  
grazing light distribution, ideal for lighting  
green areas and paths.





220 240V	50 60Hz	CL II	IP66 *	IP65 **	IK10 *	IK09 **	ta -30°C +50°C	CE		ROHS
-------------	------------	-------	--------	---------	--------	---------	----------------------	----	--	------

\* Bamboo  
\*\* Bamboo mini

**DATI PRESTAZIONALI / PERFORMANCE DATA**

**Flusso apparecchio / Fitting flux:**  
425 - 1000 lm

**Potenza apparecchio / Fitting power:**  
7,6 - 12 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI

**TEMPERATURA COLORE / COLOUR TEMPERATURE**

- 2700 K
- 3000 K
- 4000 K

**MATERIALI / MATERIALS**

**Corpo, collimatore e flangia di base**  
Body, collimator and fixing base:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI  
EN AB 47100 (copper content < 1%)

**Fusto / Steam pole:**  
alluminio estruso  
extruded aluminium alloy

**Gruppo ottico / Optical unit:**  
policarbonato opale diffondente  
wide opal polycarbonate

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di  
poliestere realizzata in 16 fasi per la miglior resistenza  
agli agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

**COLORI / COLOURS**

- SABLÉ 100 NOIR
- RAL9006

**CARATTERISTICHE / FEATURES**

**Peso massimo / Max weight:**  
Bamboo:  
1,6 kg (grazer), 3 kg (H 400 mm), 4,6 kg (H 900 mm)  
Bamboo mini:  
0,8 kg (grazer), 1,6 kg (H 375 mm), 2,5 kg (H 895 mm)

**Alimentazione elettronica / Electronic power supply:**  
inclusa, esclusa solo nella versione Bamboo mini Grazer  
- Wall DALI / internal, external only in Bamboo mini Grazer -  
Wall DALI version

**Precablaggio / pre-wiring:**  
versione bollard fornita con cavo e connettore;  
predisposizione entra-esci  
bollard version is supplied with cable and connector;  
in and out setup

**Installazione / Installation:**  
terra, parete / ground, wall

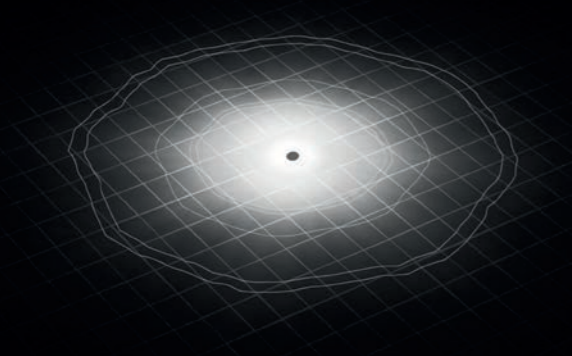
**Fissaggio / Fixing system:**  
con tirafondi (fornibili) o tasselli / with metal anchors  
(available) or plugs



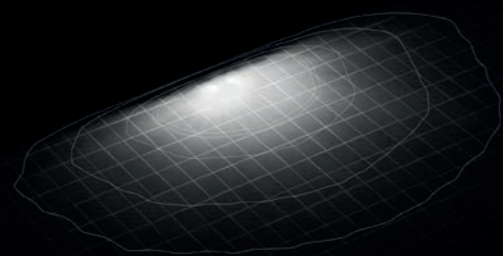


OTTICHE / OPTICS

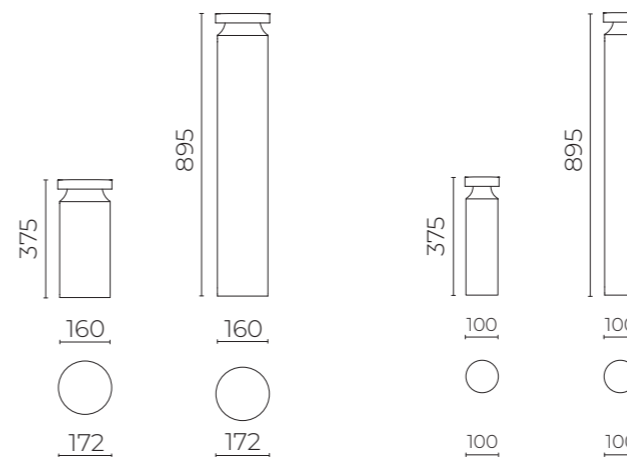
RS-D 360° Rotosymmetric Diffused Beam



AD 180° Asymmetric Diffused Beam (only Bamboo)

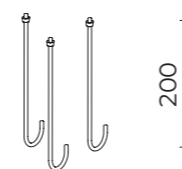


Bamboo & Bamboo mini  
Bollard



ACCESSORI / ACCESSORIES

**06PY999X0**  
**Kit tirafondi**  
Anchoring bolts kit 30

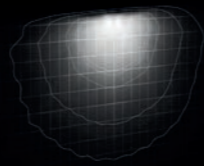
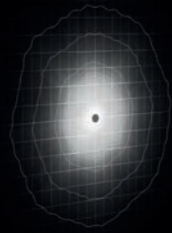


OTTICHE / OPTICS

PARETE / WALL

RS-D 360° Rotosymmetric Diffused Beam

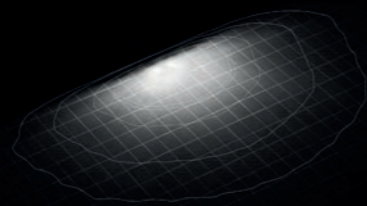
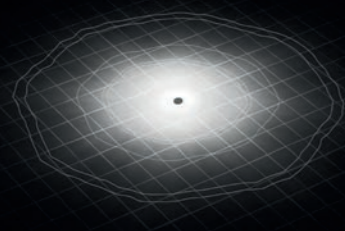
AD 180° Asymmetric Diffused Beam (only Bamboo)



GRAZER

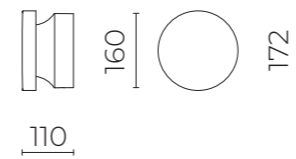
RS-D 360° Rotosymmetric Diffused Beam

AD 180° Asymmetric Diffused Beam (only Bamboo)

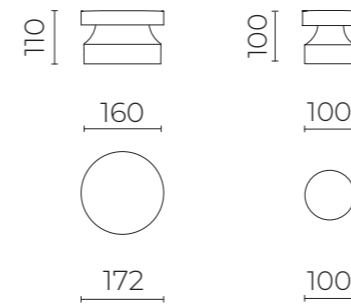


Bamboo & Bamboo mini

Wall

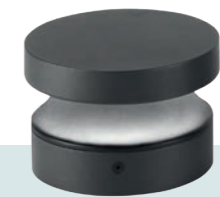
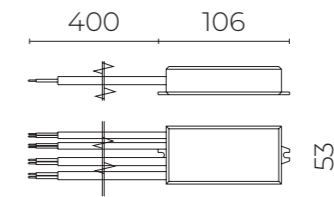


Grazer



ACCESSORI / ACCESSORIES

**06BM902X0**  
Kit driver DALI per Bamboo mini / Kit  
DALI driver for Bamboo mini



# IOTA

Paletti con distribuzione luminosa simmetrica o asimmetrica, ideale per l'illuminazione aree verdi e camminamenti.

Bollard with symmetrical or asymmetrical light distribution, ideal for lighting green areas and paths.





#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
425 - 1000 lm

**Potenza apparecchio / Fitting power:**  
9,5 - 12 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI

#### MATERIALI / MATERIALS

##### Corpo, collimatore e flangia di base




Body, collimator and fixing base:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI  
EN AB 47100 (copper content < 1%)

**Fusto / Steam pole:**  
alluminio estruso  
extruded aluminium alloy

**Gruppo ottico / Optical unit:**  
policarbonato opale diffondente  
wide opal polycarbonate

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di  
poliestere realizzata in 16 fasi per la miglior resistenza  
agli agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  2700 K
-  3000 K
-  4000 K

#### COLORI / COLOURS

-  SABLÉ 100 NOIR
-  RAL9006

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
3,5 kg (375 mm), 6 kg (895 mm)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Precablaggio / Pre-wiring:**  
versione bollard fornita con cavo e connettore;  
predisposizione entra-esci  
bollard version is supplied with cable and connector;  
in and out setup

**Installazione / Installation:**  
terra / ground

**Fissaggio / Fixing system:**  
con tirafondi (fornibili) o tasselli / with metal anchors  
(available) or plug

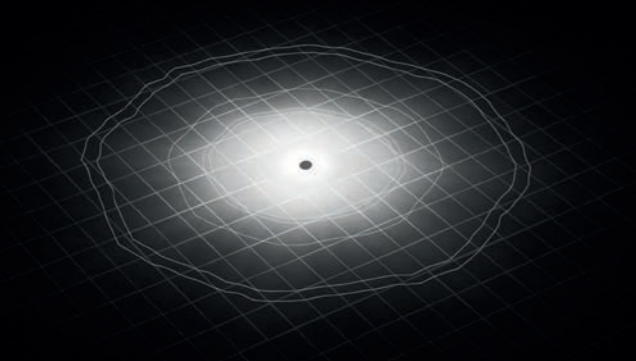
BOLLARD  
895

BOLLARD  
375

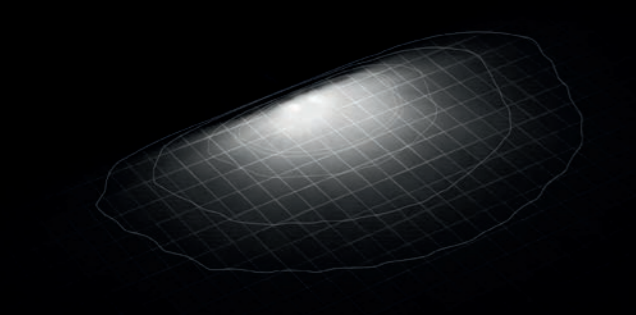


OTTICHE / OPTICS

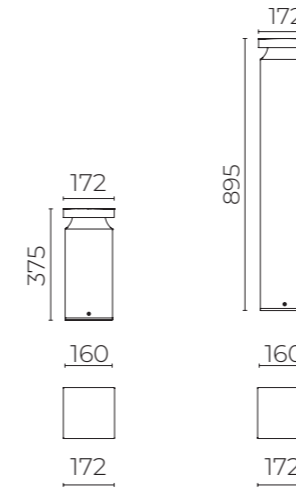
RS-D 360° Rotosymmetric Diffused Beam



AD 180° Asymmetric Diffused Beam

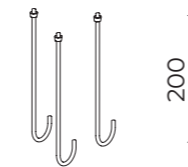


Iota  
Bollard



ACCESSORI / ACCESSORIES

**06PY999X0**  
**Kit tirafondi**  
Anchoring bolts kit



# LIT XS

Applique monoemissione e bollard dalla forma compatta ed essenziale, ideale per l'illuminazione di portici, passaggi pedonali, aree esterne agli edifici e aree verdi, sia in contesti pubblici che privati.

Wall-mounted mono-emission product and bollard with a compact, clean shape, ideal for lighting arcades, pedestrian pathways, areas outside offices and green areas.





220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
500 - 550 lm (applique), 460 - 500 lm (bollard)

**Potenza apparecchio** / Fitting power:  
10,5 W (applique), 8 W (bollard)

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI su richiesta / DALI on request

#### MATERIALI / MATERIALS

**Corpo** / Body:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy UNI EN  
AB 47100 (copper content < 1%)

**Palo** / Pole:  
alluminio estruso  
extruded aluminium

**Schermo** / Screen:  
vetro comfort / glass comfort

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza (bollard)  
high-transparency PMMA lenses (bollard)

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
2 kg (applique), 4 kg (bollard H 500),  
6 kg (bollard H 1000)

**Alimentazione elettronica** / Electronic power supply:  
versione ON-OFF inclusa, versione DALI esclusa  
ON-OFF version included, DALI version external

**Precablaggio** / Pre-wiring:  
versione bollard fornita con cavo e connettore  
bollard version is supplied with cable and connector

**Installazione** / Installation:  
parete, terra / wall, ground



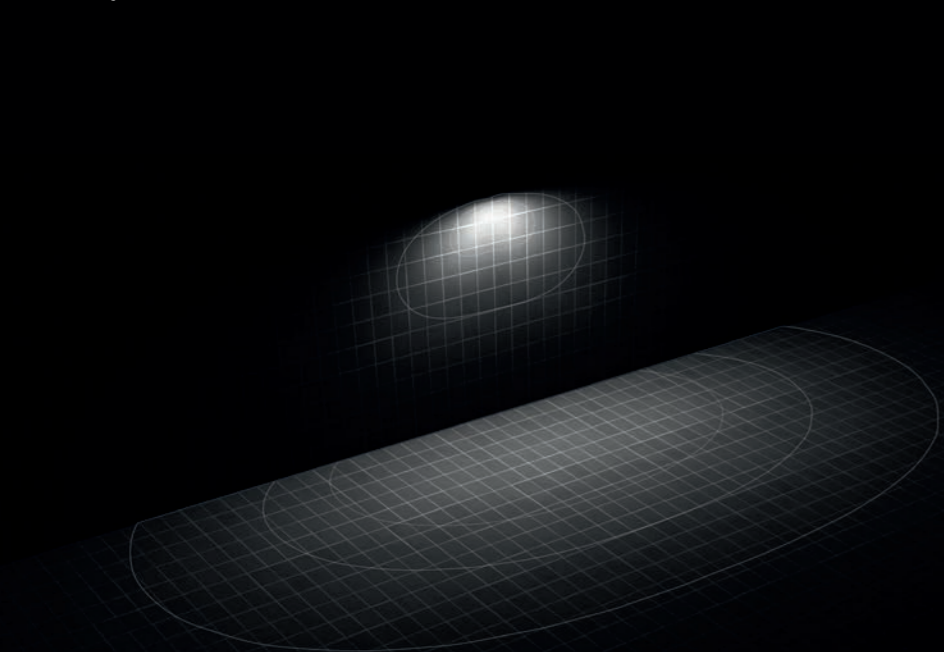
WALL

BOLLARD  
1000BOLLARD  
500

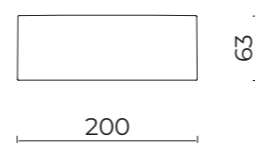
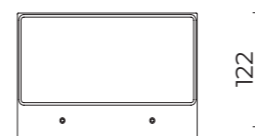


OTTICHE / OPTICS

AS-D Asymmetric Diffused Beam

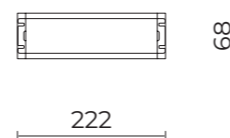


Lit xs  
Wall

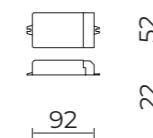


ACCESSORI / ACCESSORIES

**06LL914AB0**  
Driver elettronico DALI 150W 24V IP67  
DALI electronic driver 150W 24V IP67

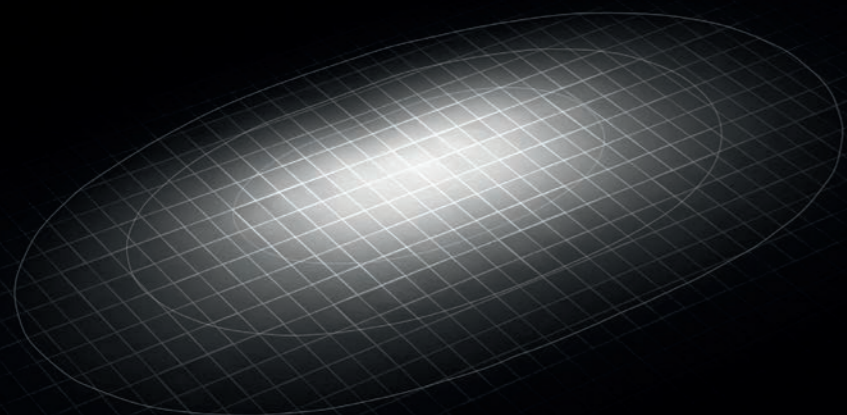


**06LX900X0**  
D1 - Driver DALI 20W 24V IP20  
DALI driver 20W 24V IP20

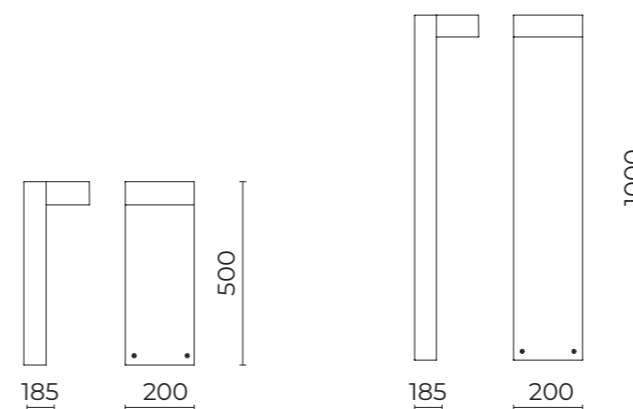


OTTICHE / OPTICS

AS-D Asymmetric Diffused Beam

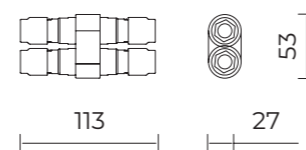


Lit xs  
Bollard

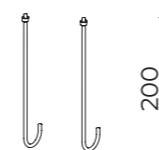


ACCESSORI / ACCESSORIES

**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
4-way connector IP68



**06LT931J0**  
**Kit tirafondi**  
Kit metal anchors



# APLOS

APLOS è un floor-washer per camminamenti, scale e rampe caratterizzato da un design minimale che nulla aggiunge all'essenza della sua funzione.

APLOS is a floor-washer for walkways, stairs and ramps, featuring a minimal design that does nothing to alter the essence of its function.







#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
250 - 290 lm

**Potenza apparecchio / Fitting power:**  
7,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI su richiesta / DALI on request

#### MATERIALI / MATERIALS

**Corpo e cover / Body and cover:**  
pressofusione di lega d'alluminio UNI EN AB 47100 (contenuto rame < 1%), palo in alluminio estruso die-cast aluminum alloy UNI EN AB 47100 (copper content < 1%), extruded aluminium pole

**Collimatore ottico / Optical collimator:**  
nylon PA66

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere realizzata in 16 fasi per la miglior resistenza agli agenti atmosferici / phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
1 kg (incasso parete), 4 kg (bollard)  
1 kg (wall recessed), 4 kg (bollard)




**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Precablaggio / Pre-wiring:**  
versione bollard fornita con cavo e connettore. Versione incasso parete con ingresso cavo posteriore e precablaggio con cavo uscente; predisposizione entra-esce / bollard version is supplied with cable and connector. Wall-recessed version with rear cable entry and pre-wired with outgoing cable; in and out setup

**Installazione / Installation:**  
parete, terra / wall, ground

**Fissaggio / Fixing system:**  
versione bollard con tirafondi / bollard version with metal anchors

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  2700 K
-  3000 K
-  4000 K



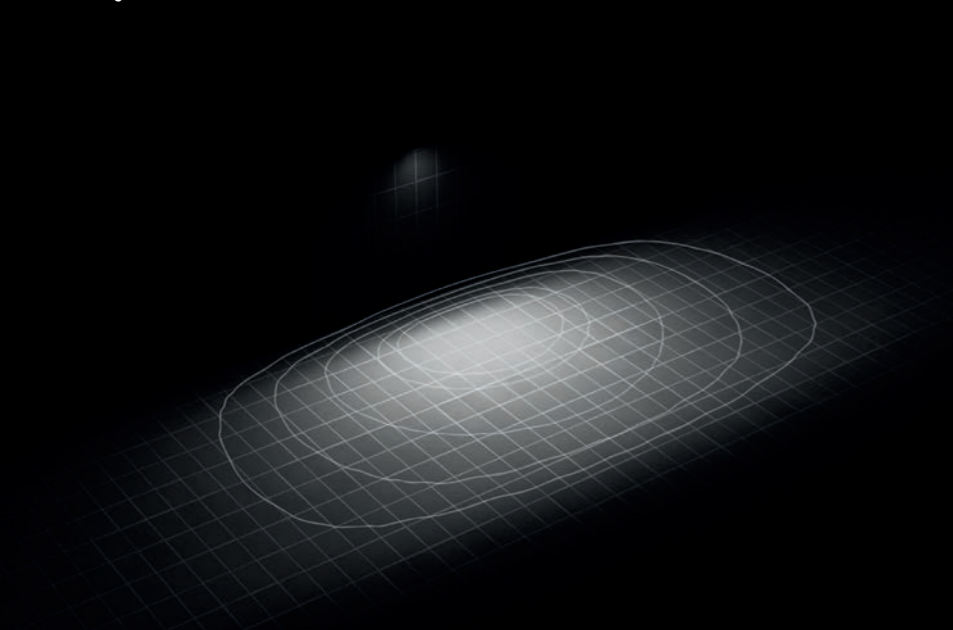
**INCASSO PARETE**  
WALL RECESSED



**BOLLARD**

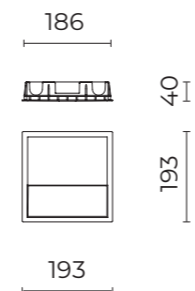
OTTICHE / OPTICS

AS-D Asymmetric Diffused Beam







Aplos

Incasso parete / Wall recessed



COLORI / COLOURS

-  SABLÉ 100 NOIR
-  RAL9006
-  CORTEN
-  RAL9003

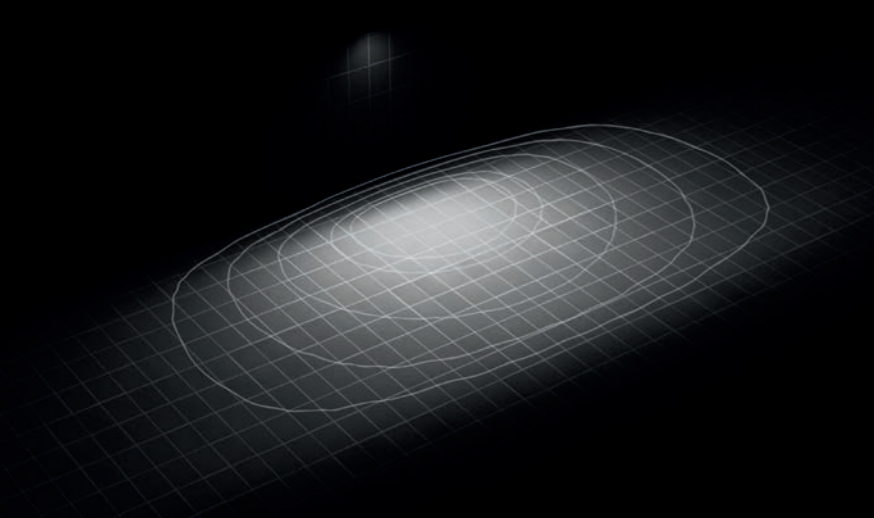
ACCESSORI / ACCESSORIES

**06AP902X0**  
**M2 - Connettore IP68 3P CL I**  
 Connector IP68 3P CL I



OTTICHE / OPTICS

AS-D Asymmetric Diffused Beam



### Aplos Bollard



#### COLORI / COLOURS

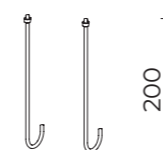
- SABLÉ 100 NOIR
- RAL9006
- CORTEN

#### ACCESSORI / ACCESSORIES

**06AP902X0**  
**M2 - Connettore IP68 3P CL I**  
Connector IP68 3P CL I



**06LT931J0**  
**B168 - Kit tirafondi**  
Kit metal anchors







# FIN

FIN è un floor-washer per camminamenti, scale e rampe, caratterizzato da un design minimale che nulla aggiunge all'essenza della sua funzione.

FIN is a floor-washer for walkways, stairs and ramps, featuring a minimal design that does nothing to alter the essence of its function.



220 240V	50 60Hz	CL I	IP65	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1215 - 1300 lm

**Potenza apparecchio / Fitting power:**  
16 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
4,7 kg (incasso parete), 12 kg (bollard)  
4,7 kg (wall recessed), 12 kg (bollard)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Precablaggio / Pre-wiring:**  
versione bollard fornita con cavo e connettore  
bollard version is supplied with cable and connector

**Installazione / Installation:**  
incasso parete, terra / wall recessed, ground

#### MATERIALI / MATERIALS

**Corpo / Body:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%), palo in alluminio estruso  
die-cast aluminum alloy UNI EN AB 47100 (copper  
content < 1%), extruded aluminium pole

**Schermo / Screen:**  
vetro piano sabbiato / sandblasted flat glass

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 3000 K
- 4000 K



**INCASSO PARETE**  
WALL RECESSED



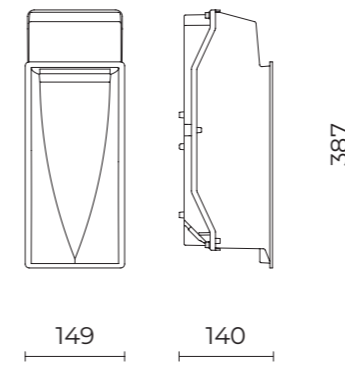
**BOLLARD**

OTTICHE / OPTICS

AS-D Asymmetric Diffused Beam

Fin

Incasso parete / Wall recessed



COLORI / COLOURS

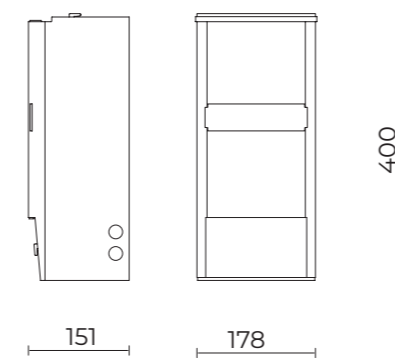
- SABLÉ 100 NOIR
- RAL9006
- RAL9003

ACCESSORI / ACCESSORIES

06FI990J0

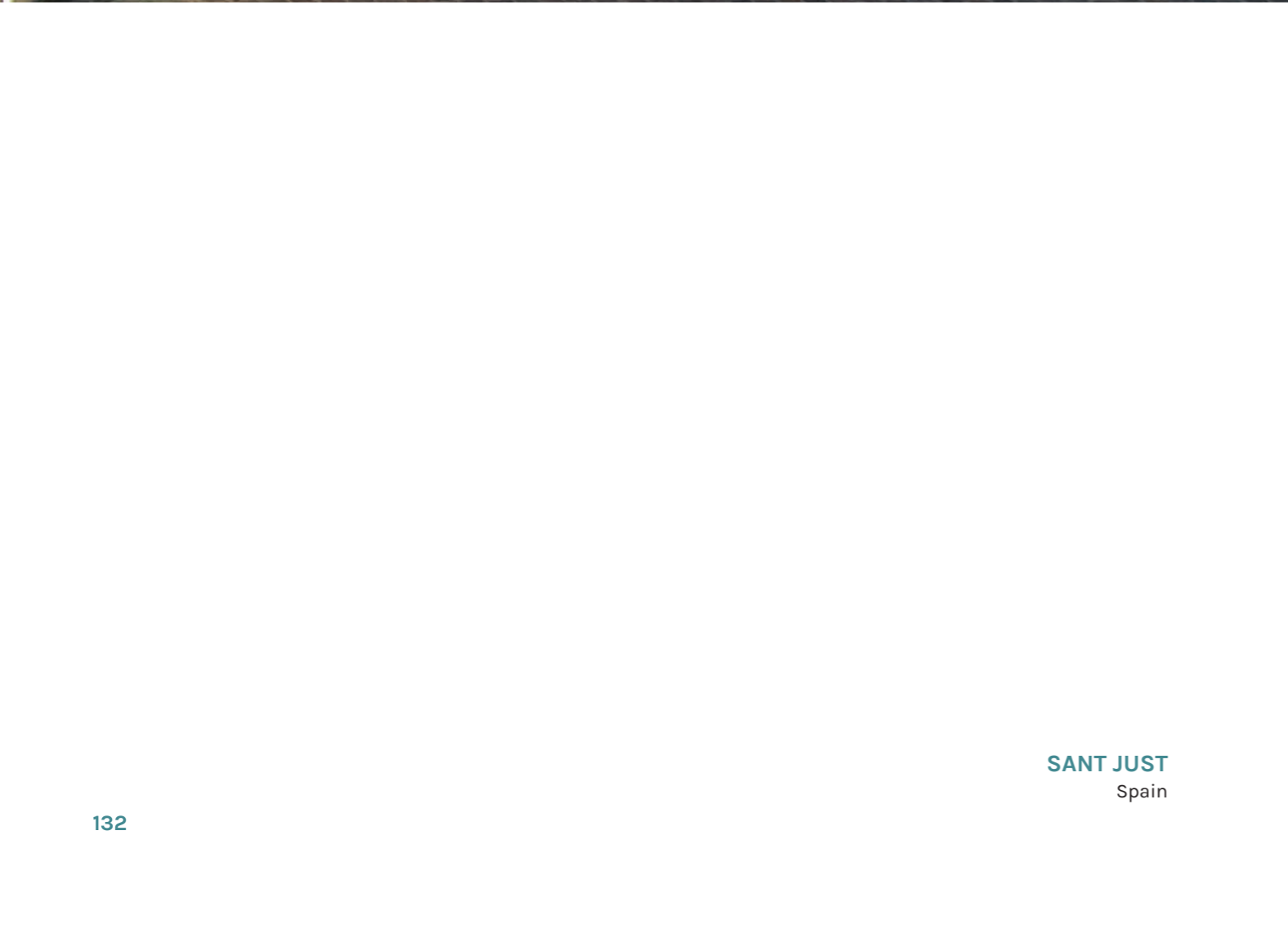
Controcassa per installazione a parete

Recessed housing for wall-mounting





**ROME**  
Italy



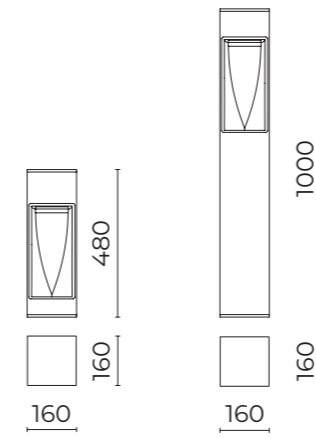
**SANT JUST**  
Spain



OTTICHE / OPTICS

AS-D Asymmetric Diffused Beam

**Fin**  
Bollard



**COLORI / COLOURS**

- SABLÉ 100 NOIR
- RAL9006

**ACCESSORI / ACCESSORIES**

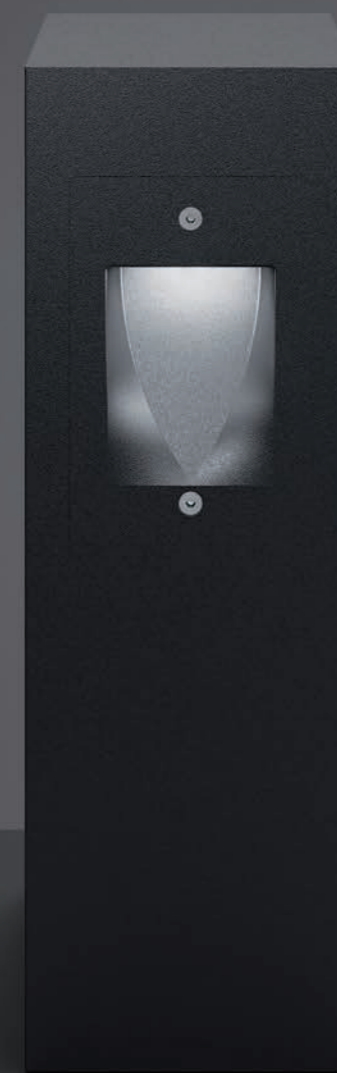
**06PY999X0**  
**Kit tirafondi**  
Anchoring bolts kit



# FIN XS

FIN XS è un floor-washer dalle dimensioni compatte, ideale per l'illuminazione di camminamenti, scale e rampe.

FIN XS is a compact floor-washer, ideal for lighting walkways, stairs and ramps.



220 240V	50 60Hz	CL II	IP65	IK06	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
95 lm

**Potenza apparecchio / Fitting power:**  
4,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
0,3 kg (incasso parete), 6 kg (bollard)  
0,3 kg (wall recessed), 6 kg (bollard)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Precablaggio / Pre-wiring:**  
versione bollard fornita con cavo e connettore  
bollard version is supplied with cable and connector

**Installazione / Installation:**  
incasso parete, terra / wall recessed, ground

#### COLORI / COLOURS

- SABLÉ 100 NOIR
- RAL9006
- RAL9003  
(only wall recessed version)

#### MATERIALI / MATERIALS

**Corpo / Body:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%), palo in alluminio estruso  
die-cast aluminum alloy UNI EN AB 47100 (copper  
content < 1%), extruded aluminium pole

**Schermo / Screen:**  
vetro piano sabbato / sandblasted flat glass

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

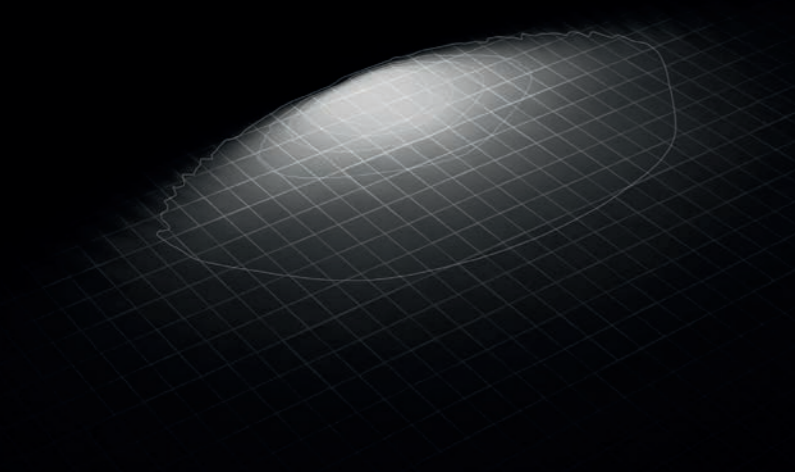
- 3000 K
- 4000 K



**INCASSO PARETE**  
WALL RECESSED



**BOLLARD**



### Fin

Incasso Parete / Wall recessed



### Bollard



### ACCESSORI / ACCESSORIES

**06PY999X0**

**Kit tirafondi**

Anchoring bolts kit







**SUKOŠAN**  
Croatia



**VODICE**  
Croatia



**SAVONA**  
Italy



**IBIZA**  
Spain

# EKLEIPSIS

EKLEIPSIS sembra modellata dalla sua stessa luce, come se la luce avesse eroso il metallo in cui era imprigionata per uscirne fuori morbidamente.

EKLEIPSIS seems to be modelled by his own light, as if the light had eroded the metal in which it was imprisoned to come out softly.







\* Bollard, pole

\*\* Bollard small

**DATI PRESTAZIONALI / PERFORMANCE DATA****Flusso apparecchio / Fitting flux:**

444 - 2073 lm

**Potenza apparecchio / Fitting power:**

13 - 50 W

**Indice di resa cromatica / Colour Rendering Index:**

CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**DALI su richiesta (medium, large) / DALI on request  
(medium, large)**TEMPERATURA COLORE  
COLOUR TEMPERATURE**

2700 K

3000 K

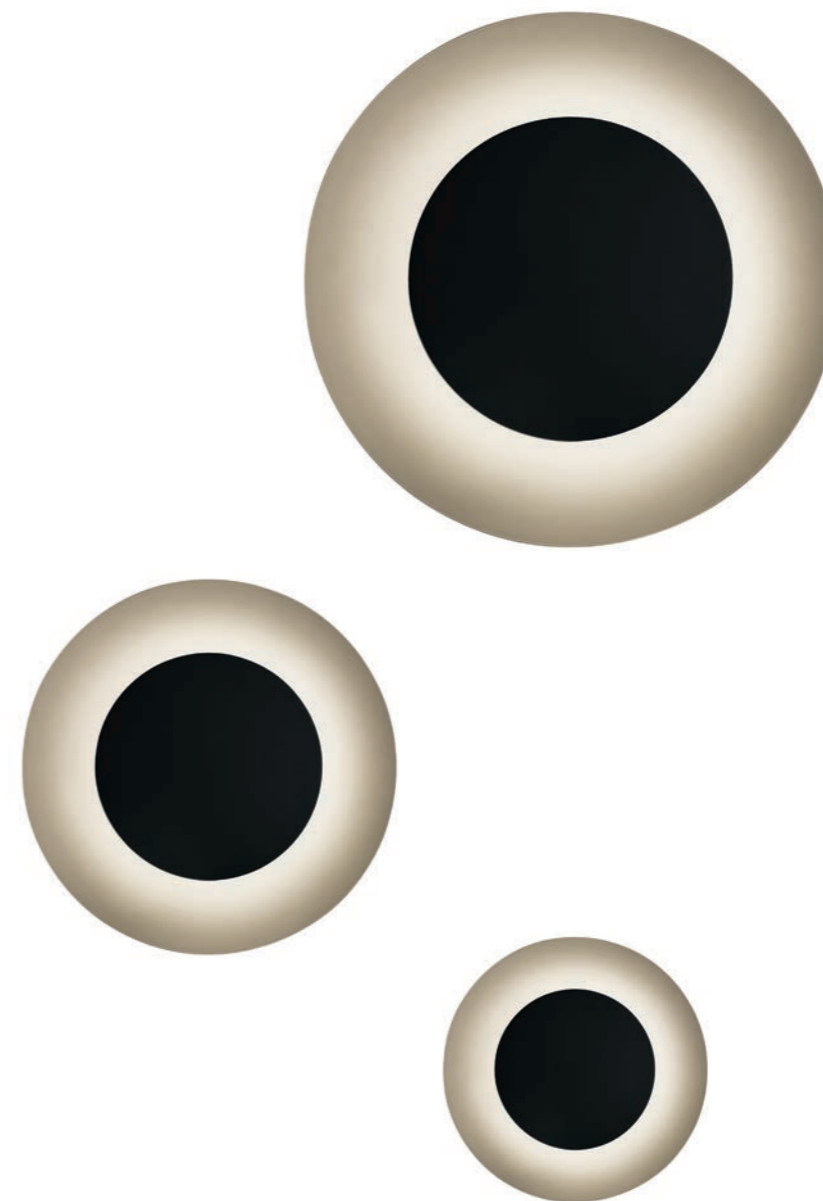
4000 K

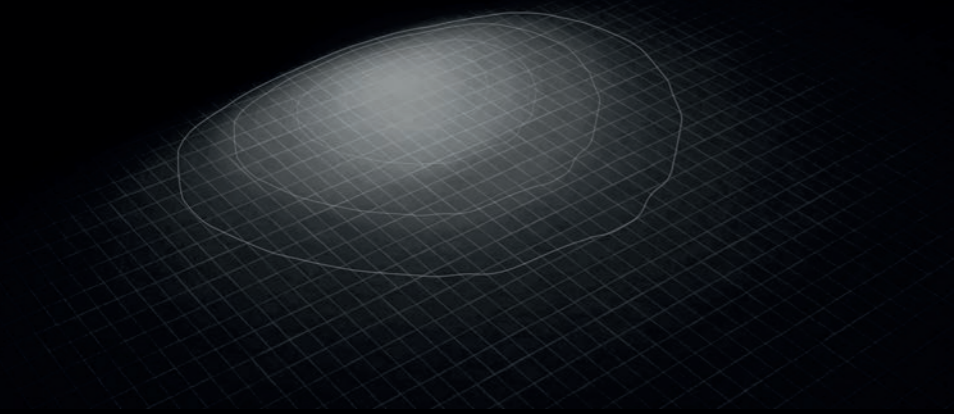
**MATERIALI / MATERIALS****Corpo / Body:**pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%), palo in alluminio estruso  
die-cast aluminum alloy UNI EN AB 47100 (copper  
content < 1%) extruded aluminium pole**Gruppo ottico / Optical unit:**

lente in policarbonato / polycarbonate lens

**Finitura / Finish:**fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance**CARATTERISTICHE / FEATURES****Alimentazione elettronica / Electronic power supply:**

inclusa / included

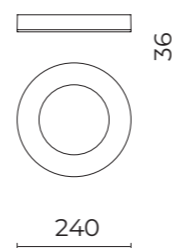
**Installazione / Installation:**parete, soffitto, bollard, palo / wall, ceiling,  
bollard, pole



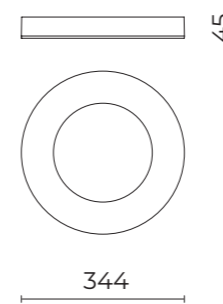
### Ekleipsis Parete / Wall



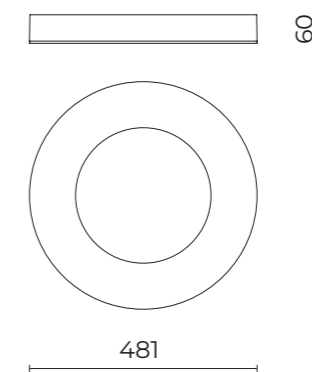
SMALL



MEDIUM



LARGE






#### DATI TECNICI / TECHNICAL DATA

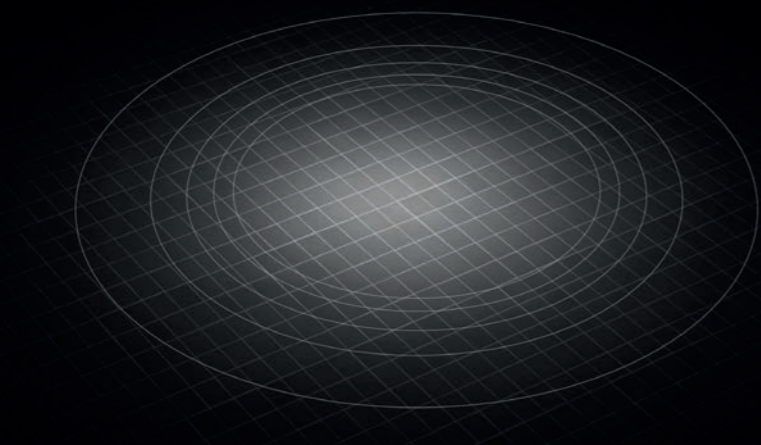
**Peso massimo / Max weight:**  
1,3 kg (small), 2,4 kg (medium), 5 kg (large)

**Installazione / Installation:**  
parete / wall-mounted

#### COLORI / COLOURS

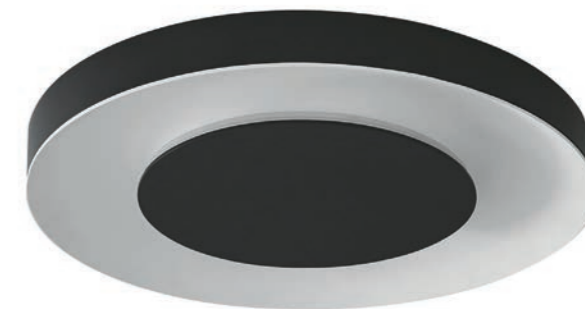
-  SABLÉ 100 NOIR
-  RAL9006
-  RAL9003



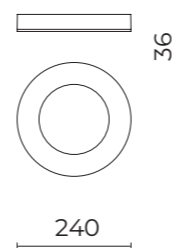


## Ekleipsis

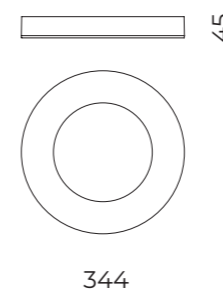
Soffitto / Ceiling



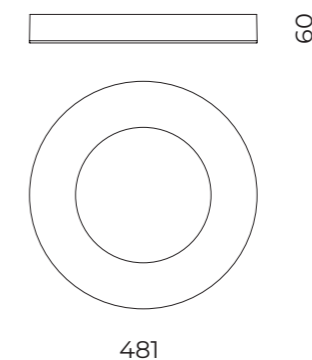
SMALL



MEDIUM



LARGE



### DATI TECNICI / TECHNICAL DATA

**Peso massimo / Max weight:**  
1,3 kg (small), 2,4 kg (medium), 5 kg (large)

**Installazione / Installation:**  
soffitto / ceiling-mounted

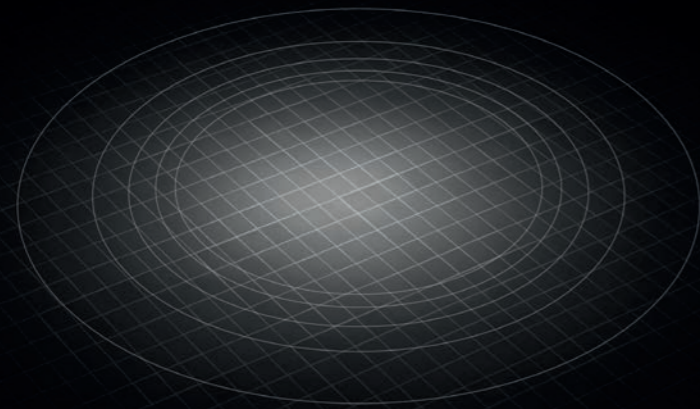
### COLORI / COLOURS

- SABLÉ 100 NOIR
- RAL9006
- RAL9003



OTTICHE / OPTICS

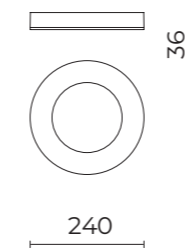
R-D Rotosymmetric Diffused Beam



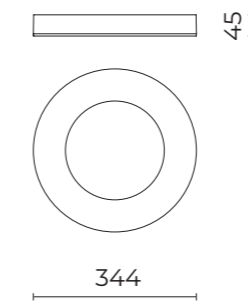
Ekleipsis

Incasso soffitto / Ceiling recessed

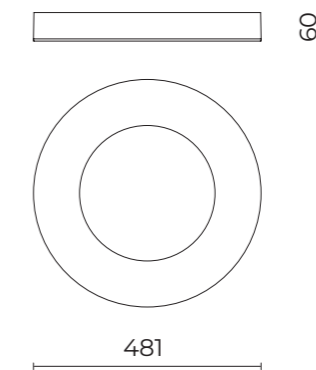
SMALL



MEDIUM



LARGE






DATI TECNICI / TECHNICAL DATA

**Peso massimo / Max weight:**  
1,3 kg (small), 2,4 kg (medium), 5 kg (large)

**Installazione / Installation:**  
incasso soffitto / ceiling-recessed

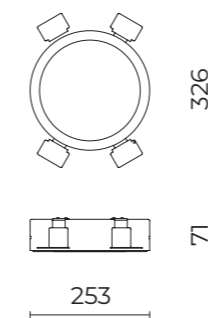
COLORI / COLOURS

-  SABLÉ 100 NOIR
-  RAL9006
-  RAL9003

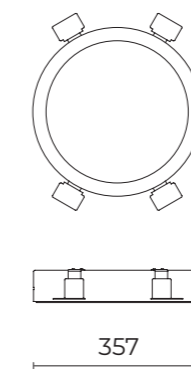
ACCESSORI / ACCESSORIES

**Kit incasso per soffitti in cartongesso**  
Recessed kit for plasterboard ceilings

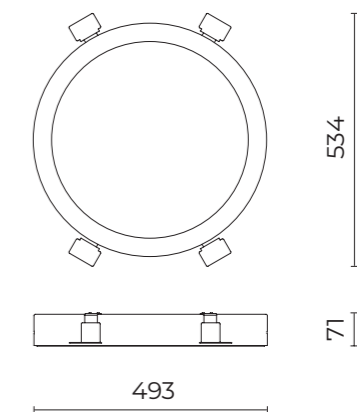
**06EK900J**  
Small



**06EK901J**  
Medium



**06EK902J**  
Large





**SUKOŠAN**  
Croatia



**BRATISLAVA**  
Slovakia



**BERGAMO**  
Italy

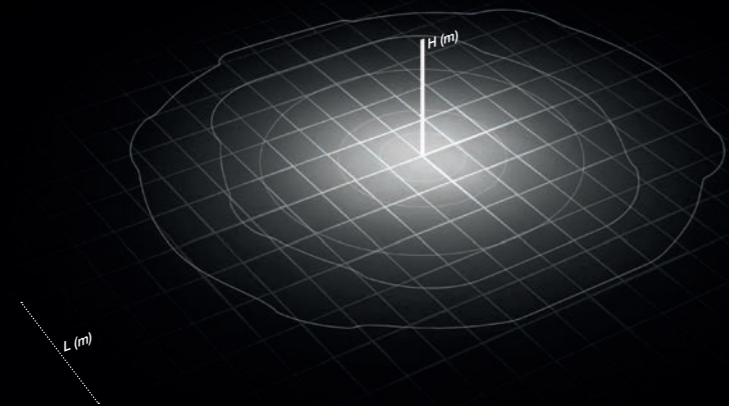


**VIC**  
Spain

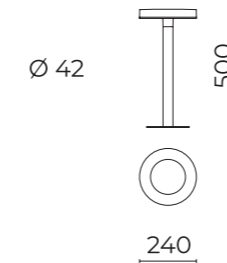


## OTTICHE / OPTICS

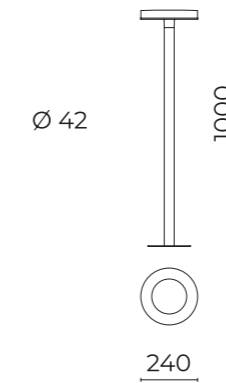
R-D Rotosymmetric Diffused Beam

Ekleipsis  
Bollard

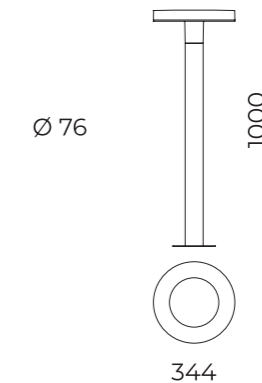
SMALL 500



SMALL 1000



MEDIUM 1000



## DATI TECNICI / TECHNICAL DATA

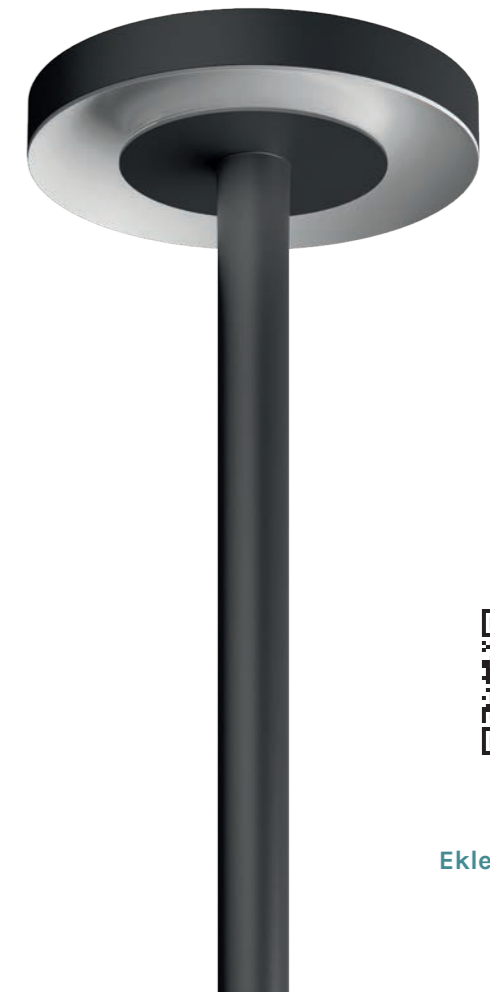
**Peso massimo / Max weight:**  
7,5 kg (small), 16 kg (medium)

**Protezione contro le sovratensioni**  
Surge Protection Device:  
MC 6 kV (small), 3 kV (medium)  
MD 10 kV (small), 8 kV (medium)

**Installazione / Installation:**  
terra, con piastra di base  
ground, with base plate

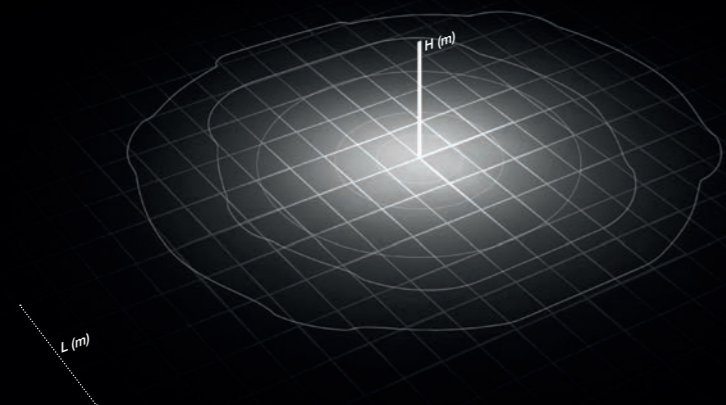
## COLORI / COLOURS

- SABLÉ 100 NOIR
- RAL9006



OTTICHE / OPTICS

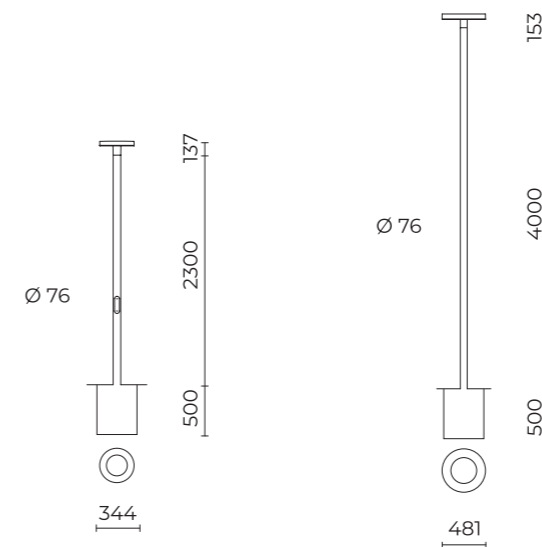
R-D Rotosymmetric Diffused Beam



**Ekleipsis**  
Palo / Pole

MEDIUM

LARGE



**DATI TECNICI / TECHNICAL DATA**

**Peso massimo / Max weight:**  
16 kg (medium), 34 kg (large)

**Protezione contro le sovratensioni**  
Surge Protection Device:  
MC 3 kV (medium), 4 kV (large)  
MD 8 kV

**Installazione / Installation:**  
terra, mediante interrimento  
ground, with buried pole

**COLORI / COLOURS**

- SABLÉ 100 NOIR
- RAL9006



# OMIKRON MINI

Il proiettore della linea OMIKRON per installazione a terra, parete e su palo pensato per valorizzare elementi architettonici e naturali, enfatizzare facciate e camminamenti.

Floodlight belonging to OMIKRON line and designed for ground, wall-mounted or pole-mounted installation. It's ideal for enhancing architectural and natural elements and emphasising facades and walkways.

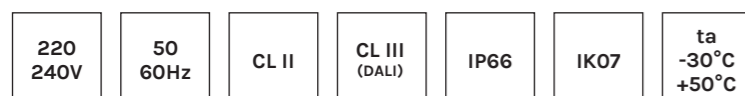




MILAN  
Italy



BERGAMO  
Italy



#### DATI PRESTAZIONALI / PERFORMANCE DATA

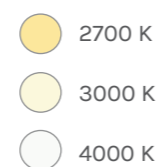
**Flusso apparecchio** / Fitting flux:  
75 - 545 lm

**Potenza apparecchio** / Fitting power:  
4,2 - 7,8 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI, driver esterno / DALI, external driver

#### TEMPERATURA COLORE COLOUR TEMPERATURE



#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
1 kg, 1,5 kg (bollard)

**Alimentazione elettronica** / Electronic power supply:  
inclusa (opzione ON-OFF) / included (ON-OFF option)

**Precablaggio** / pre-wiring:  
incluso, fornito con cavo 1,5 m  
included, provided with 1,5 m cable

**Installazione** / Installation:  
terra, parete, palo / ground, wall, pole

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio** / Body and fitting system:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

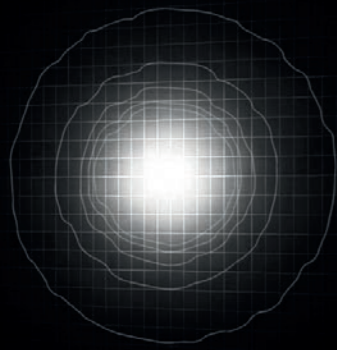
**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

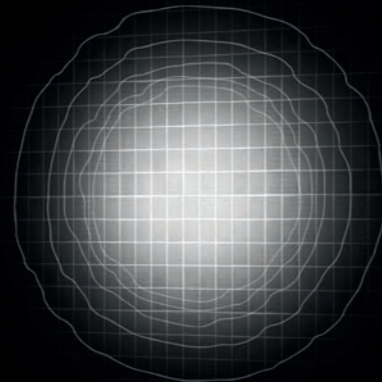


OTTICHE / OPTICS

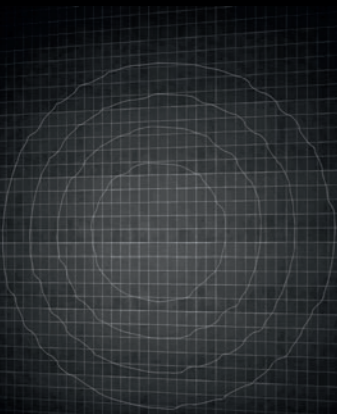
C 10° Narrow Beam



M 25° Medium Beam



U-D 90° Diffused Beam

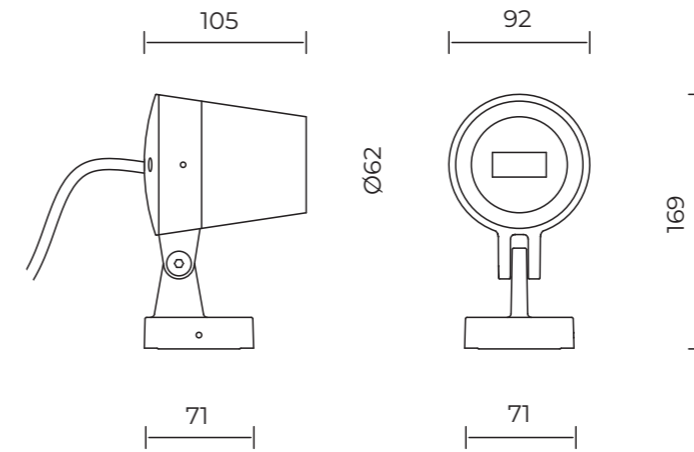


Blade 6°x90° \*



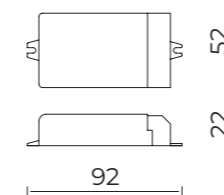
\* optic available only in 3000 K and 4000 K.

Omikron mini  
Flood

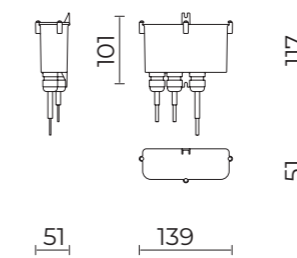


ACCESSORI / ACCESSORIES

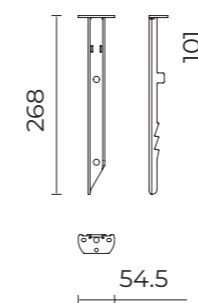
**060M902X0**  
**D6 - Driver DALI 20W 24V**  
**IP20 max 2 Omikron mini**  
DALI driver 20W 24V IP20  
max 2 Omikron mini



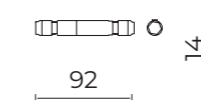
**060M903X0**  
**D7 - Kit driver DALI 20W 24V**  
**IP67 max 2 mini**  
Driver kit DALI 20W 24V IP67  
max 2 Omikron mini



**06AK957B0**  
**I2 - Picchetto per interramento**  
Spike for ground



**06GC902X0**  
**B165 - Connettore 2 poli IP68**  
2 pole connector IP68



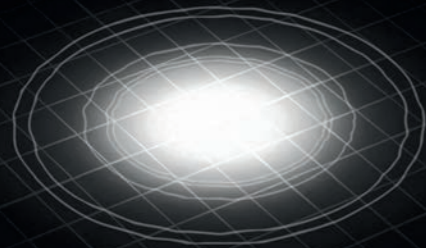
COLORI / COLOURS

- SABLÉ 100 NOIR
- RAL9006
- CORTEN
- RAL9003

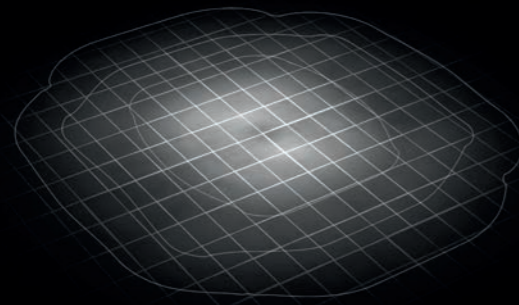


OTTICHE / OPTICS

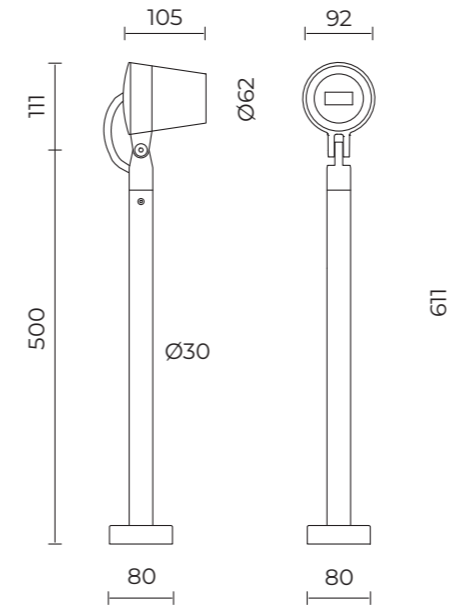
M 25° Medium Beam



U-D 90° Diffused Beam



Omikron mini  
Bollard

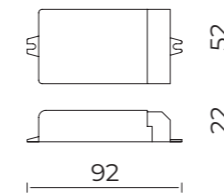


COLORI / COLOURS

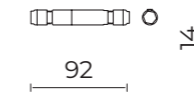
- SABLÉ 100 NOIR
- RAL9006

ACCESSORI / ACCESSORIES

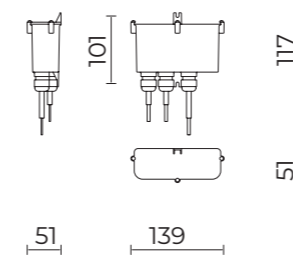
**060M902X0**  
D6 - Driver DALI 20W 24V  
IP20 max 2 Omikron mini  
DALI driver 20W 24V IP20  
max 2 Omikron mini



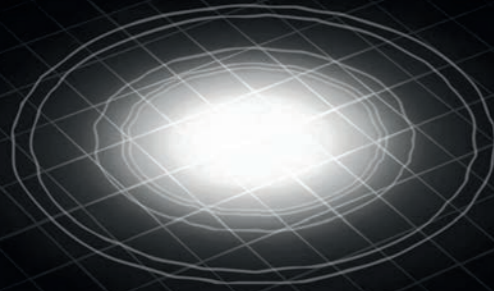
**06GC902X0**  
B165 - Connettore 2 poli  
2 pole connector



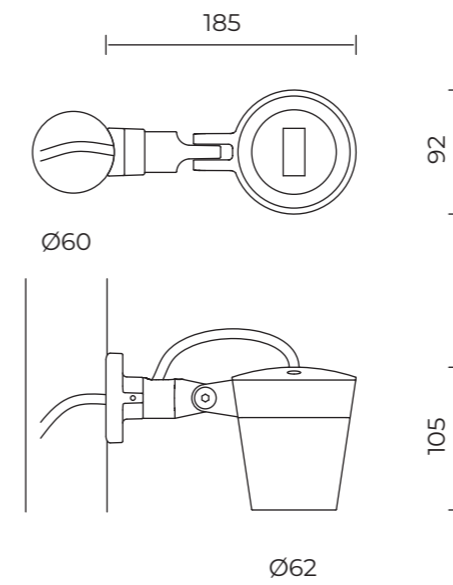
**060M903X0**  
D7 - Kit driver DALI 20W 24V  
IP67 max 2 Omikron mini / Driver kit  
DALI 20W 24V IP67 max 2 Omikron mini



M 25° Medium Beam

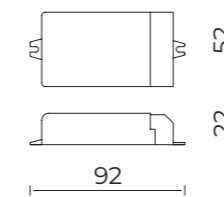


**Omikron mini**  
Pole

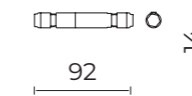


**ACCESSORI / ACCESSORIES**

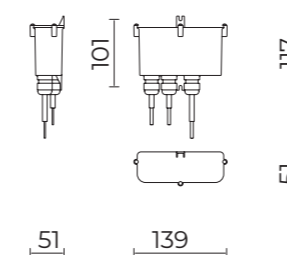
**060M902X0**  
**D6 - Driver DALI 20W 24V**  
**IP20 max 2 Omikron mini**  
DALI driver 20W 24V IP20  
max 2 Omikron mini



**06GC902X0**  
**B165 - Connettore 2 poli**  
2 pole connector



**060M903X0**  
**D7 - Kit driver DALI 20W 24V**  
**IP67 max 2 Omikron mini**  
Driver kit DALI 20W 24V IP67  
max 2 Omikron mini



**COLORI / COLOURS**

- SABLÉ 100 NOIR
- RAL9006





# OMIKRON

Una soluzione compatta e flessibile per valorizzare lo spazio attraverso l'illuminazione d'accento e diffusa di facciate, spazi urbani e aree verdi.

Compact and flexible solution to enhance spaces through accent and diffuse lighting of facades, urban spaces and green areas.



220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
1210 - 1310 lm

**Potenza apparecchio** / Fitting power:  
20W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 90, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI su richiesta / DALI on request

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio** / Body and fitting system:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato  
tempered flat glass

**Gruppo ottico** / Optical unit:  
lente in tecnopolimero ad alta trasparenza  
highly transparent technopolymer lens

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
2 kg

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

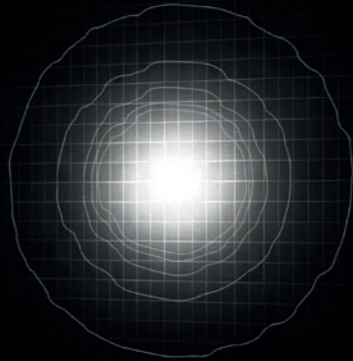
**Precablaggio** / pre-wiring:  
prodotto pre-cablato con cavo  
pre-wired product with cable

**Installazione** / Installation:  
terra, parete, palo / ground, wall, pole

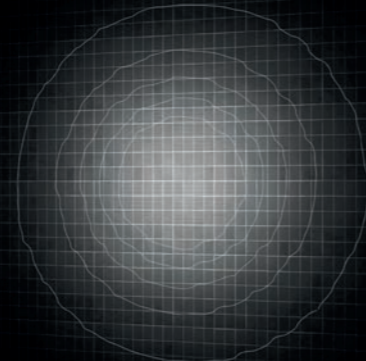


OTTICHE / OPTICS

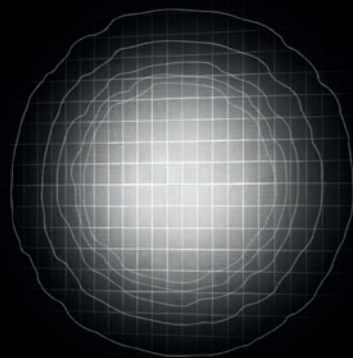
C 10° Narrow Beam



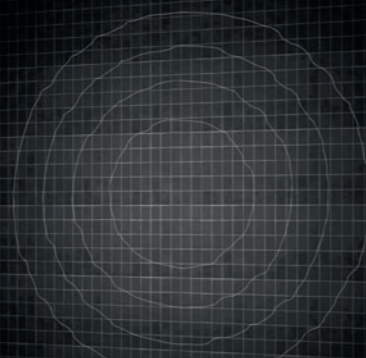
D 45° Wide Beam



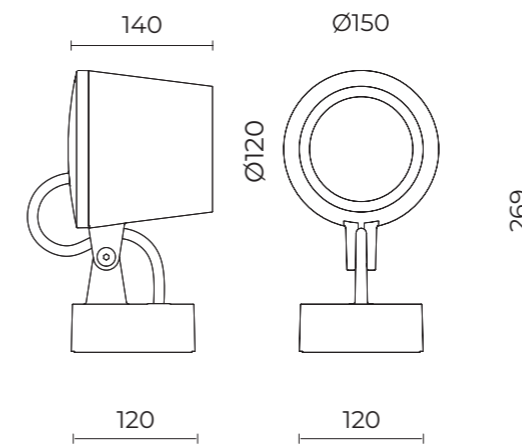
M 25° Medium Beam



U-D 90° Diffused Beam



**Omikron**  
Flood / Pole



**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
terra, parete, palo (Ø 102 mm) con accessorio  
ground, wall-mounted, pole (Ø 102 mm) with accessory

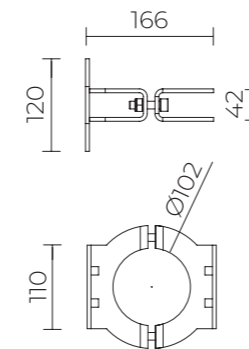
Disponibili, su richiesta, versioni con honeycomb  
On request, are available versions with honeycomb

**Inclinazione / Inclination:**  
+90° ÷ -45°, rotazione ±30°  
+90° ÷ -45°, rotation ±30°

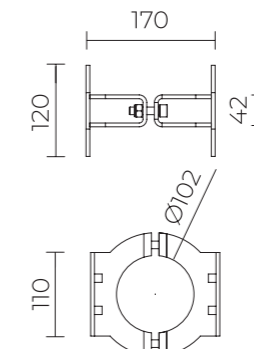


**ACCESSORI / ACCESSORIES**

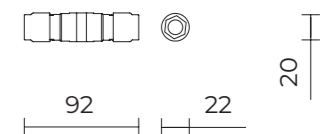
**060M904C0**  
**B136 Anello per palo Ø 102 mm**  
Single pole ring for pole Ø 102 mm



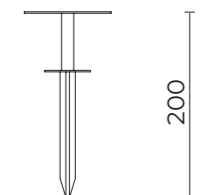
**060M905C0**  
**Anello doppio per palo Ø 102 mm**  
Double pole ring for pole Ø 102 mm



**06KS918C0**  
**B137 - Connettore 2 vie IP68**  
2-way connector IP68



**060M901C0**  
**B135 - Picchetto per interramento**  
Spike for ground installation



**KLAIPEDA**  
Lithuania

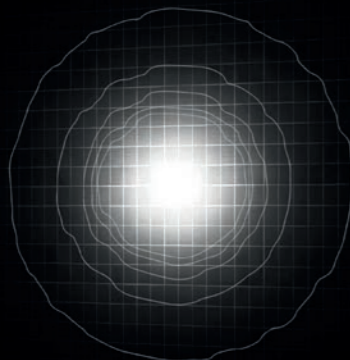


**NOLI**  
Italy

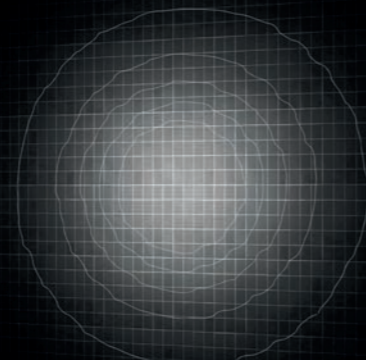


OTTICHE / OPTICS

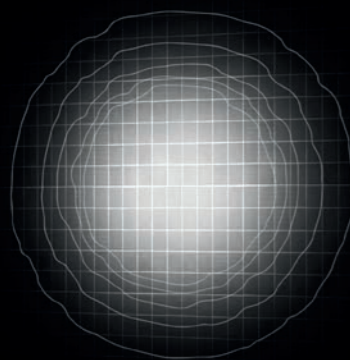
C 10° Narrow Beam



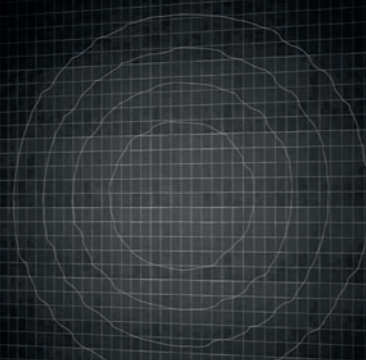
D 45° Wide Beam



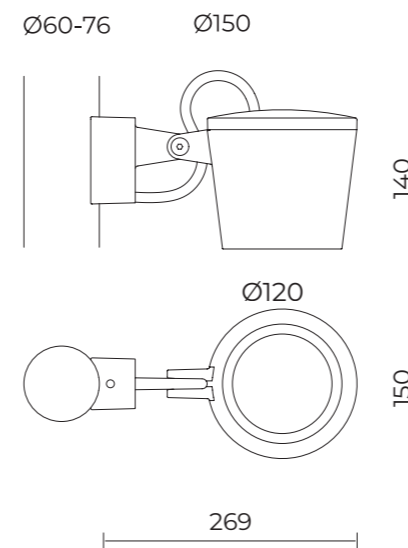
M 25° Medium Beam



U-D 90° Diffused Beam



Omikron  
Pole



DATI TECNICI / TECHNICAL DATA

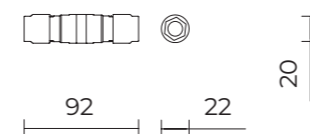
**Installazione / Installation:**  
palo Ø 60 - 76 mm / pole Ø 60-76 mm

Disponibili, su richiesta, versioni con honeycomb  
On request, are available versions with honeycomb

**Inclinazione / Inclination:**  
+90° ÷ -45°

ACCESSORI / ACCESSORIES

**06KS918C0**  
**B137 - Connettore 2 vie IP68**  
2-way connector IP68



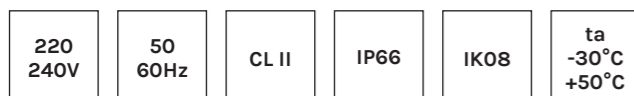
# OMIKRON PRO

OMIKRON PRO è il nuovo proiettore della linea Omikron pensato per illuminare facciate, percorsi e spazi urbani.

OMIKRON PRO is the new floodlight in the Omikron line designed to illuminate façades, walkways and urban spaces.







#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
1695 - 3970 lm

**Potenza apparecchio** / Fitting power:  
19 - 36 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio** / Body and fitting system:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR
- RAL9006

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
4,1 kg

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Resistenza sovratensioni** / Surge Protection Device:  
MC 10 kV  
MD 6 kV

**Precablaggio** / pre-wiring:  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

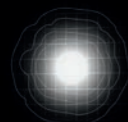
**Installazione** / Installation:  
terra, parete, palo / ground, wall, pole



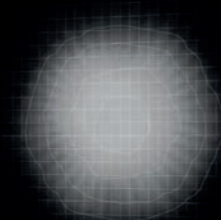


OTTICHE / OPTICS

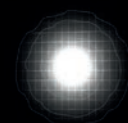
U-C 6° Ultra-Narrow Beam



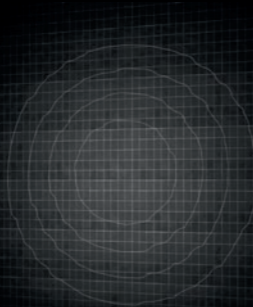
D 40° Wide Beam



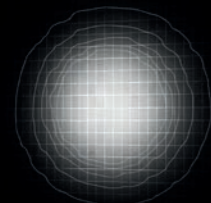
C 11° Narrow Beam



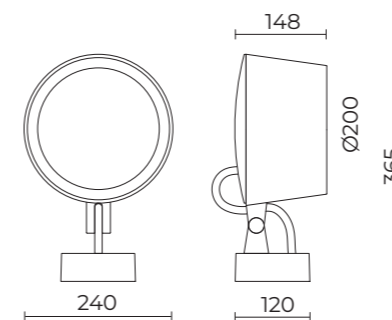
U-D 90° Diffused Beam



M 25° Medium Beam



Omikron pro  
Flood



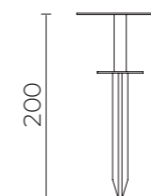
DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
terra, parete / ground

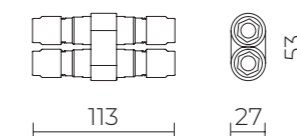
**Inclinazione / Inclination:**  
-90° ÷ +45°, rotazione +15° ÷ -15°  
+90° ÷ -45°, rotation +15° ÷ -15°

ACCESSORI / ACCESSORIES

**060M901C0**  
**B135 - Picchetto per interrimento**  
Spike for ground installation

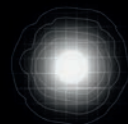


**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
4-way connector IP68

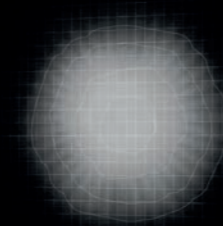


OTTICHE / OPTICS

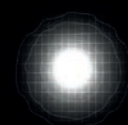
U-C 6° Ultra-Narrow Beam



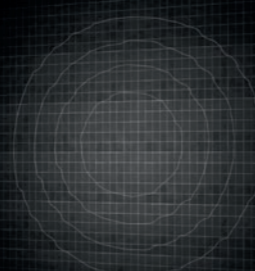
D 40° Wide Beam



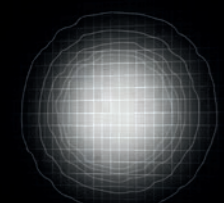
C 11° Narrow Beam



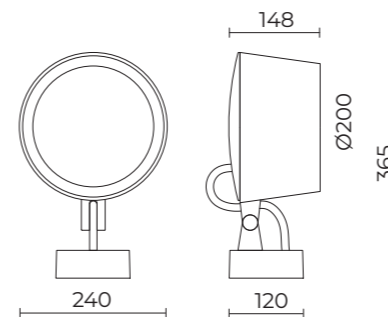
U-D 90° Diffused Beam



M 25° Medium Beam



Omikron pro  
Pole



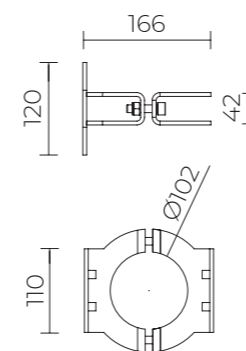
DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
palo Ø 102 mm / pole Ø 102 mm

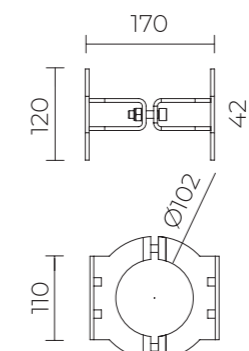
**Inclinazione / Inclination:**  
+90° ÷ -45°, rotazione +15° ÷ -15°  
+90° ÷ -45°, rotation +15° ÷ -15°

ACCESSORI / ACCESSORIES

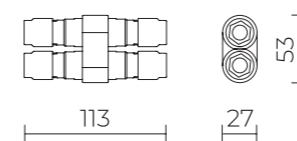
**06OM904C0**  
**B136 - Anello per palo**  
Ring for pole



**06OM905C0**  
**B137 - Anello doppio per palo**  
Double ring for pole



**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
4-way connector IP68



# SIGMA

Una forma senza tempo, declinata in un sistema completo e flessibile, rende SIGMA una soluzione per l'illuminazione di ogni ambiente urbano.

A timeless shape divided into a complete and flexible system makes SIGMA a lighting solution for any urban environment.



220 240V	50 60Hz	CL II	IP66	IK08 (U-D 90°)	IK09	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA



**Flusso apparecchio / Fitting flux:**  
1695 - 11485 lm

**Potenza apparecchio / Fitting power:**  
19 - 107 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  2700 K
-  3000 K
-  4000 K

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy UNI  
EN AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di  
poliestere realizzata in 16 fasi per la miglior resistenza  
agli agenti atmosferici / phospho-chromatation  
treated and polyester powder-coated in 16 phases to  
increase weather resistance

#### COLORI / COLOURS

-  SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
5,1 kg (small), 9,1 kg (medium)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

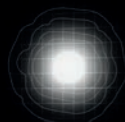
**Precablaggio / Pre-wiring:**  
prodotto precablato con cavo e connettore  
pre-wired product with cable and connector

**Installazione / Installation:**  
terra, parete, palo / ground, wall, pole

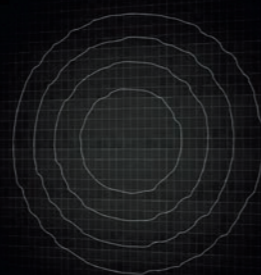


## OTTICHE / OPTICS

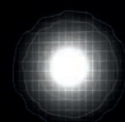
U-C 6° Ultra-Narrow Beam



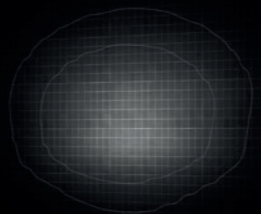
U-D 90° Diffused Beam



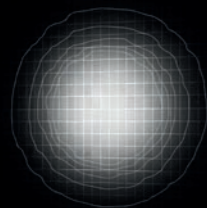
C 11° Narrow Beam



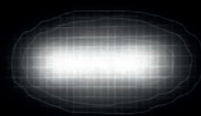
W-W Wall Washer



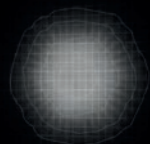
M 25° Medium Beam



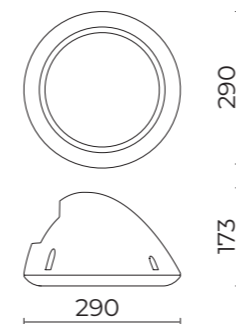
E 12°x 50° Ellipsoidal Beam



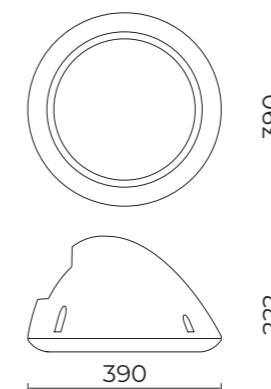
D 40° Wide Beam

Sigma  
Flood

SMALL



MEDIUM

**Inclination:**

-90° ÷ +35°; rotazione ±30°  
-90° ÷ +35°, rotation ±30°

**Rotazione ottica ellissoidale / Ellipsoidal optics rotation:**

possibilità di rotazione di 360° dell'ottica ellissoidale dall'esterno, senza l'uso di utensili, con il prodotto installato ed acceso per l'ottimizzazione del puntamento  
the ellipsoidal optic can be rotated on 360° from outside, without the use of tools, while product is installed and switched on for pointing optimisation

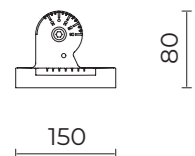


# Sigma

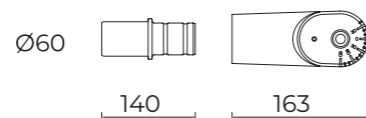
Flood

## ACCESSORIES

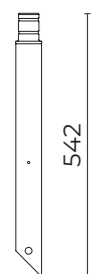
**06SG903CO**  
**B127 - Base di fissaggio ruotabile ±30°**  
Fixing base which can be rotated ±30°



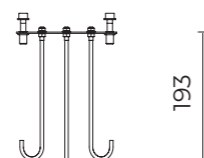
**06SG904CO**  
**B128 - Giunto per picchetto**  
Joint for spike



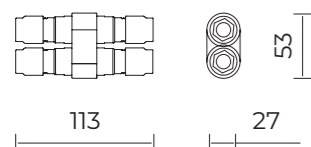
**06LT908CO**  
**B117 - Picchetto per interrimento**  
Spike for ground installation



**06LT909JO**  
**B118 - Ancore per calcestruzzo**  
Anchor for concrete

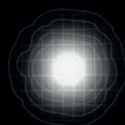


**06KS909CO**  
**B89 - Connettore 4 vie IP68**  
4-way connector IP68

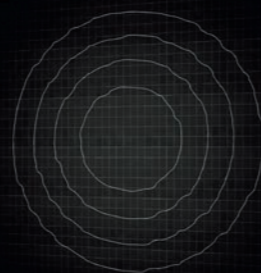


## OTTICHE / OPTICS

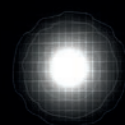
U-C 6° Ultra-Narrow Beam



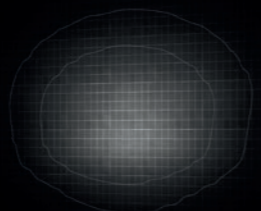
U-D 90° Diffused Beam



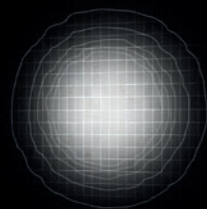
C 11° Narrow Beam



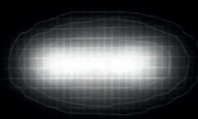
W-W Wall Washer



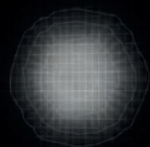
M 25° Medium Beam



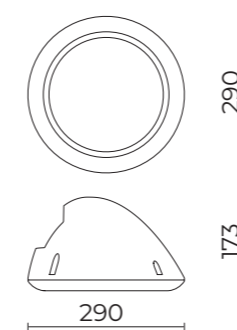
E 12°x 50° Ellipsoidal Beam



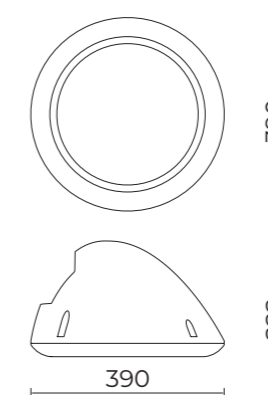
D 40° Wide Beam

Sigma  
Pole

SMALL



MEDIUM



## DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**

con accessorio 06SG904C0 su bracci Ø 60 mm, per pali Ø 60 - 76 - 102 mm / with accessory 06SG904C0 on arms Ø 60 mm, for poles Ø 60 - 76 - 102 mm

**Inclinazione / Inclination:**

-90° ÷ -35

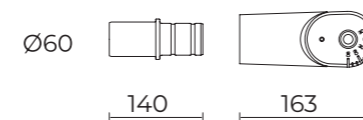
**Rotazione ottica ellissoidale / Ellipsoidal optics rotation:**

possibilità di rotazione di 360° dell'ottica ellissoidale dall'esterno, senza l'uso di utensili, con il prodotto installato ed acceso per l'ottimizzazione del puntamento / the ellipsoidal optic can be rotated on 360° from outside, without the use of tools, while product is installed and switched on for pointing optimisation

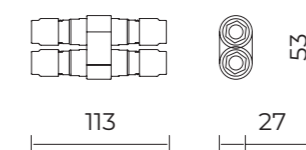
## ACCESSORI / ACCESSORIES

**06SG904C0**

**B128 - Giunto orientabile**  
Adjustable joint

**06KS909C0**

**B89 - Connettore 4 vie IP68**  
4-way connector IP68

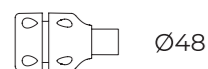


**Sigma**  
Pole

ACCESSORI E BRACCI / ACCESSORIES AND ARMS

**01AK903CO**  
**L3 - Kit giunto per palo**  
Joint kit for pole

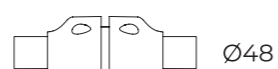
Ø60÷76



142

**01AK904CO**  
**L4 - Kit giunto doppio per palo**  
Double joint kit for pole

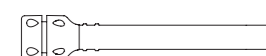
Ø60÷76



170

**01AK921CO**  
**B1 - Braccio per pali**  
Arm for poles

Ø60÷76



550

**01AK922CO**  
**B2 - Braccio doppio per pali**  
Double arm for poles

Ø60÷76



550

550

**06AK916CO**  
**B139 - Anello per pali**  
Ring for poles

Ø102



**06AK917CO**  
**B140 - Anello doppio per pali**  
Double ring for poles

Ø102



**06AK907CO**  
**B155 - Braccio per pali**  
Arm for poles

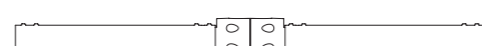
Ø102



550

**06AK909CO**  
**B157 - Braccio doppio per pali**  
Double arm for poles

Ø102



550

550





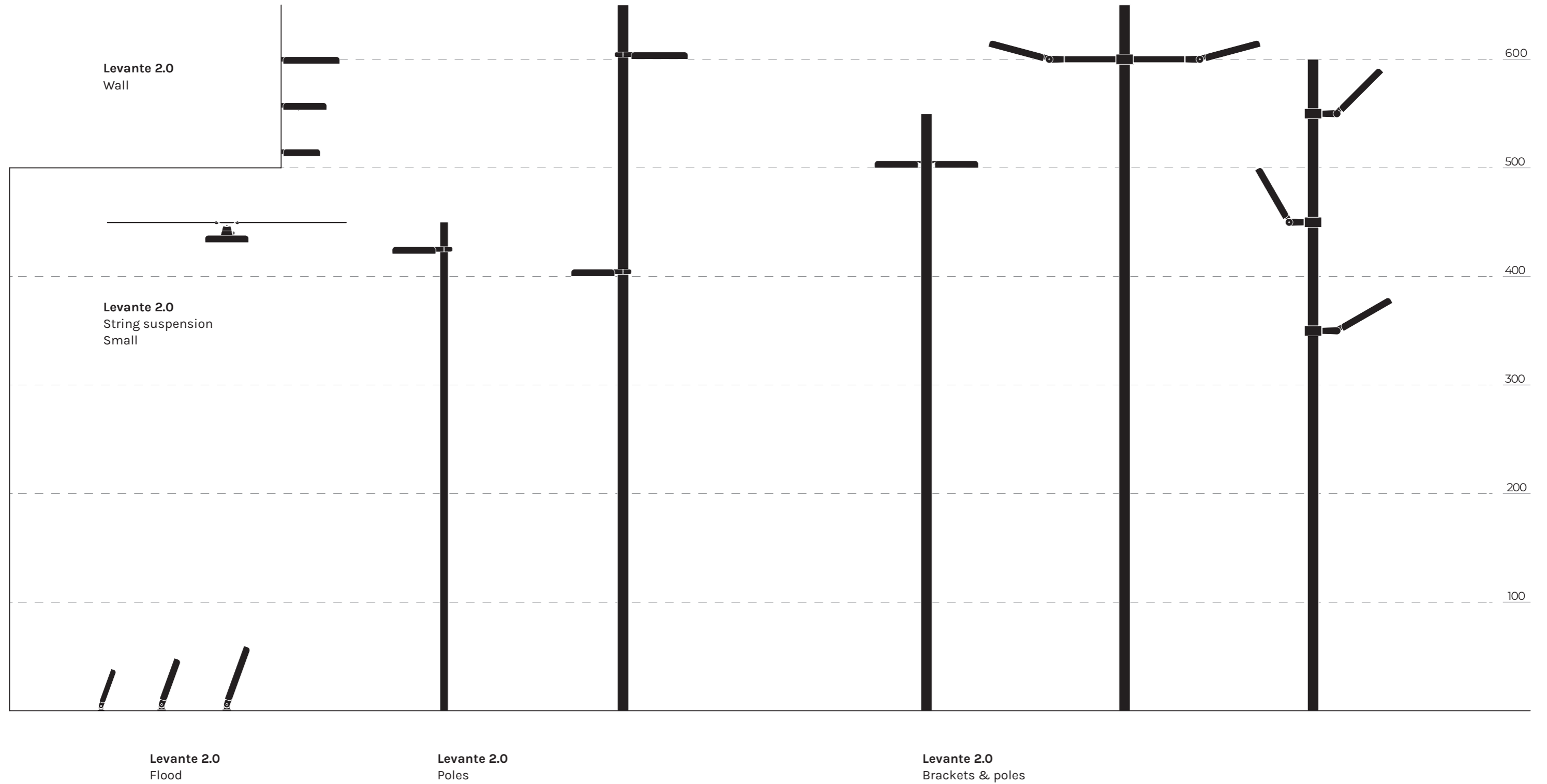
# LEVANTE 2.0

LEVANTE 2.0 è un sistema completo e flessibile per l'illuminazione di vuoti e pieni urbani: percorsi, spazi e architetture. I sistemi ottici per proiezione sono disponibili anche in RGBW. Le versioni ECO-CENTRIC LIGHTING di LEVANTE 2.0 tutelano la biodiversità e il benessere degli esseri umani.

LEVANTE 2.0 is a complete and flexible system for lighting empty and full urban locations, such as pathways, spaces and architecture. Its projection optical systems are also available in RGBW. The ECO-CENTRIC LIGHTING versions of LEVANTE 2.0 protect biodiversity and human well-being.







220-240V  
24V (RGBW)50  
60Hz

CL II

CL I  
(RGBW)






IP66

IK09

ta  
-30°C  
+50°C

ROHS

**DATI PRESTAZIONALI / PERFORMANCE DATA****Flusso apparecchio / Fitting flux:**  
1670 - 23180 lm**Potenza apparecchio / Fitting power:**  
12 - 155 W**Indice di resa cromatica / Colour Rendering Index:**  
≥ 70, SDCM ≤ 3 (ottiche stradali) / (street optics)  
≥ 80, SDCM ≤ 3 (ottiche proiezione) / (projection optics)**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale, DALI. Su richiesta ZHAGA, CLO, PLC,  
telegestione wireless, sensori / virtual midnight, DALI.  
On request ZHAGA, CLO, PLC, wireless telemanagement,  
detectors**MATERIALI / MATERIALS****Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy UNI  
EN AB 47100 (copper content < 1%)**Schermo / Screen:**  
vetro piano temprato / tempered flat glass**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
PMMA high transparent lenses**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di  
poliestere realizzata in 16 fasi per la miglior resistenza  
agli agenti atmosferici / phospho-chromatation  
treated and polyester powder-coated in 16 phases to  
increase weather resistance**TEMPERATURA COLORE  
COLOUR TEMPERATURE**

-  2200 K
-  2700 K
-  3000 K
-  4000 K
-  RGB+W 3000 K

**ECO-CENTRIC LIGHTING (ECL)  
(ONLY FOR STREET OPTICS)****BLUE FREE LIGHT:**  
PC-AMBER 0,7%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) – CRI 40  
1800 K 4,3%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) – CRI 70**SWITCHABLE WHITE LIGHT:**  
1800K / 3000K**COLORE / COLOUR**

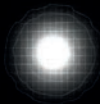
-  SABLÉ 100 NOIR

**CARATTERISTICHE / FEATURES****Peso massimo / Max weight:**  
3.6 kg (x-small), 6 kg (small), 9 kg (medium)**Alimentazione elettronica / Electronic power supply:**  
inclusa, esterna nelle versioni RGBW / included, remote  
for RGBW versions**Installazione / Installation:**  
parete, terra, soffitto, palo, sospensione tesata  
wall, ground, ceiling, pole, string suspension

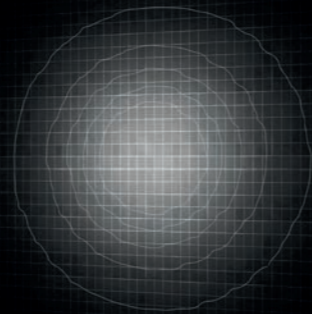
Levante 2.0

OTTICHE / OPTICS

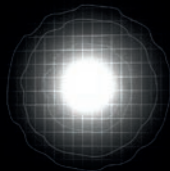
U-C 6° Ultra-narrow Beam



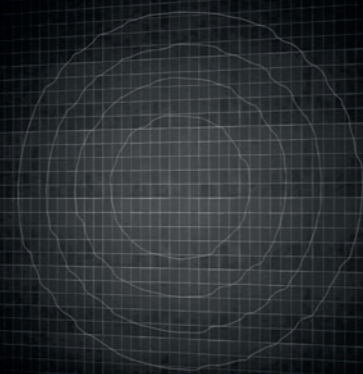
D 40° Wide Beam



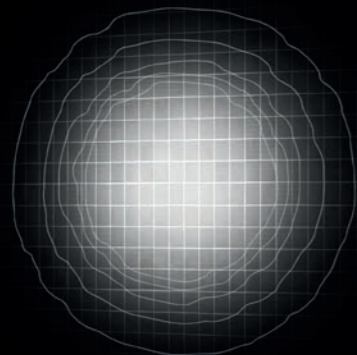
C 11° Narrow Beam



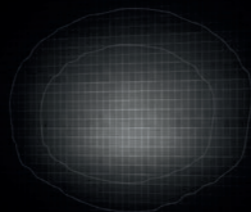
U-D 90° Diffused Beam



M 25° Medium Beam

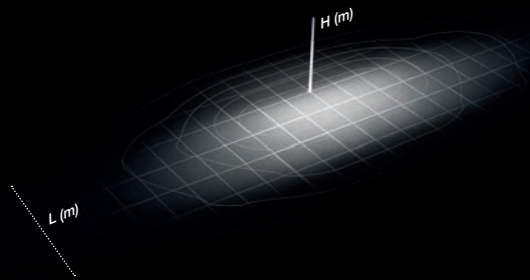


W-W Wall Washer

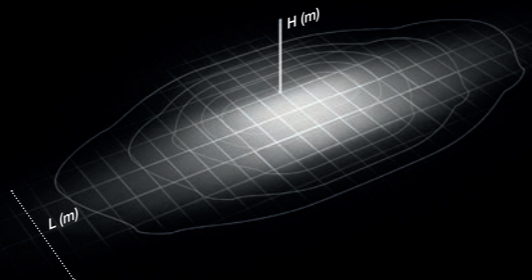


OTTICHE / OPTICS

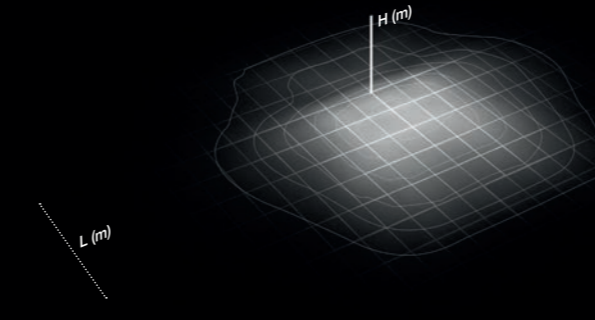
LT-C1 Cycle Path  
L / H = 0,5



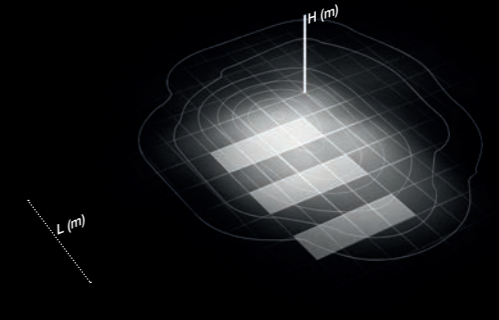
ST-02 Narrow Street  
L / H = 0,75 ECL



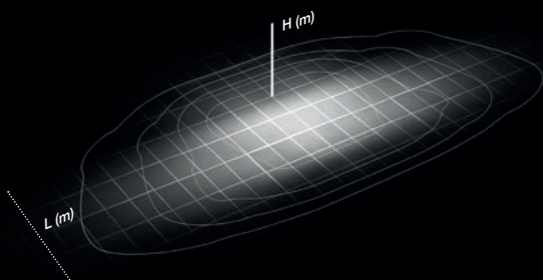
LT-63 Asymmetric Beam  
L / H = 2 ECL



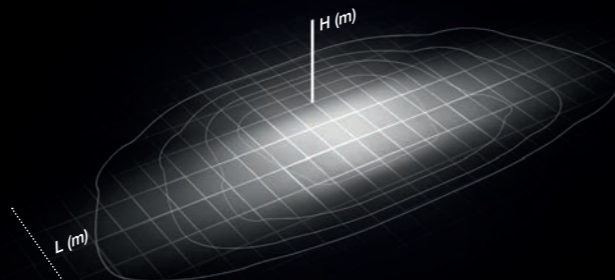
AP-D2 Pedestrian Crossing



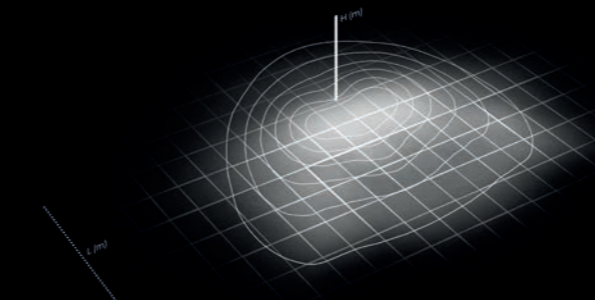
ME-05 Medium Street  
L / H = 1 ECL



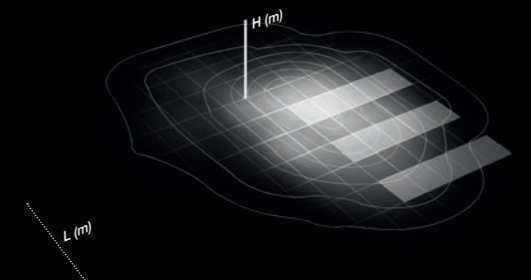
ME-06 Medium Street with sidewalk  
L / H = 1



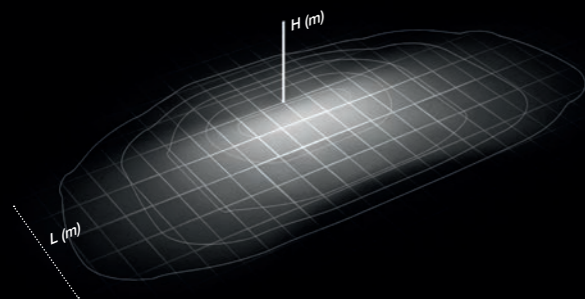
LT-64 Asymmetric beam with backlight  
L / H = 2 ECL



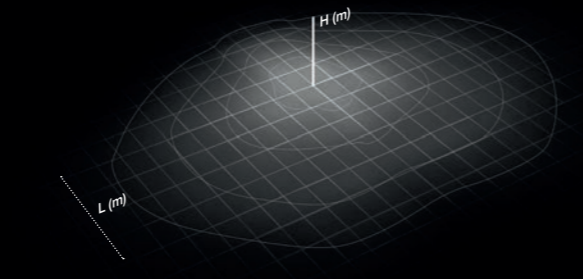
AP-S2 Pedestrian Crossing



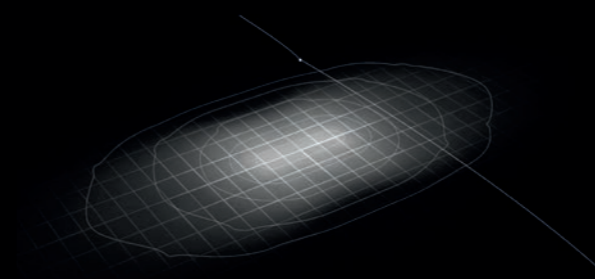
LA-03 Wide Street  
L / H = 1,25 ECL



PB-01 Low Pole  
L / H = 2



SO-02 Street Centered



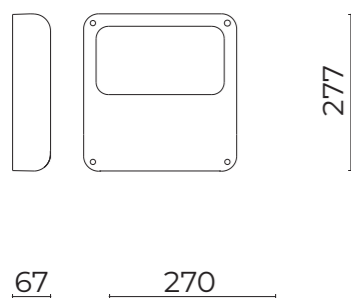
\*Levante 2.0 è un sistema modulare e componibile. Il progettista può combinare qualsiasi distribuzione luminosa con ognuno dei sistemi di fissaggio per realizzare configurazioni originali e flessibili ad ogni contesto.

\*Levante 2.0 is a modular and combinable system. The designer can combine any light distribution with each of the fixing systems to create original and flexible configurations for any context.

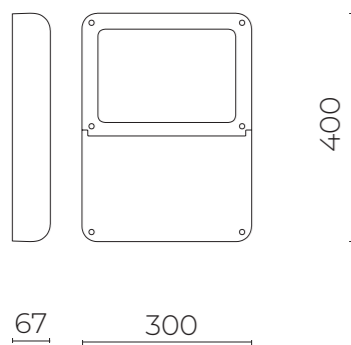
**Levante 2.0**  
Wall



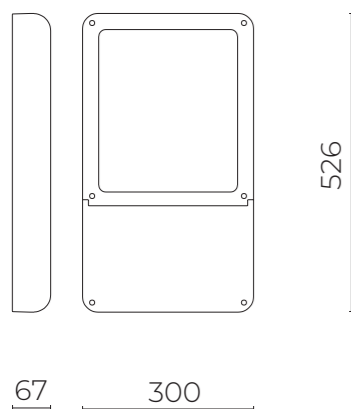
**X-SMALL**



**SMALL**



**MEDIUM**



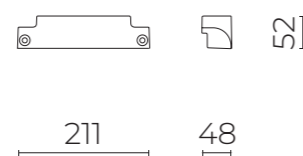
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
parete / wall

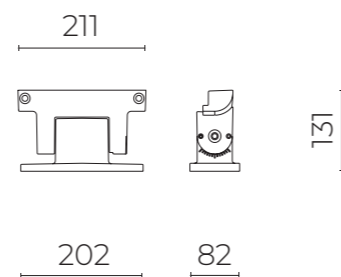
**Orientabilità / Orientability:**  
con giunto inclinazione  $\pm 90^\circ$ , rotazione  $\pm 15^\circ$   
with joint tilt  $\pm 90^\circ$ , rotation  $\pm 15^\circ$

**ACCESSORI / ACCESSORIES**

**06LN900CO**  
**B224 - Staffa fissa**  
Fixed bracket

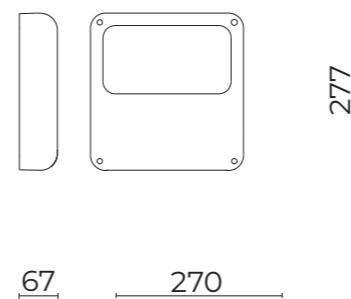


**06LN901CO**  
**B225 - Giunto orientabile**  
Adjustable joint

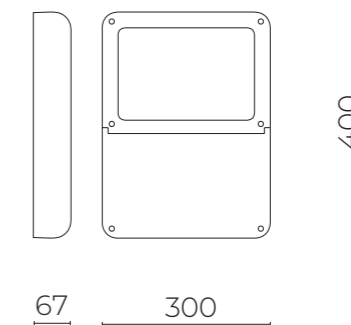


**Levante 2.0**  
Flood

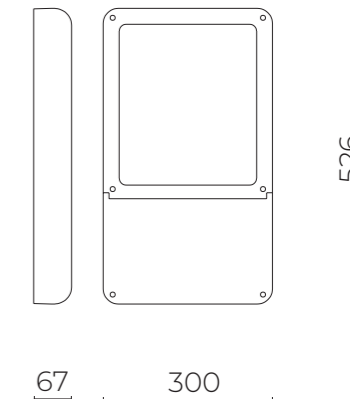
**X-SMALL**



**SMALL**



**MEDIUM**



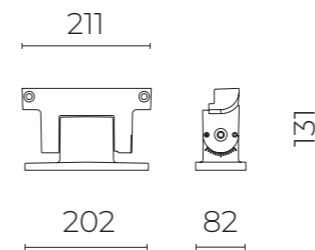
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
soffitto, terra / ceiling, ground

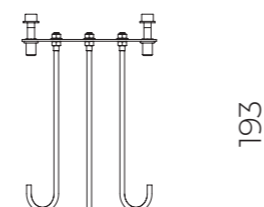
**Orientabilità / Orientability:**  
con giunto inclinazione  $\pm 90^\circ$ , rotazione  $\pm 15^\circ$   
with joint tilt  $\pm 90^\circ$ , rotation  $\pm 15^\circ$

**ACCESSORI / ACCESSORIES**

**06LN901CO**  
**B225 - Giunto orientabile**  
Adjustable joint



**06LT909JO**  
**B118 - Ancore per calcestruzzo**  
Anchor for concrete

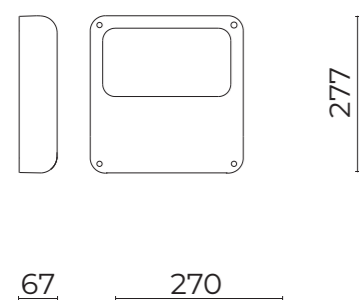


**Levante 2.0**  
Poles

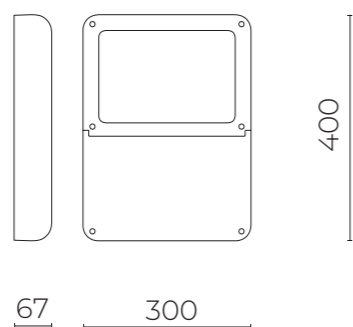
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
palo Ø 60 - 76 - 102 mm  
pole Ø 60 - 76 - 102 mm

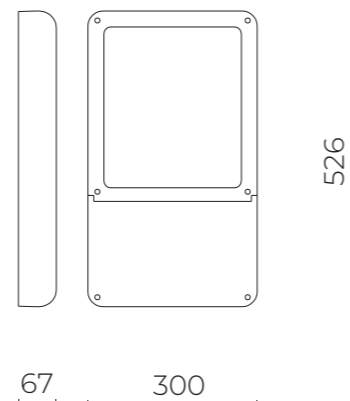
**X-SMALL**



**SMALL**

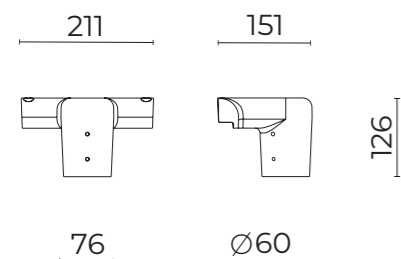


**MEDIUM**



**ACCESSORI / ACCESSORIES**

**06LN910C0**  
B237 - Giunto testa palo, codolo H 90 mm  
Joint post top, fastening part H 90 mm



**Levante 2.0**  
Poles





Levante 2.0

Poles

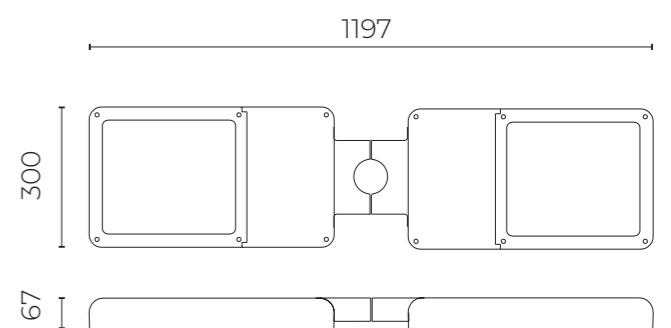
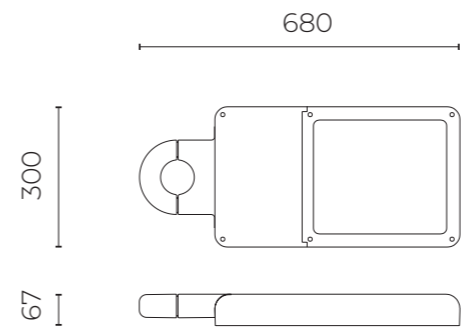
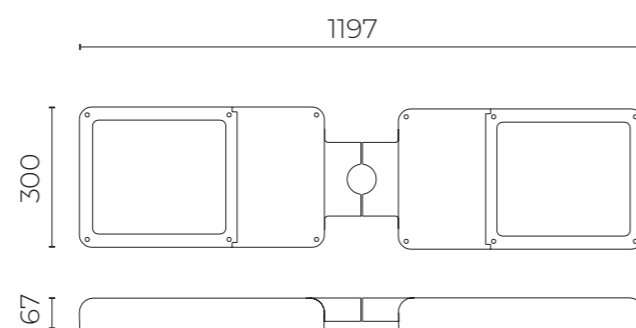
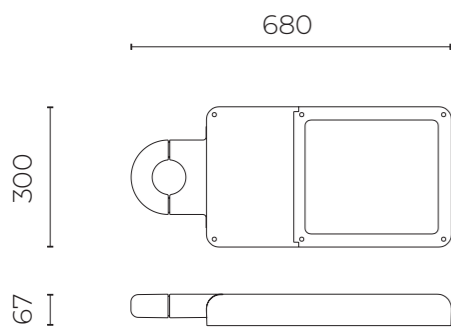
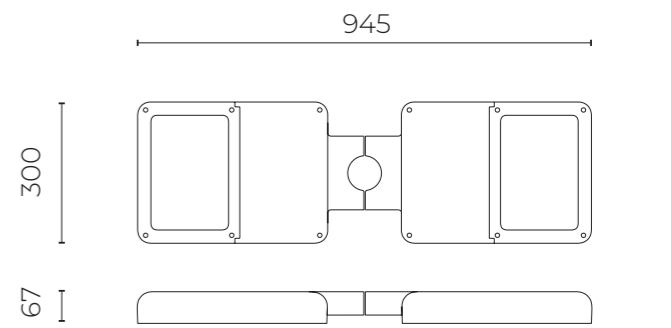
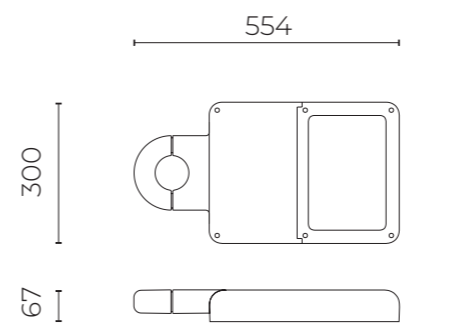
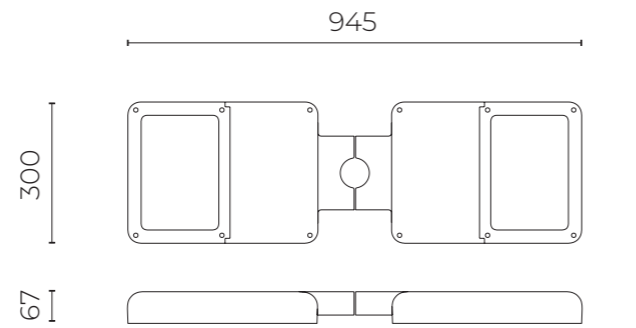
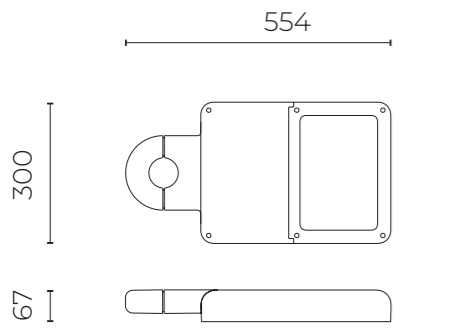
ACCESSORI / ACCESSORIES

**06LN902C0 - Sablè 100 Noir**  
 B226 - Collare singolo per pali Ø 60 mm  
 Single collar for poles Ø 60 mm

**06LN905C0 - Sablè 100 Noir**  
 B229 - Collare doppio per pali Ø 60 mm  
 Double collar for poles Ø 60 mm

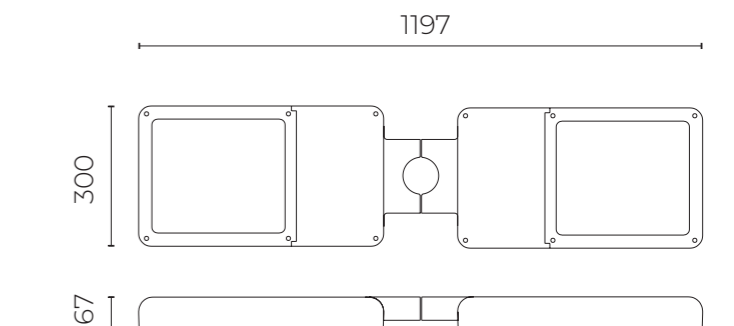
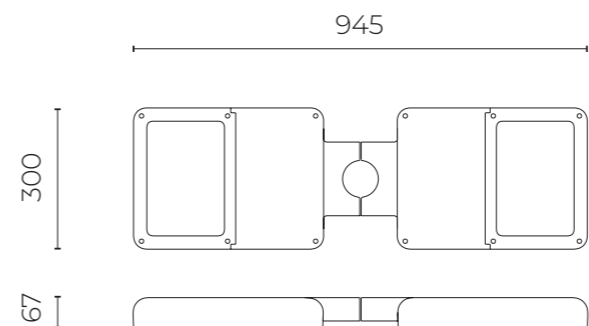
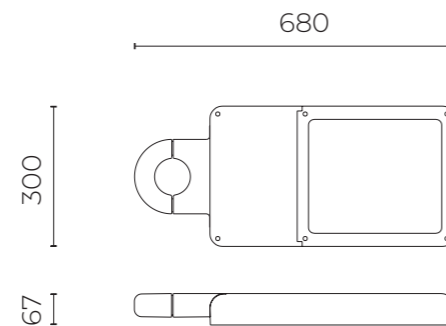
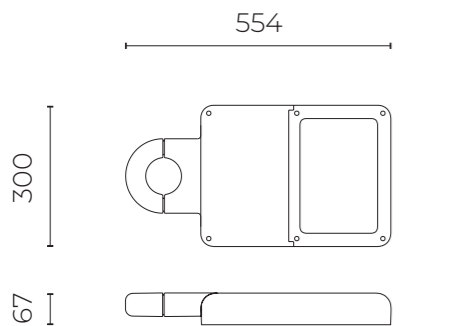
**06LN903C0 - Sablè 100 Noir**  
 B227 - Collare singolo per pali Ø 76 mm  
 Single collar for poles Ø 76 mm

**06LN906C0 - Sablè 100 Noir**  
 B230 - Collare doppio per pali Ø 76 mm  
 Double collar for poles Ø 76 mm



**06LN904C0 - Sablè 100 Noir**  
 B228 - Collare singolo per pali Ø 102 mm  
 Single collar for poles Ø 102 mm

**06LN907C0 - Sablè 100 Noir**  
 B231 - Collare doppio per pali Ø 102 mm  
 Double collar for poles Ø 102 mm



## Levante 2.0

Brackets & poles

### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**

palo Ø 60 - 76 - 102 mm

pole Ø 60 - 76 - 102 mm

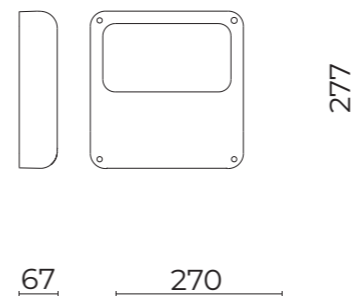
**Orientabilità / Orientability:**

con giunto inclinazione -70° + 90°, rotazione 0° / 180°

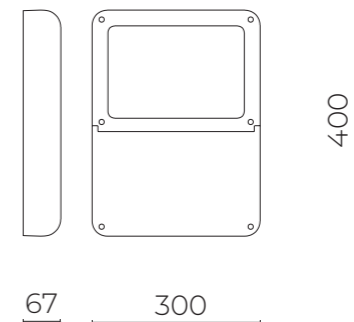
with joint tilt -70° + 90°; rotation 0° / 180°



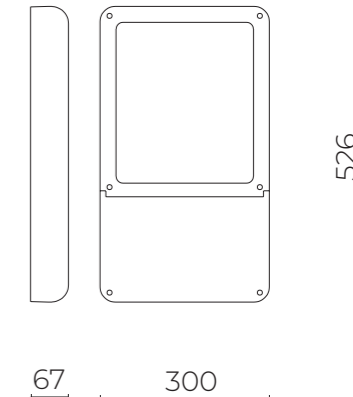
#### X-SMALL



#### SMALL



#### MEDIUM

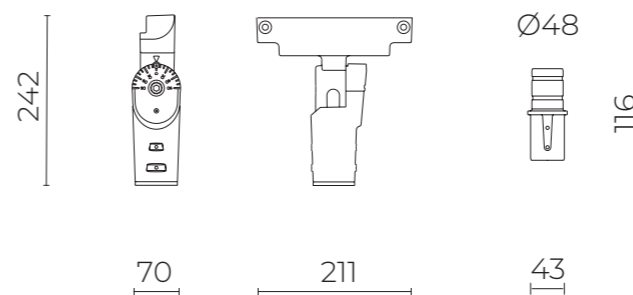


### ACCESSORI / ACCESSORIES

**06LN908C0 - Sablè 100 Noir**

B232 - Giunto orientabile per bracci e pali Ø 60 mm

Adjustable joint for arms and poles Ø 60 mm

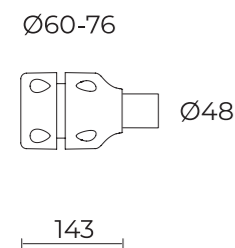


## Levante 2.0

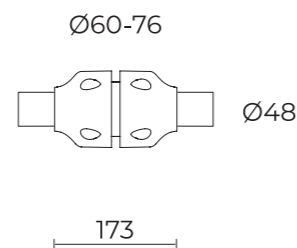
Brackets & poles

### ACCESSORI E BRACCI / ACCESSORIES AND ARMS:

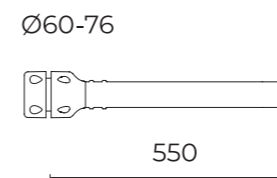
**06AK903C0 - Sablè 100 Noir**  
**L3 - Kit giunto per pali**  
 Joint kit for poles



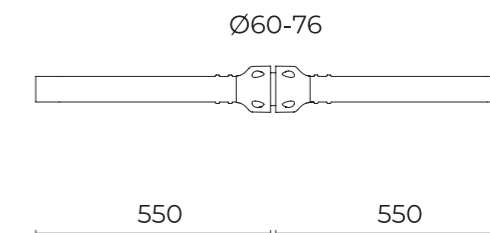
**06AK904C0 - Sablè 100 Noir**  
**L4 - Kit giunto doppio per pali**  
 Double joint kit for poles



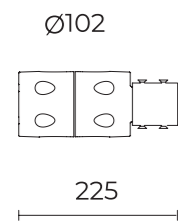
**06AK921C0 - Sablè 100 Noir**  
**B1 - Braccio per pali**  
 Arm for poles



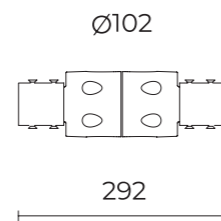
**06AK922C0 - Sablè 100 Noir**  
**B2 - Braccio doppio per pali**  
 Double arm for poles



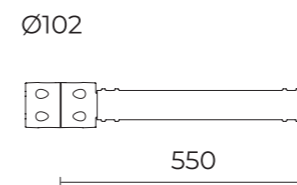
**06AK916C0 - Sablè 100 Noir**  
**B139 - Anello per pali**  
 Ring for poles



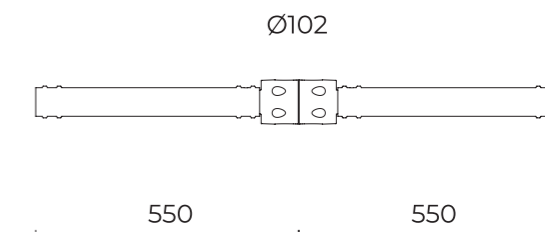
**06AK917C0 - Sablè 100 Noir**  
**B140 - Anello doppio per pali**  
 Double ring for poles



**06AK907C0 - Sablè 100 Noir**  
**B155 - Braccio per pali**  
 Arm for poles



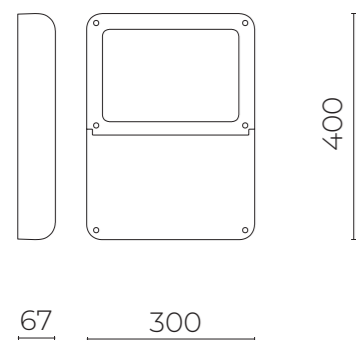
**06AK909C0 - Sablè 100 Noir**  
**B157 - Braccio doppio per pali**  
 Double arm for poles



## Levante 2.0

String suspension

### SMALL



### DATI TECNICI / TECHNICAL DATA

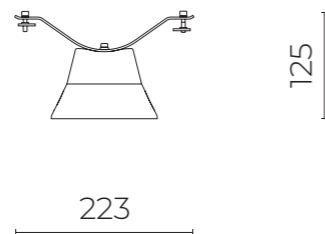
**Installazione / Installation:**  
sospensione tesata / string suspension

**Inclinazione / Inclination:**  
orizzontale  $\pm 15^\circ$  / horizontal  $\pm 15^\circ$

**Orientabilità / Adjustability:**  
 $0^\circ \div 360^\circ$

### ACCESSORI / ACCESSORIES

**06LN909C0**  
**B233 - Kit sospensione su fune tesata  $\varnothing$  6-12 mm**  
Suspension kit for string  $\varnothing$  6-12 mm



## Levante 2.0

String suspension



# KINETIC

Ogni luogo è diverso ed ogni luogo merita la propria luce: KINETIC è una soluzione professionale ed estremamente flessibile che offre nuovi modi di raccontare la città e le sue architetture.

Every place is different and deserves its own light: KINETIC is a professional and extremely flexible solution that offers new ways of telling the story of the city and its architecture.





MONOEMISSION

BIEMISSION

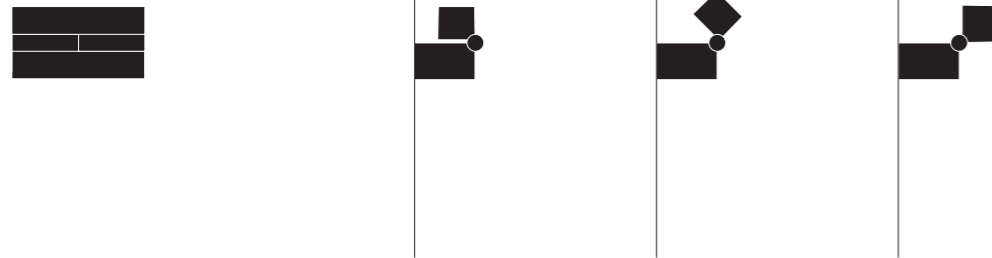
CEILING



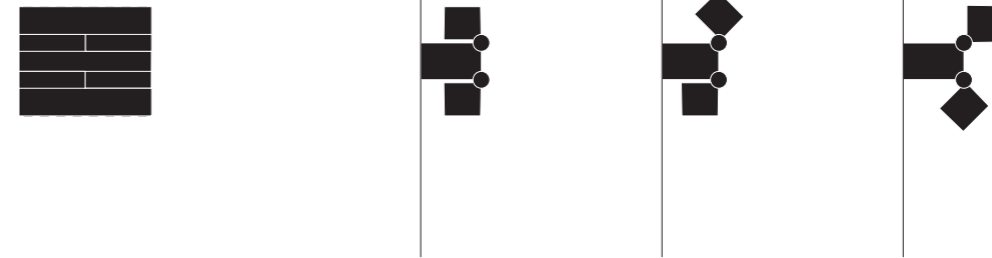
CEILING



WALL



WALL



GROUND



GROUND



220-240V  
24VDC (RGBW / TW)50  
60Hz

CL II

IP65

IK07

ta  
-30°C  
+40°C

## DATI PRESTAZIONALI / PERFORMANCE DATA


**Flusso apparecchio / Fitting flux:**  
440 - 3320 lm

**Potenza apparecchio / Fitting power:**  
18 - 38 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 90, SMCD ≤ 2 (2700 K)  
CRI ≥ 80, SMCD ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI

TEMPERATURA COLORE  
COLOUR TEMPERATURE

-  2200 K
-  2700 K
-  3000 K
-  4000 K
-  RGB+W 3000 K
-  TUNABLE WHITE 2200 K ÷ 4000 K

## MATERIALI / MATERIALS




**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
PMMA high transparent lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

## COLORI / COLOURS

-  SABLÉ 100 NOIR
-  CORTEN
-  RAL9003



## CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
5 kg (mono-emissione), 6,5 kg (bi-emissione)  
5 kg (mono-emission), 6,5 kg (bi-emission)

**Alimentazione elettronica / Electronic power supply:**  
inclusa (versioni ON-OFF, DALI), esclusa (versioni RGBW,  
TW) / internal (ON-OFF, DALI versions), external (RGBW, TW  
versions)

**Installazione / Installation:**  
parete, soffitto, terra. Disponibile su richiesta distanziale per  
ingresso cavo laterale / wall, ceiling, ground. A space for side  
access power cable is available on request

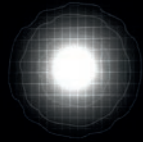
**Fissaggio / Fixing system:**  
con tasselli  
with plugs



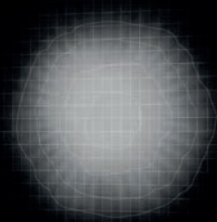
OTTICHE / OPTICS

PROJECTION LIGHT

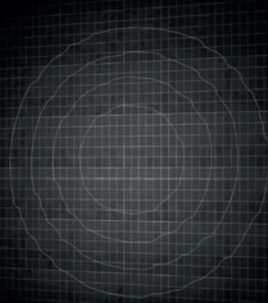
M 18" Medium Beam



D 40° Wide Beam

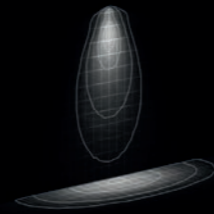


U-D 70° Diffused Beam

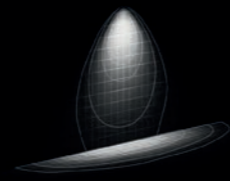


GRAZING LIGHTING

18° Medium Beam



30°x 18° Medium Beam

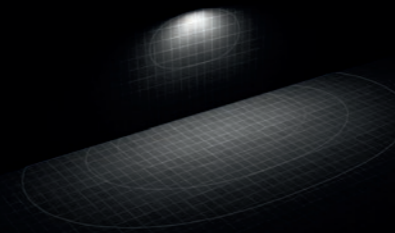


60°x 18° Wide Beam

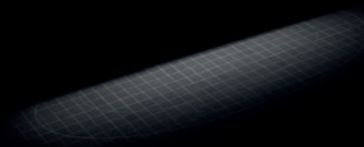


ASYMMETRICAL LIGHTING

AS-D 90°x 45° Asymmetric Beam



E 12°x50° Ellipsoidal Beam



\* Le ottiche sono combinabili per le versioni bi-emissione.

\* The optics are combinable for bi-emission versions.

### Kinetic Wall

#### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
parete / wall

**Inclinazione / Inclination:**  
-5° ÷ +165°



### Kinetic Ceiling



#### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
soffitto / ceiling

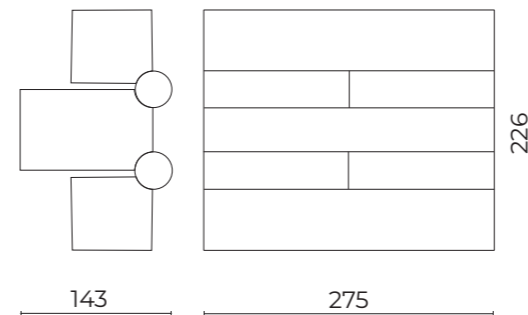
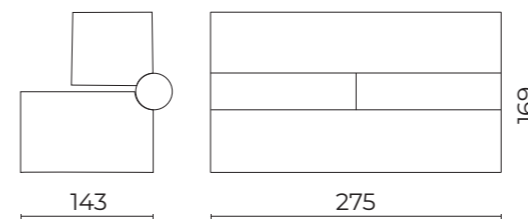
**Inclinazione / Inclination:**  
-5° ÷ +165°

### Kinetic Flood

#### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
terra / ground

**Inclinazione / Inclination:**  
-5° ÷ +165°



# CUBE

CUBE è un prodotto compatto, ideale per l'illuminazione d'accento e diffusa di facciate, portici e ingressi agli edifici. Può essere utilizzato all'esterno e in ambienti interni particolarmente umidi.

CUBE is a compact product, ideal for accent and diffuse lighting of facades, porticos and building entrances. It can be used outdoors and in particularly damp indoor environments.



OMEGNA  
Italy



220 240V	50 60Hz	CL I	IP65	IK06	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
390 - 1120 lm

**Potenza apparecchio** / Fitting power:  
7 - 16 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  3000 K
-  4000 K

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
1,5 kg (small), 3 kg (medium)

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Installazione** / Installation:  
parete, soffitto, terra  
wall, ceiling, ground

**Fissaggio** / Fixing system:  
staffa fissa o regolabile  
fixed or adjustable bracket

#### MATERIALI / MATERIALS


**Corpo** / Body:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

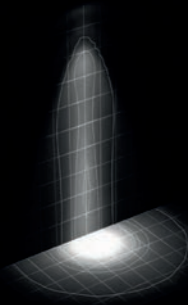
#### COLORI / COLOURS

-  SABLÉ 100 NOIR
-  RAL9006
-  RAL9003

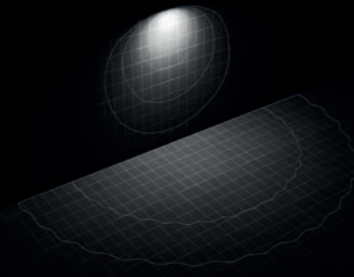


OTTICHE / OPTICS

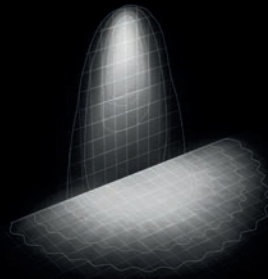
C 8° Narrow Beam



U-D 80° Diffused Beam

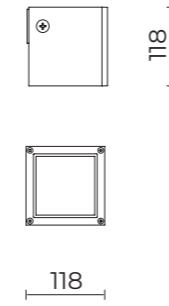


D 40° Wide Beam

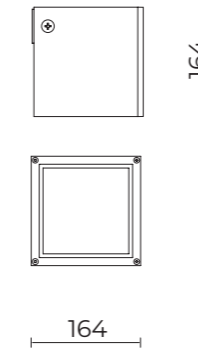


**Cube**  
Parete / Wall

SMALL

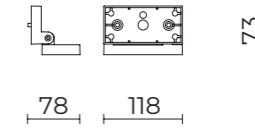


MEDIUM

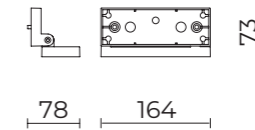


ACCESSORI / ACCESSORIES

06LC1901A - RAL9006  
06LC1901C - Sablé 100  
06LC1901D - RAL9003  
**Snodo per fissaggio a parete Cube small**  
Joint for wall-mounting Cube small



06LC2901A - RAL9006  
06LC2901C - Sablé 100  
06LC2901D - RAL9003  
**Snodo per fissaggio a parete Cube medium**  
Joint for wall-mounting Cube medium

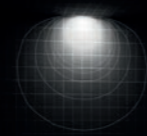


OTTICHE / OPTICS

C 8° Narrow Beam



U-D 80° Diffused Beam



D 40° Wide Beam

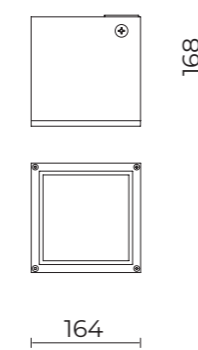
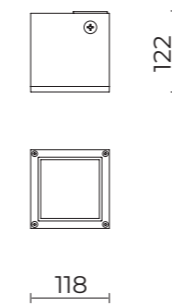


**Cube**  
Soffitto / Ceiling



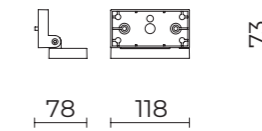
SMALL

MEDIUM

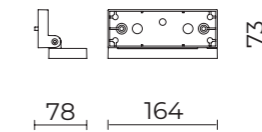


ACCESSORI / ACCESSORIES

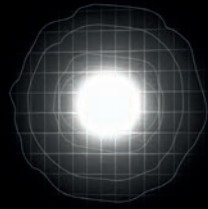
06LC1901A - RAL9006  
06LC1901C - Sablé 100  
06LC1901D - RAL9003  
**Snodo per fissaggio a parete Cube small**  
Joint for wall-mounting Cube small



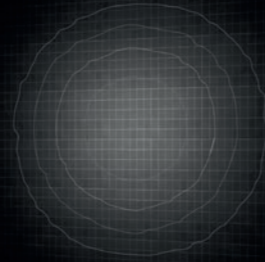
06LC2901A - RAL9006  
06LC2901C - Sablé 100  
06LC2901D - RAL9003  
**Snodo per fissaggio a parete Cube medium**  
Joint for wall-mounting Cube medium



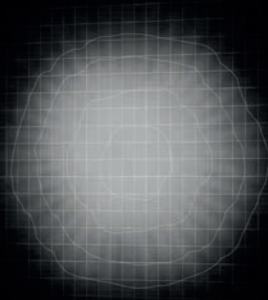
C 8° Narrow Beam



U-D 80° Diffused Beam

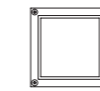


D 40° Wide Beam



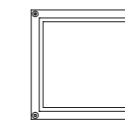
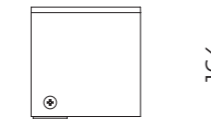
**Cube**  
Terra / Ground

SMALL



118

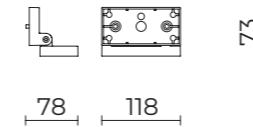
MEDIUM



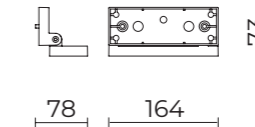
164

**ACCESSORI / ACCESSORIES**

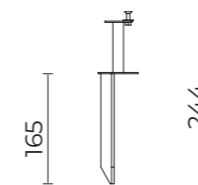
**06LC1901A - RAL9006**  
**06LC1901C - Sablé 100**  
**06LC1901D - RAL9003**  
**Snodo per fissaggio a parete Cube small**  
 Joint for wall-mounting Cube small



**06LC2901A - RAL9006**  
**06LC2901C - Sablé 100**  
**06LC2901D - RAL9003**  
**Snodo per fissaggio a parete Cube medium**  
 Joint for wall-mounting Cube medium



**06LC900C0 - Sablé 100 (Cube small)**  
**06LC901C0 - Sablé 100 (Cube medium)**  
**Picchetto per interrimento**  
 Spike for ground installation



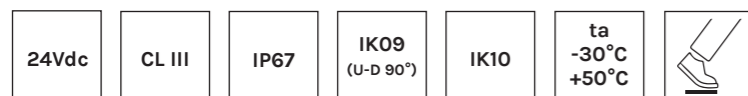


# CHARA

CHARA è un prodotto da incasso dalle dimensioni compatte, ideale per l'illuminazione d'accento di facciate e di ambienti interni particolarmente umidi.

CHARA is a compact recessed fitting, ideal for accent lighting of facades and particularly damp interiors.





#### DATI PRESTAZIONALI / PERFORMANCE DATA




**Flusso apparecchio** / Fitting flux:  
67 - 295 lm

**Potenza apparecchio** / Fitting power:  
0,6 - 3,2 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI su richiesta / DALI on request

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  2700 K
-  3000 K
-  4000 K

#### MATERIALI / MATERIALS

**Corpo** / Body:  
acciaio INOX AISI 316L micropallinato con finitura  
sabbata / micro-shot peened stainless steel INOX AISI  
316L with sandblasted finish

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
cornice INOX AISI 316L con finitura sabbata  
e micropallinata con sfere di vetro / AISI 316L stainless  
steel frame with sandblasted and micro-shot glass-  
sphere peened finish

#### COLORI / COLOURS

-  INOX AISI 316L

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
0,4 kg

**Alimentazione elettronica** / Electronic power supply:  
esterna, da ordinare separatamente  
external, to be ordered separately

**Precablaggio** / Pre-wiring:  
prodotto pre-cablato, lunghezza cavo 1 m  
pre-wired product, cable length of 1 m

**Installazione** / Installation:  
terra (calpestabile), pavimento flottante, parete,  
controsoffitto / ground (walk over), floating floor,  
wall, false ceiling

**Fissaggio** / Fixing system:  
con controcassa in materiale plastico (versione incasso  
calpestabile, parete), con molle (versione incasso soffitto)  
with plastic housing (walk over, wall recessed versions),  
with steel springs (ceiling-recessed version)



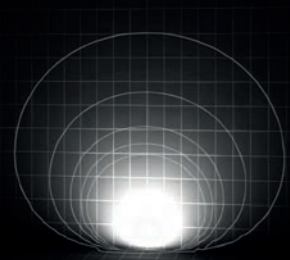
OTTICHE / OPTICS

C 8° Narrow Beam

M 25° Medium Beam

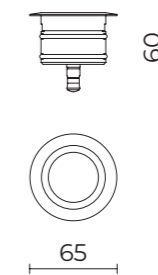


U-D 90° Diffused Beam



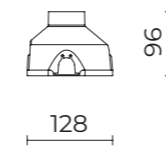
Chara

Incasso calpestabile  
Walk over recessed

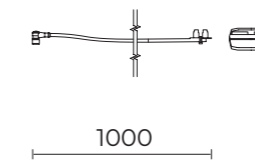


ACCESSORI / ACCESSORIES

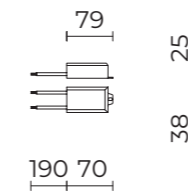
**06CH901B0**  
**B130 - Controcassa**  
**parete e calpestabile**  
Walk over and wall  
recessed housing



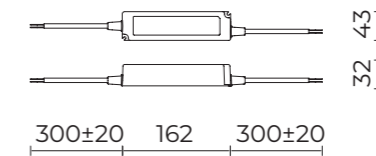
**06CH906X0**  
**B198 - Kit entra-esce cavo 1 m**  
**24V ~ con muffola / Kit in-out**  
cable 1 m 24V ~ with junction box



**06CH903X0**  
**B147 - Driver elettronico**  
**10W 24V IP67**  
Electronic driver  
10W 24V IP67



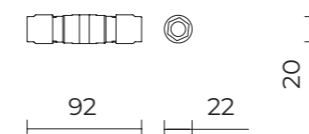
**06CH904X0**  
**B148 - Driver elettronico**  
**60W 24V IP67**  
Electronic driver  
60W 24V IP67



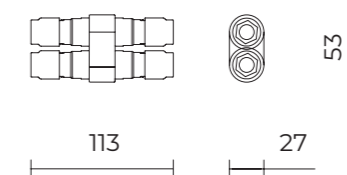
**06LL914AB0**  
**Driver elettronico DALI**  
**150W 24V IP67**  
DALI electronic driver  
150W 24V IP67



**06KS918C0**  
**B137 - Connettore 2 vie IP68**  
2-way connector IP68



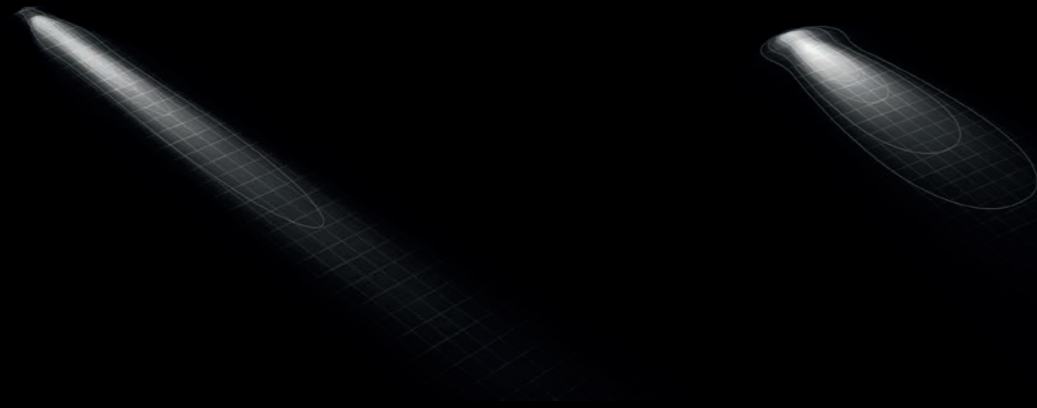
**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
4-way connector IP68



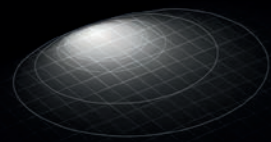
OTTICHE / OPTICS

C 8° Narrow Beam

M 25° Medium Beam

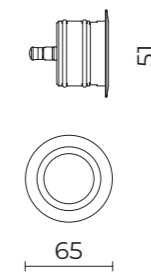


U-D 90° Diffused Beam



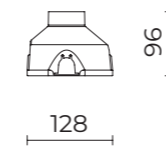
Chara

Incasso parete  
Wall recessed

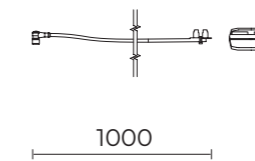


ACCESSORI / ACCESSORIES

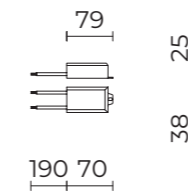
**06CH901B0**  
**B130 - Controcassa**  
**parete e calpestabile**  
Walk over and wall  
recessed housing



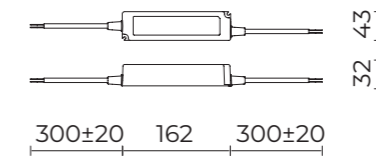
**06CH906X0**  
**B198 - Kit entra-esce cavo 1 m**  
**24V ~ con muffola / Kit in-out**  
cable 1 m 24V ~ with junction box



**06CH903X0**  
**B147 - Driver elettronico**  
**10W 24V IP67**  
Electronic driver  
10W 24V IP67



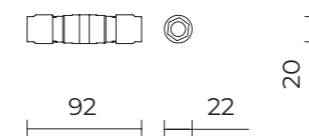
**06CH904X0**  
**B148 - Driver elettronico**  
**60W 24V IP67**  
Electronic driver  
60W 24V IP67



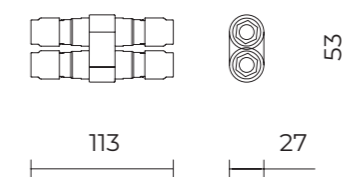
**06LL914AB0**  
**Driver elettronico**  
**DALI 150W 24V IP67**  
DALI electronic driver  
150W 24V IP67



**06KS918C0**  
**B137 - Connettore 2 vie IP68**  
2-way connector IP68



**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
4-way connector IP68

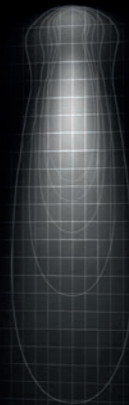


OTTICHE / OPTICS

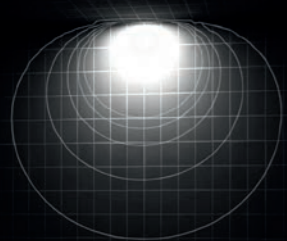
C 8° Narrow Beam



M 25° Medium Beam

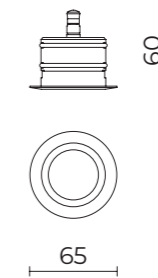


U-D 90° Diffused Beam



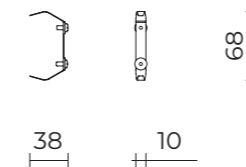
Chara

Incasso soffitto  
Ceiling recessed

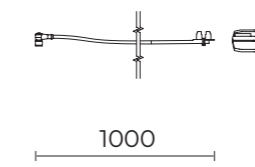


ACCESSORI / ACCESSORIES

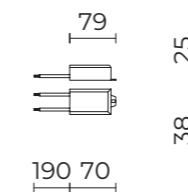
**06CH902XX0**  
**B131 - Molle**  
Springs



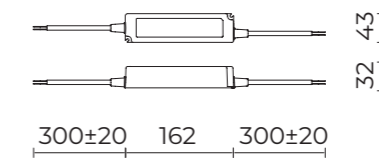
**06CH906X0**  
**B198 - Kit entra-esce cavo 1 m**  
**24V ~ con muffola / Kit in-out**  
cable 1 m 24V ~ with junction box



**06CH903X0**  
**B147 - Driver elettronico**  
**10W 24V IP67**  
Electronic driver  
10W 24V IP67



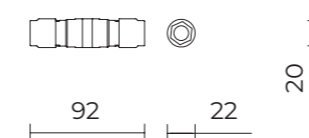
**06CH904X0**  
**B148 - Driver elettronico**  
**60W 24V IP67**  
Electronic driver  
60W 24V IP67



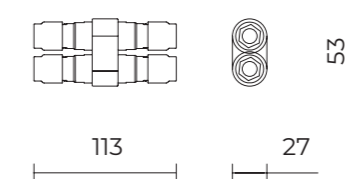
**06LL914AB0**  
**Driver elettronico DALI**  
**150W 24V IP67**  
DALI electronic driver  
150W 24V IP67



**06KS918C0**  
**B137 - Connettore 2 vie IP68**  
2-way connector IP68



**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
4-way connector IP68



# GRACE

GRACE è la soluzione, compatta ed elegante,  
per l'illuminazione radente di aree  
e percorsi pedonali.

GRACE is a compact and elegant solution for  
grazing light in pedestrian areas and pathways.





#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
105 - 340 lm

**Potenza apparecchio** / Fitting power:  
2 - 5 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI su richiesta / DALI on request

#### MATERIALI / MATERIALS

**Corpo** / Body:  
acciaio AISI 316L micropallinato con finitura sabbata  
micro-shot peened stainless steel AISI 316L  
with sanded finish

**Gruppo ottico** / Optical unit:  
lente TIR (Total Internal Reflection) realizzata in Ultra-Clear LSR (Liquid Silicone Rubber)  
TIR (Total Internal Reflection) lense made from Ultra-Clear LSR (Liquid Silicone Rubber)

**Finitura** / Finish:  
AISI 316L con finitura sabbata e micropallinata con sfere di vetro / AISI 316L stainless steel with sandblasted and micro-shot glass-sphere peened finish

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  3000 K
-  4000 K

#### COLORI / COLOURS

-  INOX AISI 316L

#### CARATTERISTICHE / FEATURES

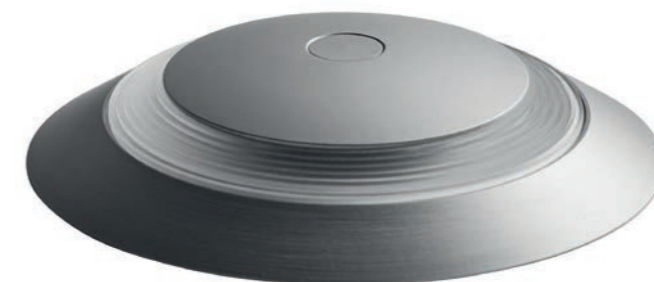
**Peso massimo** / Max weight:  
1 kg

**Alimentazione elettronica** / Electronic power supply:  
esterna, da ordinare separatamente  
external, to be ordered separately

**Precablaggio** / Pre-wiring:  
incluso / included

**Fissaggio** / Fastening:  
controcassa in materiale plastico da murare a pavimento (versione carrabile), con piastra in acciaio per fissaggio a terra o pavimento (versione calpestabile)  
with recessed housing in plastic material to be buried in the floor (drive over version); with steel plate for ground or floor mounting (walk over version)

**Installazione** / Installation:  
terra / ground





LOHJA  
Finland

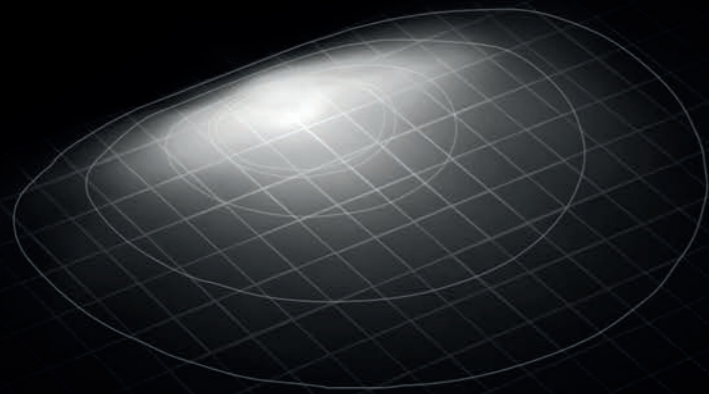
NERVI  
Italy



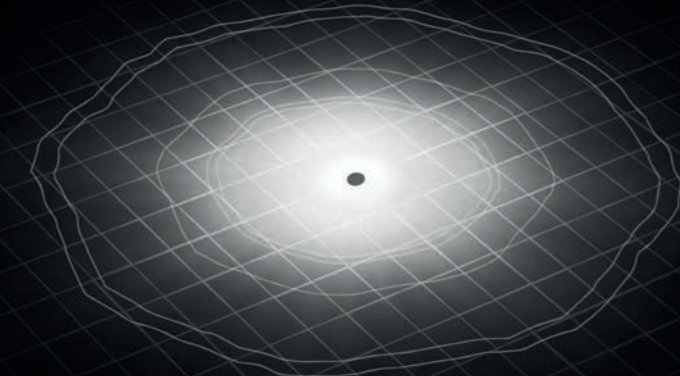


OTTICHE / OPTICS

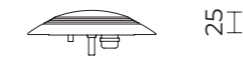
AS-D 180° Asymmetric Diffused Beam



RS-D 360° Rotosymmetric Diffused Beam

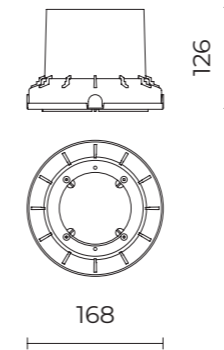


Grace

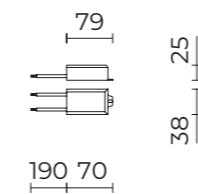


ACCESSORI / ACCESSORIES

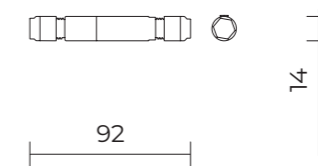
**06GC901B0**  
**B129 - Controcassa carrabile**  
 Drive over recessed housing



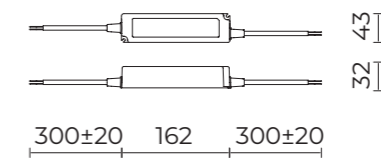
**06CH903X0**  
**B147 - Driver elettronico**  
**10W 24V IP67**  
 Electronic driver  
 10W 24V IP67



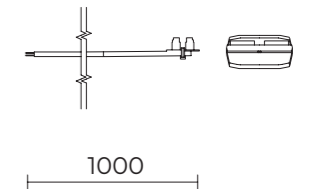
**06GC902X0**  
**B165 - Connettore 2 IP68 2-pole**  
 connector IP68



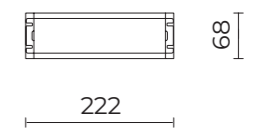
**06CH904X0**  
**B148 - Driver elettronico**  
**60W 24V IP67**  
 Electronic driver  
 60W 24V IP67



**06AK958X0**  
**M3 - Kit entra-esca cavo 2x0,75**  
 Kit in-out cable 2x0,75



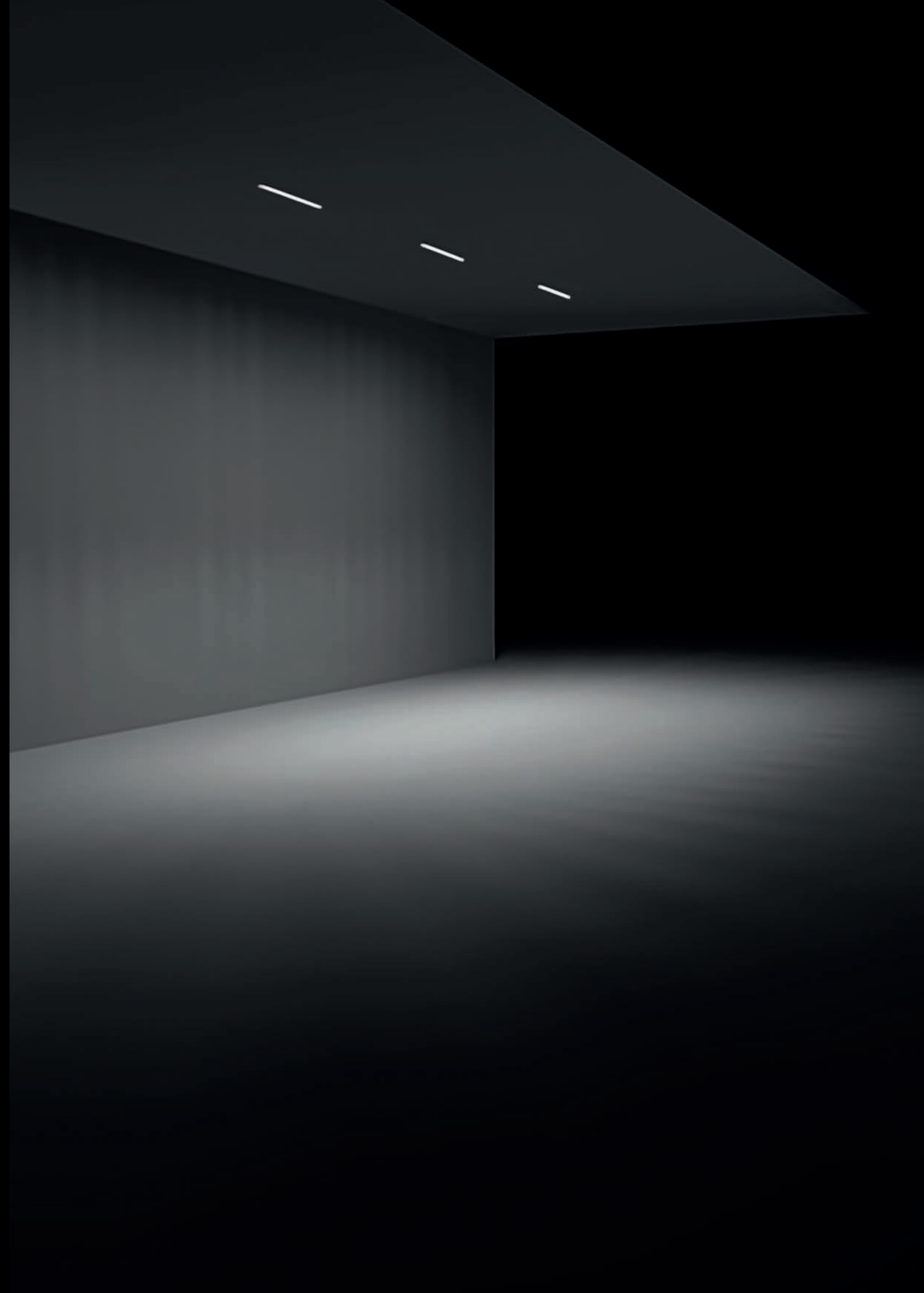
**06LL914AB0**  
**Driver elettronico DALI**  
**150W 24V IP67**  
 DALI electronic driver  
 150W 24V IP67



# TRAIL

TRAIL è la soluzione ideale per l'illuminazione lineare outdoor e indoor di tutti quei luoghi dove è necessaria qualità della luce, affidabilità ed efficienza energetica.

TRAIL is the ideal solution for indoor and outdoor linear lighting wherever light quality, reliability and energy efficiency are required.





SPALATO  
Croatia

OLBIA  
Italy



**DATI PRESTAZIONALI / PERFORMANCE DATA**

**Flusso apparecchio / Fitting flux:**  
795 - 7530 lm

**Potenza apparecchio / Fitting power:**  
7,2 - 57,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI su richiesta / DALI on request

**MATERIALI / MATERIALS**

**Corpo / Body:**  
estruso in lega di alluminio anodizzato  
extruded anodised aluminium alloy

**Sistemi di fissaggio / Fitting system:**  
testate di chiusura e accessori di fissaggio in  
pressofusione in lega di alluminio UNI EN AB 47100  
(contenuto di rame < 1%) / closing heads and fastening  
accessories made of die-cast aluminium alloy  
UNI EN AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
PMMA high transparent lenses

**Finitura / Finish:**  
anodizzazione / anodization

**TEMPERATURA COLORE  
COLOUR TEMPERATURE**

- 3000 K
- 4000 K

**COLORI / COLOURS**

- ALLUMINIO ANODIZZATO  
NATURALE / NATURAL  
ANODIZED ALUMINIUM

**CARATTERISTICHE / FEATURES**

**Peso massimo / Max weight:**  
3 kg (650 mm), 6 kg (1250 mm), 10 kg (2500 mm)

**Alimentazione elettronica / Electronic power supply:**  
remota, da ordinare separatamente  
remote, to be ordered separately

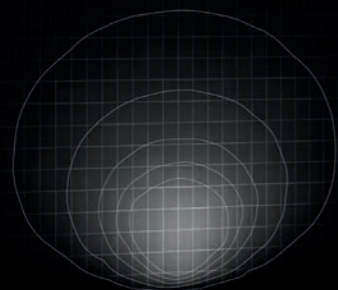
**Precablaggio / Pre-wiring:**  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

**Installazione / Installation:**  
incasso soffitto, soffitto, incasso calpestabile,  
incasso parete, parete, linea continua  
recessed ceiling, ceiling, walkable recessed,  
wall recessed, wall, continuous line

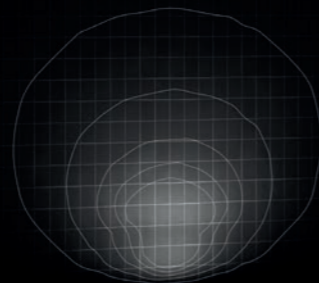


OTTICHE / OPTICS

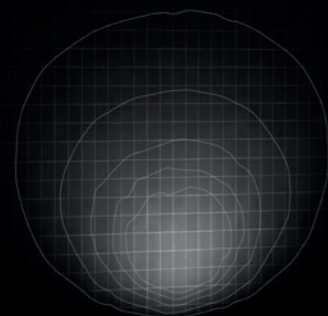
U-D 80° / 100° Diffused Beam



S 75° / 95° Ultra-Wide Beam

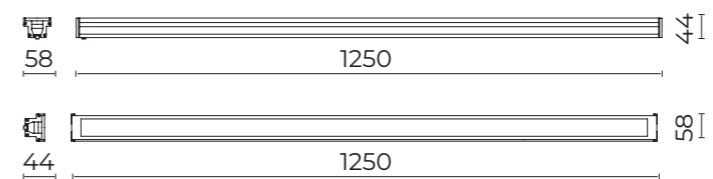
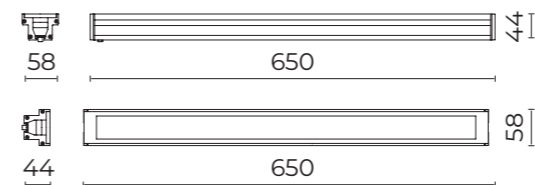


AS  $\alpha=13^\circ$  30° / 75° Asymmetric Beam



Trail

Incasso calpestabile / Walk over recessed



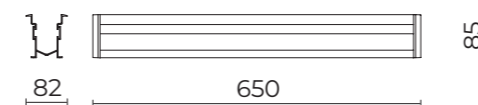


## Trail

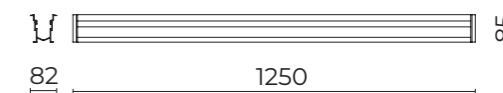
Incasso calpestabile / Walk over recessed

### ACCESSORI / ACCESSORIES

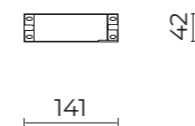
**06TR998J0**  
**Controcassa Trail 650**  
Recessed housing Trail 650



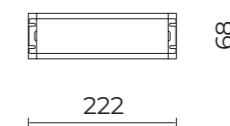
**06TR999J0**  
**Controcassa Trail 1250**  
Recessed housing Trail 1250



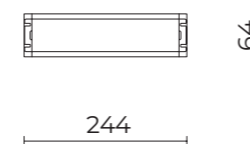
**06TA902X0**  
**Driver elettronico 60W 24V IP66**  
Electronic driver 60W 24V IP66



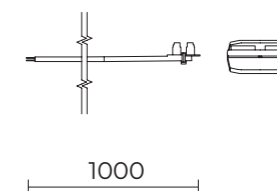
**06LL914AB0**  
**Driver elettronico DALI 150W 24V IP67**  
DALI electronic driver 150W 24V IP67



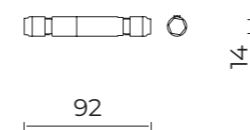
**06LL915AB0**  
**Driver elettronico 240W 24V IP67**  
Electronic driver 240W 24V IP67



**06AK958X0**  
**M3 - Kit entra-esci cavo 2x0,75**  
Kit in-out cable 2x0,75

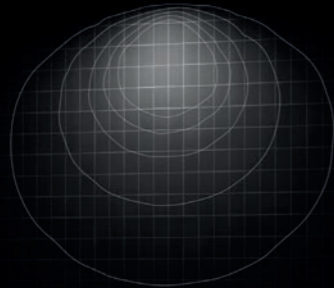


**06GC902X0**  
**B165 - Connettore 2 poli IP68**  
2-pole connector IP68

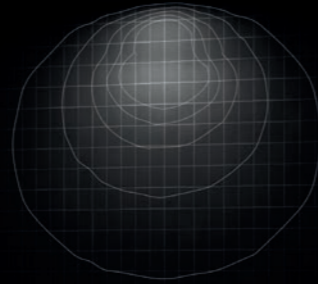


OTTICHE / OPTICS

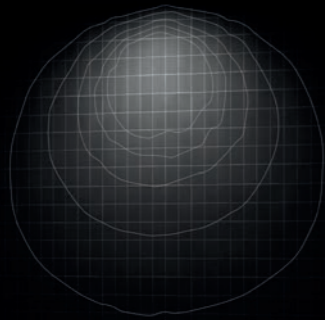
U-D 80° / 100° Diffused Beam



S 75° / 95° Ultra-Wide Beam

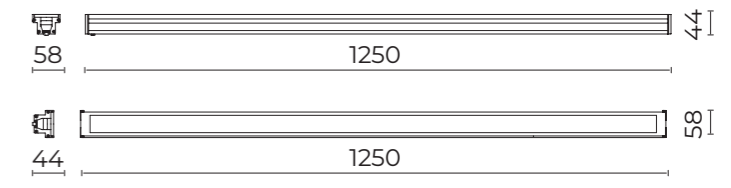
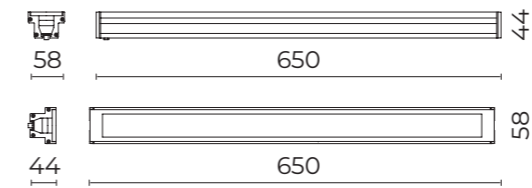


AS α=13° 30° / 75° Asymmetric Beam



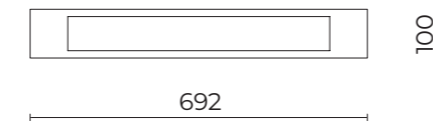
Trail

Incasso soffitto / Ceiling-recessed

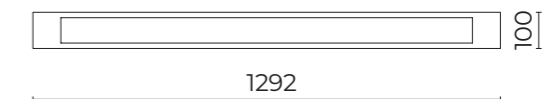


ACCESSORI / ACCESSORIES

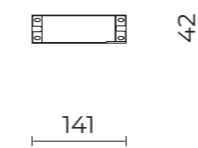
**06TR988A0**  
Kit incasso a plafone Trail 650  
Recessed ceiling kit Trail 650



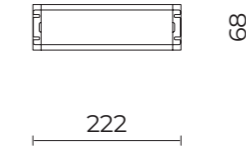
**06TR989A0**  
Kit incasso a plafone Trail 1250  
Recessed ceiling kit Trail 1250



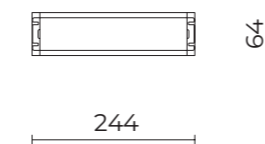
**06TA902X0**  
Driver elettronico 60W 24V IP66  
Electronic driver 60W 24V IP66



**06LL914AB0**  
Driver elettronico DALI 150W 24V IP67  
DALI electronic driver 150W 24V IP67



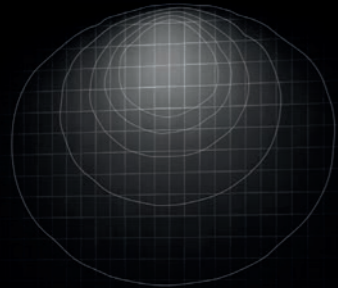
**06LL915AB0**  
Driver elettronico 240W 24V IP67  
Electronic driver 240W 24V IP67



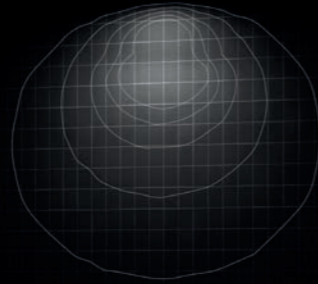
Trail

OTTICHE / OPTICS

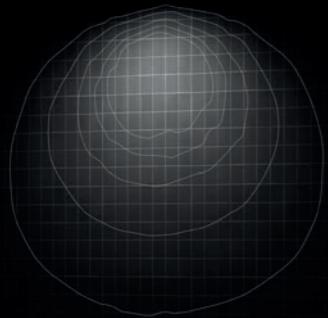
U-D 80° / 100° Diffused Beam



S 75° / 95° Ultra-Wide Beam

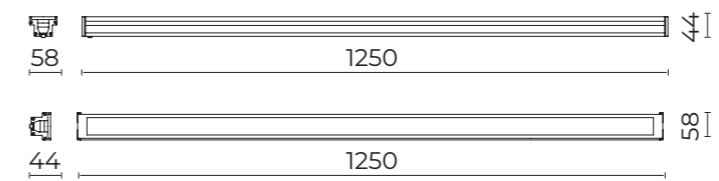
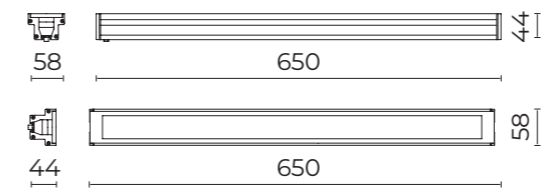
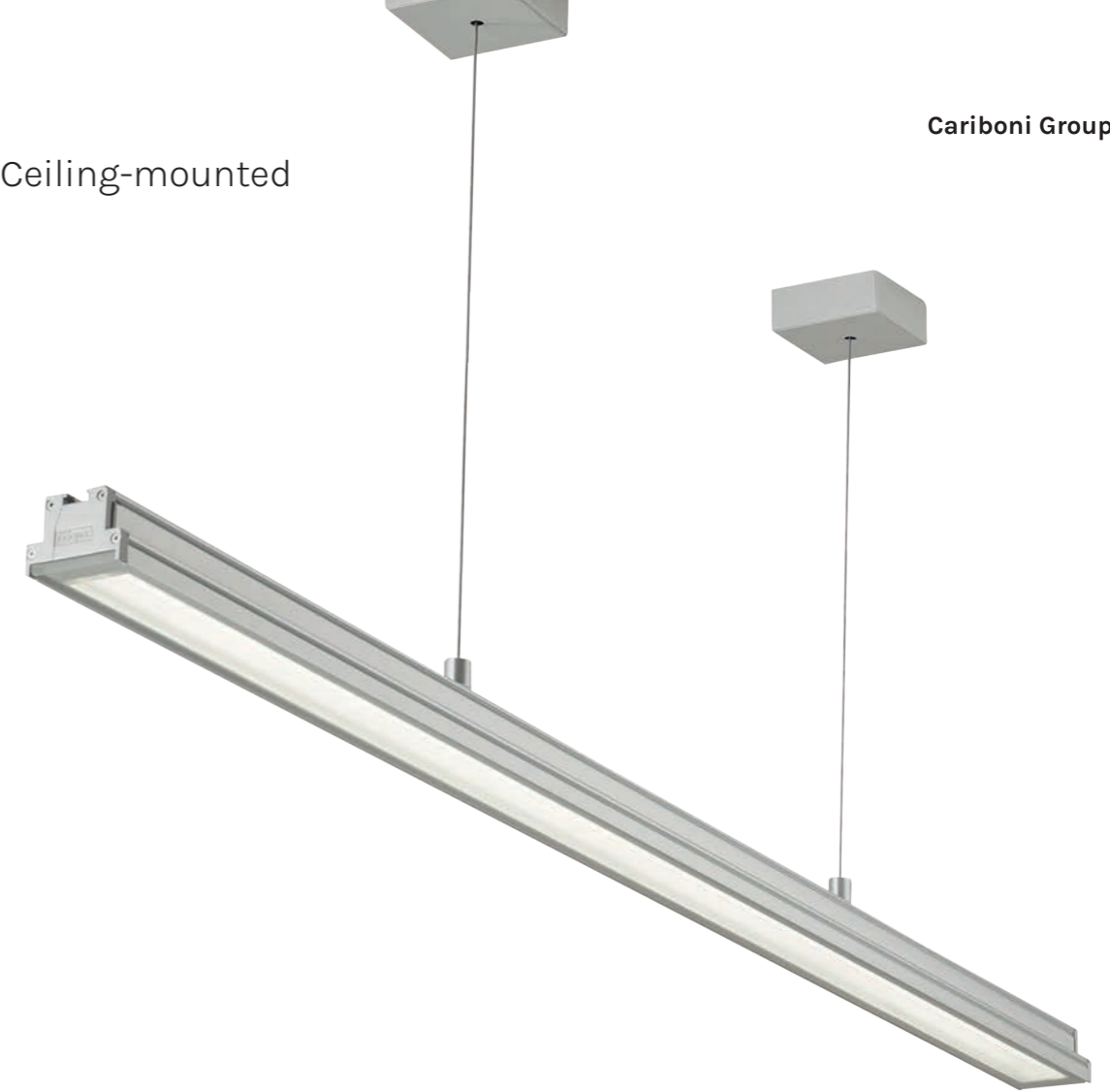


AS α=13° 30° / 75° Asymmetric Beam



Trail  
Soffitto / Ceiling-mounted

Cariboni Group





## Trail

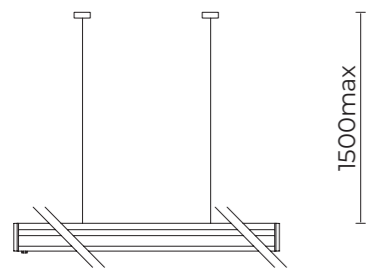
Soffitto / Ceiling-mounted

## ACCESSORI / ACCESSORIES

## 06TR986A0

## Sistema sospensione Trail a soffitto driver remoto

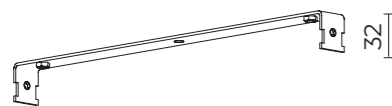
Trail ceiling suspension system remote driver



## 06TR987A0 - RAL9006

## Staffe fissaggio Trail plafone driver remoto

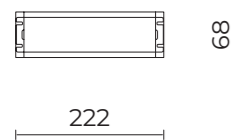
Trail ceiling mounting brackets remote driver



## 06LL914A0

## Driver elettronico 150W 24V IP67

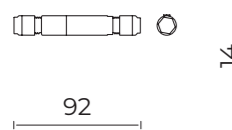
Electronic driver 150W 24V IP67



## 06GC902X0

## B165 - Connettore 2 poli IP68

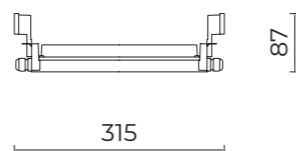
2-pole connector IP68



## 06OT988A0

## Box cablato Trail per attacco a parete o a soffitto

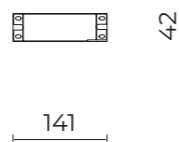
IP65 CL II / Wired box Trail for wall or ceiling attachment IP65 CL II



## 06TA902X0

## Driver elettronico 60W 24V IP66

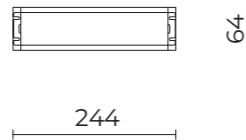
Electronic driver 60W 24V IP66



## 06LL915A0

## Driver elettronico DALI 150W 24V IP67

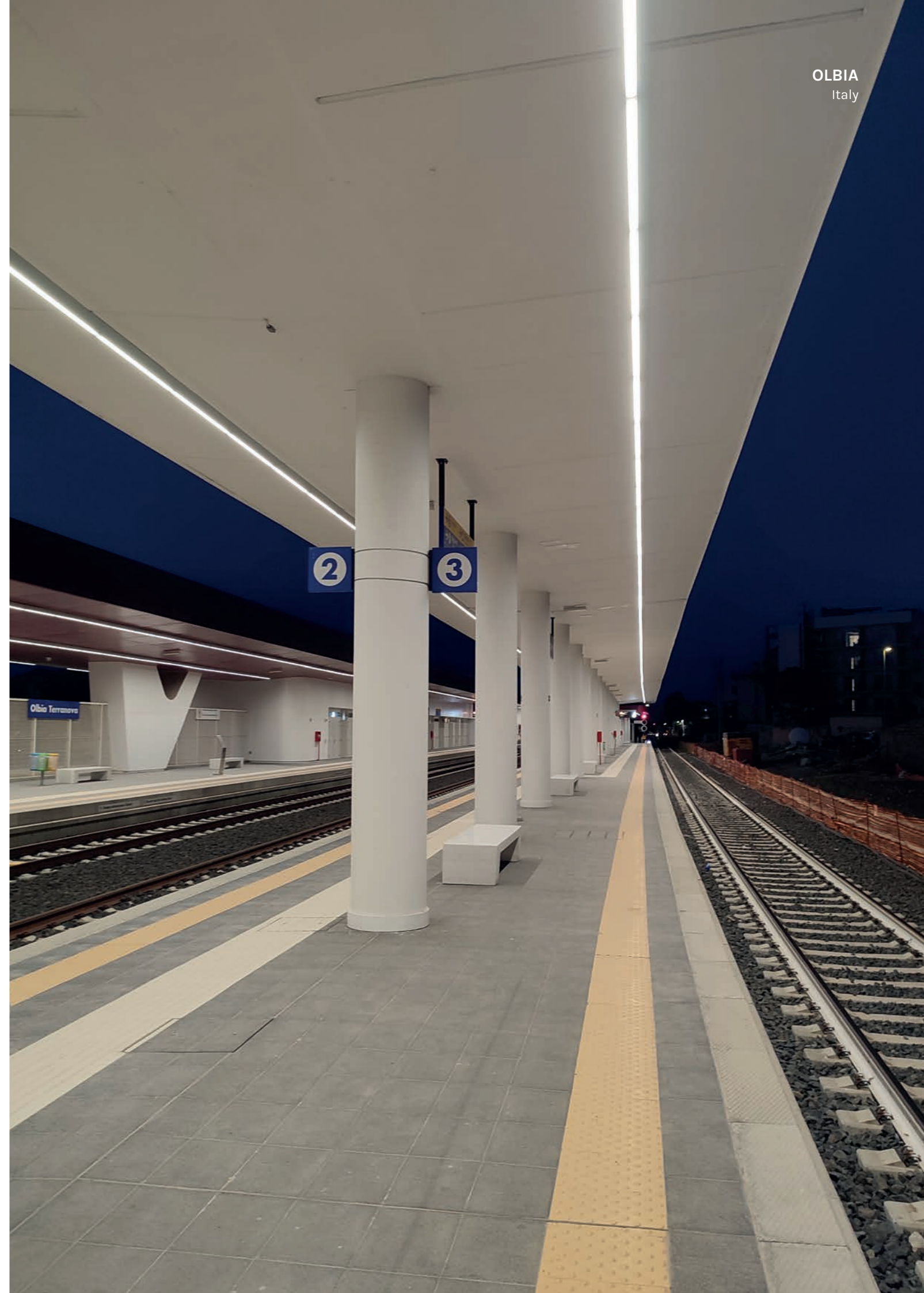
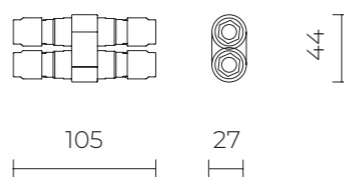
DALI electronic driver 150W 24V IP67



## 06TR977X0

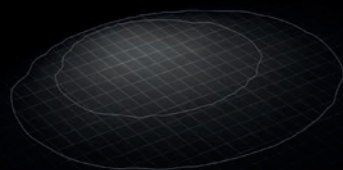
## B220 - Connettore 4 vie IP68

4-way connector IP68

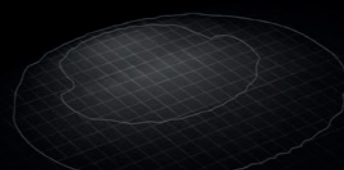


OTTICHE / OPTICS

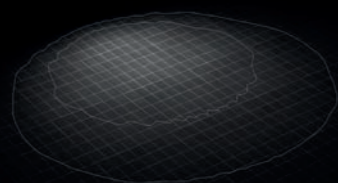
U-D 80° / 100° Diffused Beam



S 75° / 95° Ultra-Wide Beam

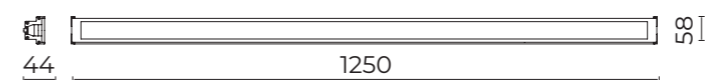
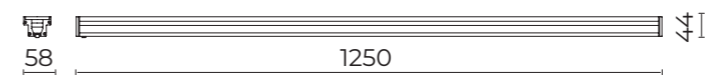
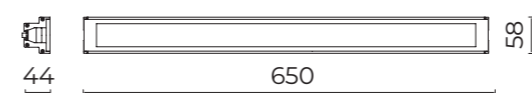
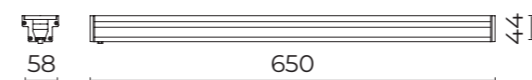


AS α=13° 30° / 75° Asymmetric Beam



Trail

Incasso parete / Wall-recessed



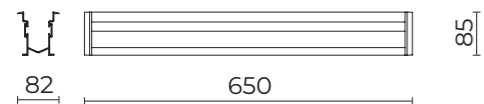
## Trail

### Trail

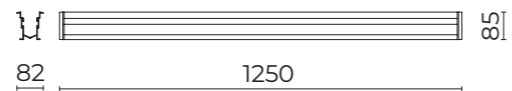
Incasso parete / Wall-recessed

#### ACCESSORI / ACCESSORIES

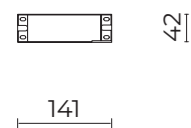
**06TR998J0**  
**Controcassa Trail 650**  
Recessed housing Trail 650



**06TR999J0**  
**Controcassa Trail 1250**  
Recessed housing Trail 1250



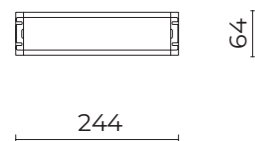
**06TA902X0**  
**Driver elettronico 60W 24V IP66**  
Electronic driver 60W 24V IP66



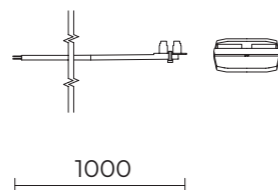
**06LL914AB0**  
**Driver elettronico DALI 150W 24V IP67**  
DALI electronic driver 150W 24V IP67



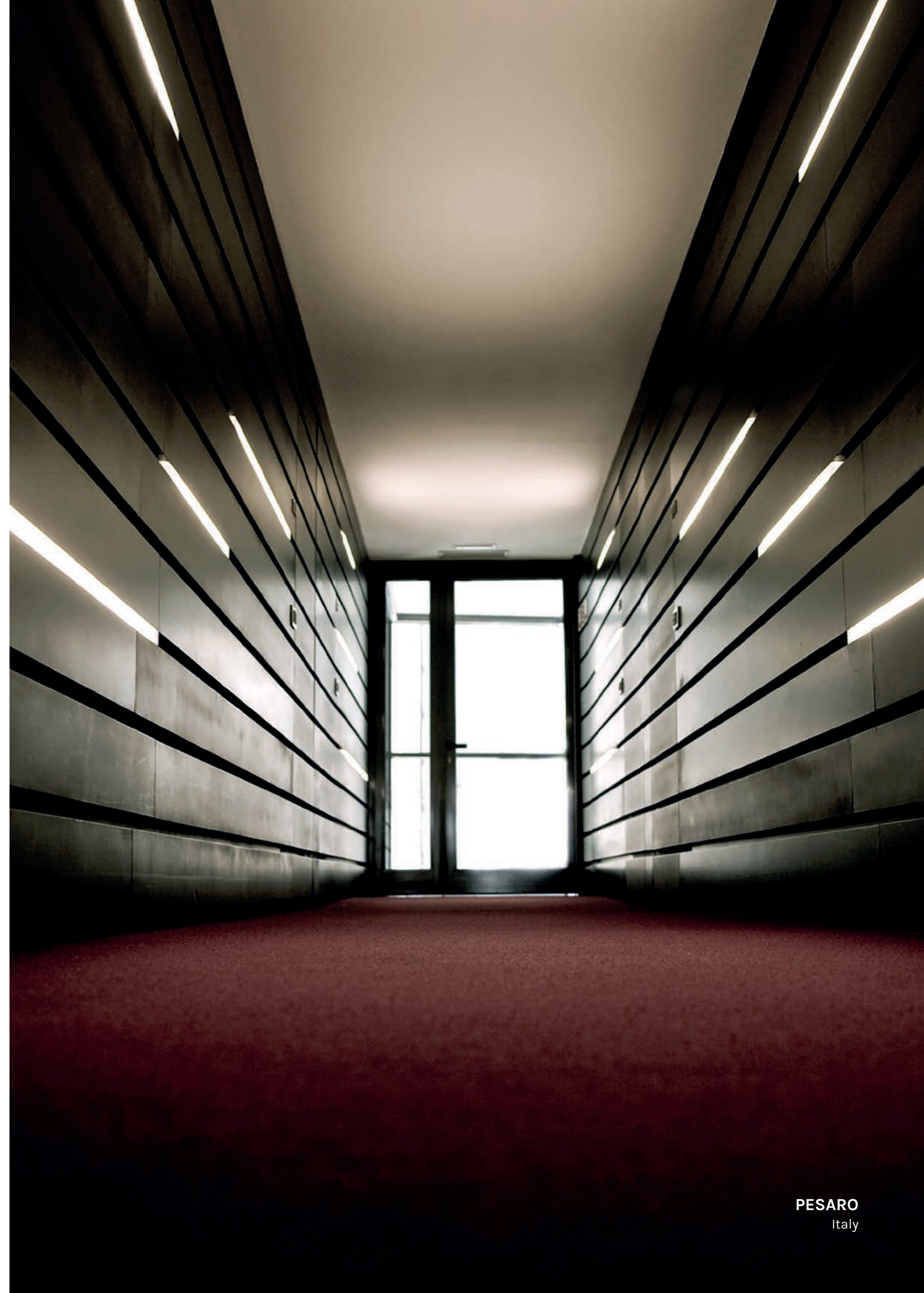
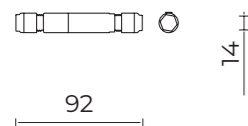
**06LL915AB0**  
**Driver elettronico 240W 24V IP67**  
Electronic driver 240W 24V IP67



**06AK958X0**  
**M3 - Kit entra-esca cavo 2x0,75**  
Kit in-out cable 2x0,75

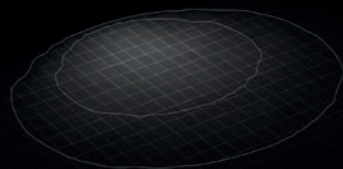


**06GC902X0**  
**B165 - Connettore 2 poli IP68**  
2-pole connector IP68

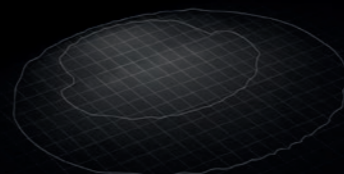


OTTICHE / OPTICS

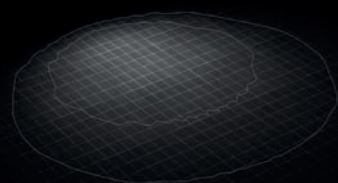
U-D 80° / 100° Diffused Beam



S 75° / 95° Ultra-Wide Beam

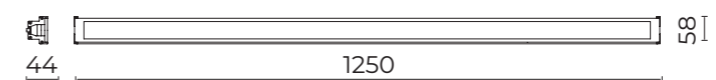
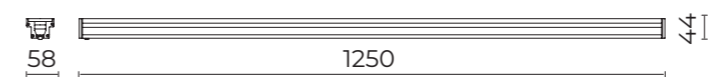
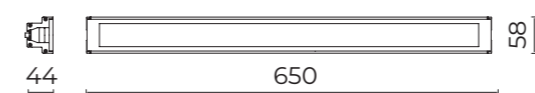
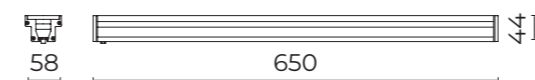


AS  $\alpha=13^\circ$  30° / 75° Asymmetric Beam



Trail

Parete / Wall-mounted



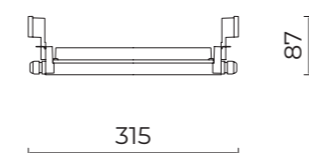
## Trail

Parete / Wall-mounted

### ACCESSORI / ACCESSORIES

#### 06OT988A0

**Box cablato per attacco a parete o a soffitto IP65 CL II**  
Wired box for wall or ceiling attachment IP65 CL II



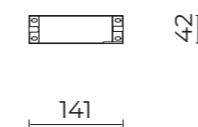
#### 06TR997A0

**Staffe fissaggio parete driver remoto**  
Wall mounting brackets, remote driver



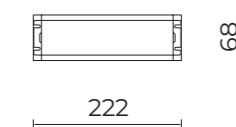
#### 06TA902X0

**Driver elettronico 60W 24V IP66**  
Electronic driver 60W 24V IP66



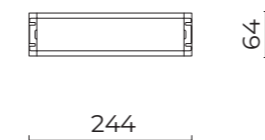
#### 06LL914AB0

**Driver elettronico DALI 150W 24V IP67**  
DALI electronic driver 150W 24V IP67



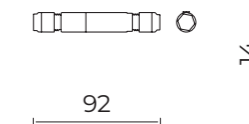
#### 06LL915AB0

**Driver elettronico 240W 24V IP67**  
Electronic driver 240W 24V IP67



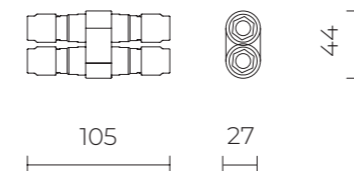
#### 06GC902X0

**B165 - Connettore 2 poli IP68**  
2-pole connector IP68



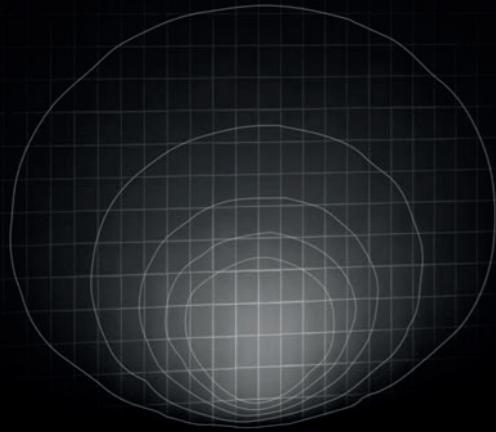
#### 06TR977X0

**B220 - Connettore 4 vie IP68**  
4-way connector IP68

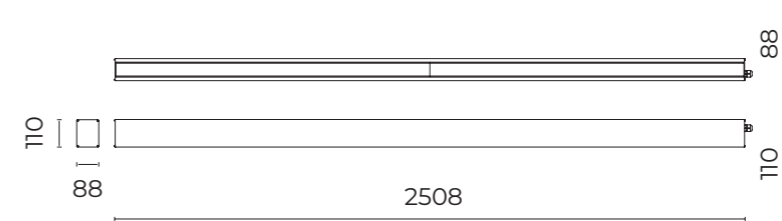


OTTICHE / OPTICS

U-D 80° / 100° Diffused Beam



Trail  
Solid Line



# KORE

Up-light, down-light e wall-washer ad incasso,  
KORE è ideale per l'illuminazione d'accento o  
diffusa di facciate, aree verdi e spazi urbani.

Up-light, down-light and recessed wall-washer,  
KORE is ideal for accent and diffuse lighting of  
facades, green areas and urban spaces.





#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
970 - 1225 lm

**Potenza apparecchio** / Fitting power:  
18 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 90, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### MATERIALI / MATERIALS

**Corpo** / Body:  
pressofusione di alluminio in lega primaria EN AB 44300  
die-cast primary aluminium alloy EN AB 44300

**Schermo** / Screen:  
vetro piano temprato / flat tempered glass

**Gruppo ottico** / Optical unit:  
lenti in tecnopolimero ad alta trasparenza  
high-transparency technopolymer lenses

**Finitura** / Finish:  
cornice INOX AISI 316L con finitura sabbiata e micro-  
pallinata con sfere di vetro / INOX AISI 316L stainless  
steel frame with sandblasted and micro-shot glass-  
sphere peened finish

#### COLORI / COLOURS

- INOX AISI 316L

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
2 kg

**Alimentazione elettronica** / Electronic power supply:  
remota, da ordinare separatamente / remote, to be  
ordered separately

**Precablaggio** / Pre-wiring:  
incluso / included

**Installazione** / Installation:  
terra (carrabile), pavimento flottante, controsoffitto  
ground (drive over), floating floor, false ceiling

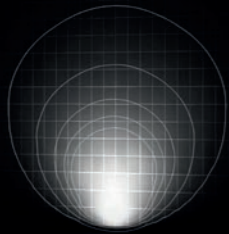
**Sistema ottico orientabile** / Orientable optical system:  
inclinazione: 0°, -5°, -10°, -15°. Rotazione +359°  
inclination: 0°, -5°, -10°, -15°. Rotation +359°



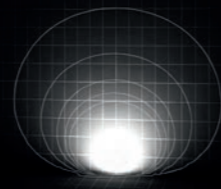


OTTICHE / OPTICS

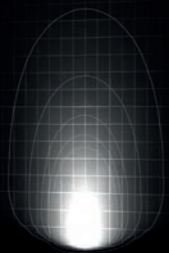
W-W Wall Washer



U-D 90° Diffused Beam



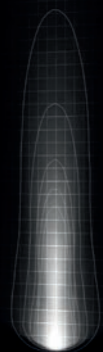
D 45° Wide Beam



M 25° Medium Beam

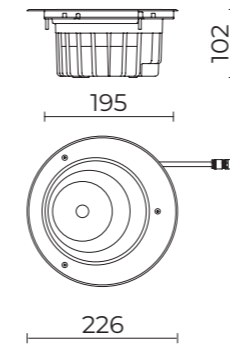


C 12° Narrow Beam



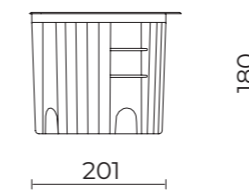
Kore

Incasso carrabile / Drive over recessed

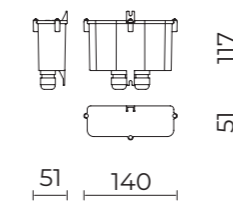


ACCESSORI / ACCESSORIES

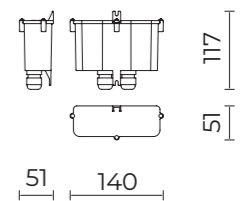
**06KR901B0**  
**B132 - Controcassa carrabile**  
 Drive over recessed housing



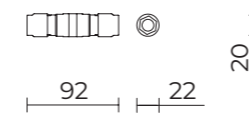
**06KR904X0**  
**B149 - Driver elettronico**  
**20W 240V IP67**  
 Electronic driver 20W 240V IP67



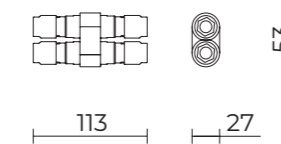
**06KR905X0**  
**B150 - Driver elettronico**  
**DALI 20W 240V IP67**  
 DALI electronic driver  
 20W 240V IP67



**06KS918C0**  
**B137 - Connettore 2 vie IP68**  
 2-way connector IP68

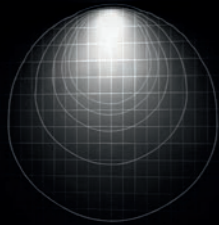


**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
 4-way connector IP68

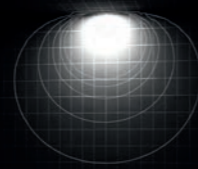


OTTICHE / OPTICS

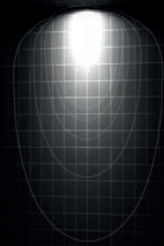
W-W Wall Washer



U-D 90° Diffused Beam



D 45° Wide Beam



M 25° Medium Beam

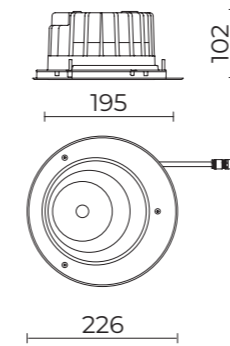


C 12° Narrow Beam



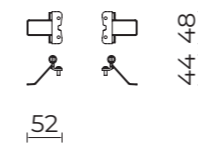
Kore

Incasso soffitto / Ceiling recessed

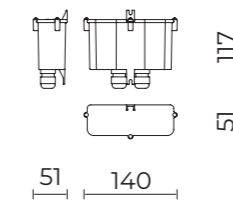


ACCESSORI / ACCESSORIES

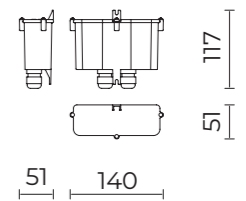
**06KR903XX0**  
**B134 - Molle per incasso a soffitto**  
 Springs for ceiling recessed installation



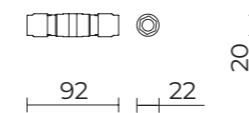
**06KR904X0**  
**B149 - Driver elettronico**  
**20W 240V IP67**  
 Electronic driver 20W 240V IP67



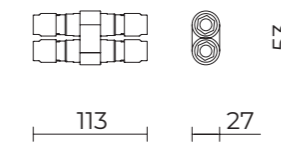
**06KR905X0**  
**B150 - Driver elettronico DALI**  
**20W 240V IP67**  
 DALI electronic driver  
 20W 240V IP67



**06KS918C0**  
**B137 - Connettore 2 vie IP68**  
 2-way connector IP68



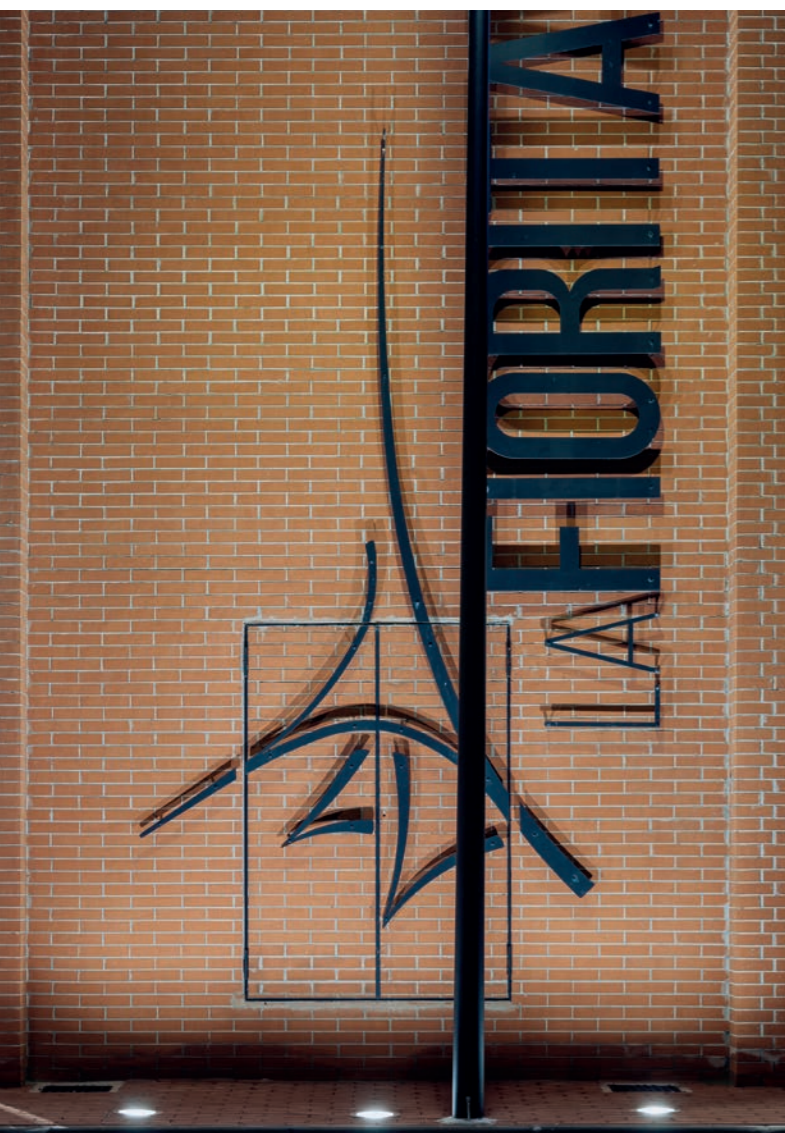
**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
 4-way connector IP68



Kore



LACEDONIA  
Italy



FINALE EMILIA  
Italy

# BANISTER

BANISTER è un corrimano ed elemento luminoso adatto per l'illuminazione uniforme di camminamenti, scale, corridoi, ponti pedonali.

BANISTER is both a handrail and a light, ideal for evenly lighting walkways, stairs, corridors and pedestrian bridges.







\* individual module \*\* continuous line \*\*\* handrail

#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
115 - 460 lm

**Potenza apparecchio** / Fitting power:  
2,5 - 10W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

#### TEMPERATURA COLORE COLOUR TEMPERATURE

 3000 K

#### MATERIALI / MATERIALS

**Corpo** / Body:  
estrusione di lega d'alluminio UNI6060  
extruded aluminium alloy UNI 6060

**Staffe** / Brackets:  
pressofusione di lega d'alluminio UNI EN  
AB 47100 (contenuto rame < 1%)  
die-cast aluminium alloy UNI EN  
AB 47100 (copper content < 1%)

**Gruppo ottico** / Optical unit:  
orientabile su 360° con step da 45°  
orientable through 360° in steps of 45°

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri  
di poliestere realizzata in 16 fasi per la miglior  
resistenza agli agenti atmosferici  
phospho-chromatation treated and polyester  
powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

 SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
2 kg

**Alimentazione elettronica** / Electronic power supply:  
inclusa (modulo singolo), remota (linea continua)  
included (individual module), remote (continuous line)

**Resistenza sovratensioni** / Surge Protection Device:  
MC 6 kV  
MD 10 kV

**Installazione** / Installation:  
parete / wall

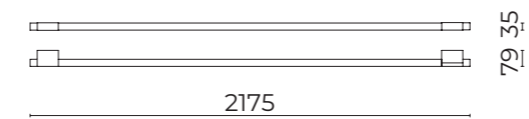
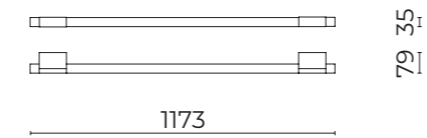
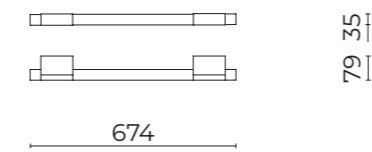
**Fissaggio** / Fixing system:  
staffa fissa / fixed bracket



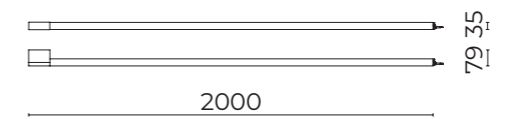
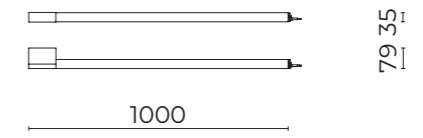
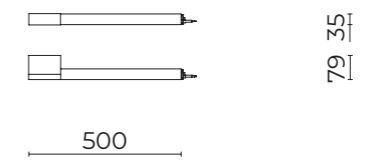


### Banister Parete / Wall

INDIVIDUAL MODULE  
driver included



CONTINUOUS LINE

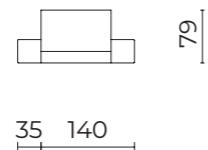


## Banister

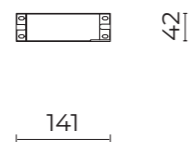
Parete / Wall

### ACCESSORI / ACCESSORIES

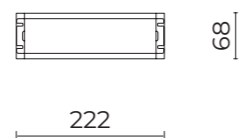
**06BA900CO**  
**Kit 2 terminali e staffa**  
Kit with 2 terminal parts and brackets



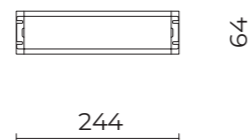
**06TA902X0**  
**Driver elettronico 60W 24V IP66**  
Electronic driver 60W 24V IP66



**06LL914AB0**  
**Driver elettronico DALI 150W 24V IP67**  
DALI electronic driver 150W 24V IP67



**06LL915AB0**  
**Driver elettronico 240W 24V IP67**  
Electronic driver 240W 24V IP67

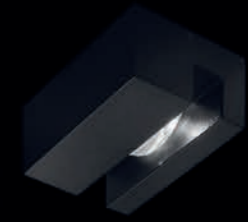




# EMI

EMI è stato ideato per l'illuminazione d'accento delle superfici di confine e degli spazi di passaggio tra l'interiorità e l'esteriorità urbana: soglie, muri, nicchie, portici, portali e finestre.

EMI was designed for accent lighting of border surfaces and transit spaces between urban interiors and exteriors: thresholds, walls, niches, arcades, portals and windows.





MILAN  
Italy



220 240V	24Vdc DALI	50 60Hz	CL II CL III	IP66	BL IK08 AD IK07	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
135 - 160 lm

**Potenza apparecchio** / Fitting power:  
4 W (versione DALI), 4,7 W (versione ON-OFF)  
4 W (DALI version), 4,7 W (ON-OFF version)

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
DALI, driver esterno / DALI, external driver

#### MATERIALI / MATERIALS

**Corpo e cover** / Body and cover:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy  
UNI EN AB 47100 (copper content < 1%)

**Gruppo ottico** / Optical unit:  
lente PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
0,6 kg

**Alimentazione elettronica** / Electronic power supply:  
versione ON-OFF inclusa, versione DALI esclusa  
ON-OFF version included, DALI version external

**Precablaggio** / Pre-wiring:  
incluso, fornito con cavo 1,5 m  
included, provided with cable 1,5 m

**Installazione** / Installation:  
parete, soffitto. Accesso cavo posteriore e laterale  
wall-mounted, ceiling. Bottom and side access point  
for the power cable

**Fissaggio** / Fastening:  
Il sistema di fissaggio consente un'inclinazione in  
regolazione continua fino a 5°, per compensare eventuali  
pendenze delle superfici di installazione  
The fastening system allows a continuously adjustable  
inclination of up to 5° to compensate for any sloping  
installation surfaces

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

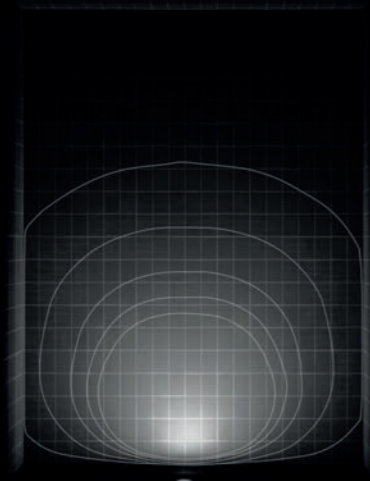


OTTICHE / OPTICS

Blade 5°x180°

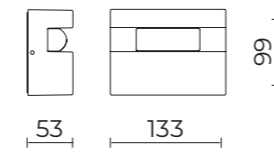


Asymmetric Diffused Beam

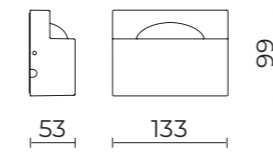


Emi

BL



AD

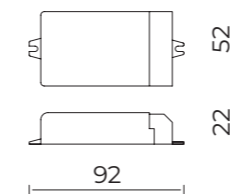


COLORI / COLOURS

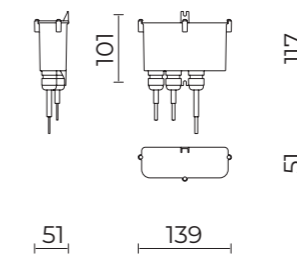
- SABLÉ 100 NOIR
- RAL9006
- CORTEN
- RAL9003

ACCESSORI / ACCESSORIES

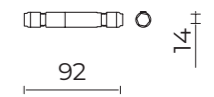
**06EM900X0**  
**D1 - Driver DALI 20W 24V IP20**  
**N. 1 - 4 EMI / DALI driver 20W 24V**  
 IP20 N. 1 - 4 EMI



**06EM901X0**  
**D2 - Kit driver DALI 20W 24V IP67**  
**N. 1 - 4 EMI / Kit DALI driver 20W**  
 24V IP67 N. 1 - 4 EMI



**06GC902X0**  
**B165 - Connettore 2 poli IP68**  
 2-pole connector IP68

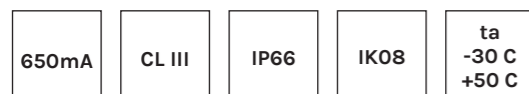


# MIKRO



MIKRO è un sistema dedicato all'illuminazione d'accento delle facciate, pensato per disegnare con la luce gli scenari urbani notturni.

MIKRO is a dedicated system for accent lighting of facades and is designed to draw urban night scenes with light.



#### DATI PRESTAZIONALI / PERFORMANCE DATA




**Flusso apparecchio / Fitting flux:**  
135 - 180 lm

**Potenza apparecchio / Fitting power:**  
4 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
driver ON-OFF o DALI esterno  
external ON-OFF or DALI driver

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  2700 K
-  3000 K
-  4000 K

#### MATERIALI / MATERIALS





**Corpo e fissaggio / Body and fastening:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato  
tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

-  SABLÉ 100 NOIR
-  RAL9006
-  CORTEN
-  RAL9003

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
0,5 kg

**Alimentazione elettronica / Electronic power supply:**  
esclusa / excluded

**Precablaggio / pre-wiring:**  
incluso, fornito con cavo 1 m  
included, provided with 1 m cable

**Inclinazione / Inclination:**  
Staffa di fissaggio integrata che, se necessario, può  
essere regolata per consentire l'inclinazione del prodotto  
(-15° ÷ +105°) e l'installazione anche nelle condizioni più  
complesse / Built-in fixing bracket that can be adjusted  
if necessary to tilt the product (-15° ÷ +105°) and install it  
in even the most complex conditions

**Installazione / Installation:**  
terra, parete, soffitto / ground, wall-mounted, ceiling

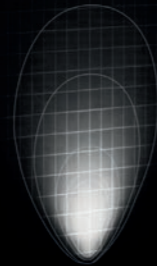


OTTICHE / OPTICS

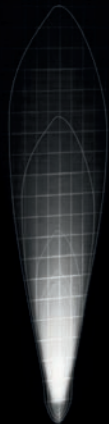
Blade 4°x17°



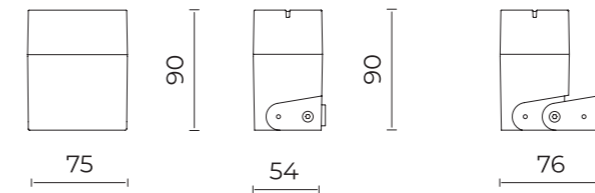
D 50°x20° Wide Beam



M 21°x19° Medium Beam

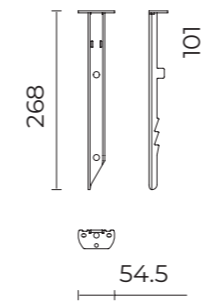


Mikro

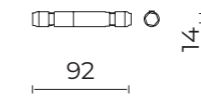


ACCESSORI / ACCESSORIES

**06AK957B0**  
**I2 - Picchetto per interramento**  
 Spike for ground



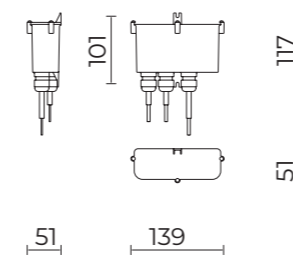
**06GC902X0**  
**B165 - Connettore 2 poli**  
 2 pole connector



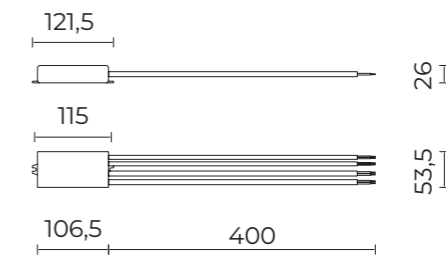
**06MK900X0**  
**D3 - Driver 30W 650mA IP20 1 - 6 Mikro**  
 Driver 30W 650 mA IP20 1 - 6 Mikro



**06MK901X0**  
**D4 - Kit driver 650mA IP67 1 - 6 Mikro**  
 Driver kit 650 mA IP67 1 - 6 Mikro



**06MK902X0**  
**D5 - Driver DALI 30W 650mA IP68 1 - 6 Mikro**  
 DALI driver 30W 650 mA IP68 1 - 6 Mikro





GRAPHO &

GRAPHO  
MINI

Soluzioni per l'illuminazione  
d'accento delle facciate, pensate per disegnare  
con la luce gli scenari urbani notturni.

Solutions for accent lighting of  
facades, designed to draw urban night scenes  
with light.





VARAZZE  
Italy



220 240V	50 60Hz	CL I * CL II **	IP66	IK08	ta -30°C +50°C
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\* Grapho mini

\*\* Grapho

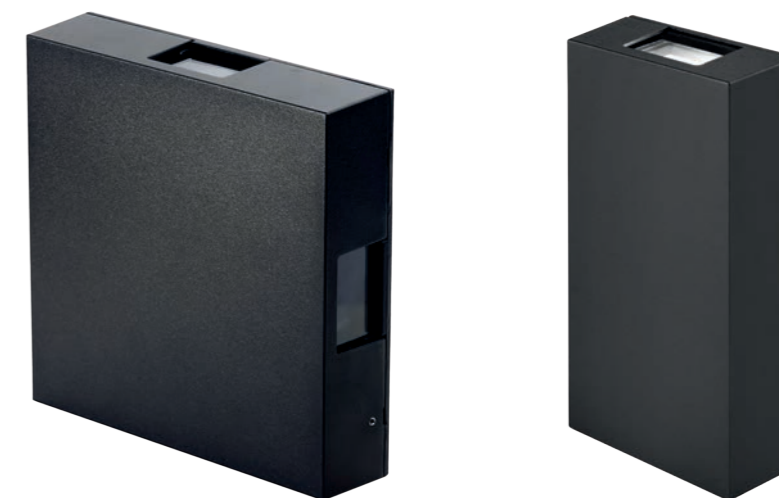
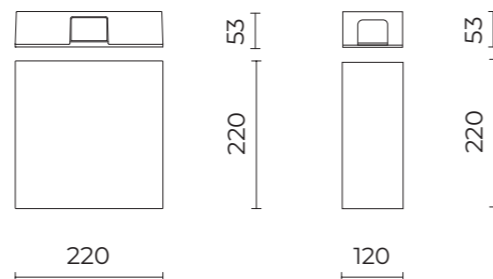
**DATI PRESTAZIONALI / PERFORMANCE DATA**

**Flusso apparecchio / Fitting flux:**  
135 - 710 lm

**Potenza apparecchio / Fitting power:**  
4,5 - 17,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI, incluso / DALI, included



**MATERIALI / MATERIALS**

**Corpo e fissaggio / Body and fastening:**  
pressofusione di lega di alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
tecnopolimero stabilizzato ai raggi UV  
UV stabilized technopolymer

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

**TEMPERATURA COLORE  
COLOUR TEMPERATURE**

- 2700 K
- 3000 K
- 4000 K

**COLORI / COLOURS**

- SABLÉ 100 NOIR
- RAL9006
- CORTEN
- RAL9003

**CARATTERISTICHE / FEATURES**

**Peso massimo / Max weight:**  
1 kg (Grapho mini), 1,5 kg (Grapho)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Installazione / Installation:**  
parete, soffitto. Ingresso cavo posteriore. Predisposizione per  
entra-esci (solo Grapho) / wall-mounted, ceiling. Rear cable  
entry. Predisposition to in and out setup (only Grapho)

**Sistema antivandalismo / Vandal-proof system:**  
previsti grani antivandalici  
anti-vandalism grains provided



2x Blade 4°x17°



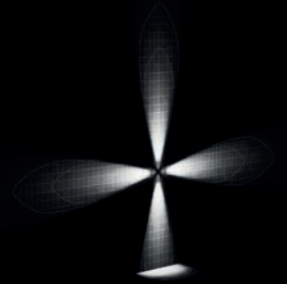
4x Blade 4°x17°



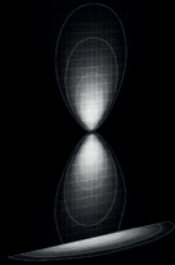
2x D 21°x19° Medium Beam



4x D 21°x19° Medium Beam



2x D 50°x20° Wide Beam



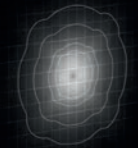
4x D 50°x20° Wide Beam



2x U-D 100°x60° Diffused Beam



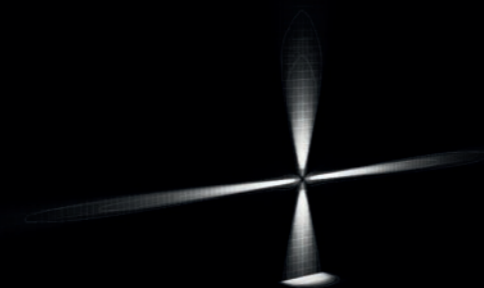
U-D 100°x60° Diffused Beam



1x blade 4°x17° + 1x D 21°x19°  
Medium Beam



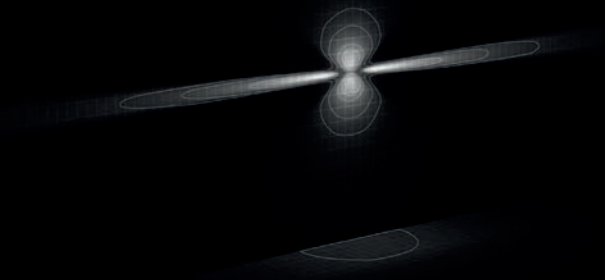
2x blade 4°x17° + 2x D 21°x19°  
Medium Beam



1x blade 4°x17 + 1x U-D 100°x60°  
Diffused Beam



2x blade 4°x17° + 2x U-D 100°x60°  
Diffused Beam



Grapho mini

OTTICHE / OPTICS

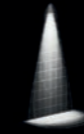
1x Blade 4°x17°



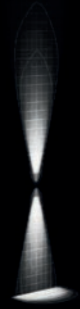
2x Blade 4°x17°



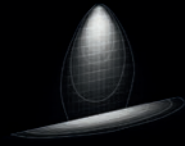
1x D 21°x19° Medium Beam



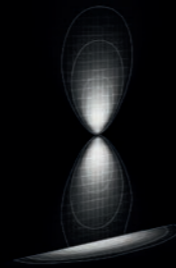
2x D 21°x19° Medium Beam



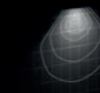
1x D 50°x20° Wide Beam



2x D 50°x20° Wide Beam



1x U-D 100°x60° Diffused Beam



2x U-D 100°x60° Diffused Beam



1x blade 4°x17° + 1x D 21°x19°  
Medium Beam



1x blade 4°x17° + 1x U-D 100°x60°  
Diffused Beam



# SANS SERIF

SANS SERIF rappresenta il silenzio della forma e l'eloquenza della funzione. Un'illuminazione discreta per camminamenti, scale e rampe, che si inserisce con garbo in ogni contesto.

SANS SERIF represents silence of form and eloquence of function. Discreet lighting for walkways, stairs and ramps, which fits into every context with grace.



**BUDAPEST**  
Hungary



**NOLI**  
Italy

220 240V	50 60Hz	CL I (MQ-MR)	CL III (SQ)	IP66	IK08	ta -30°C +50°C
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**DATI PRESTAZIONALI / PERFORMANCE DATA**

**Flusso apparecchio / Fitting flux:**  
190 - 290 lm

**Potenza apparecchio / Fitting power:**  
4,5 - 7,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 80, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
DALI su richiesta / DALI on request

**TEMPERATURA COLORE / COLOUR TEMPERATURE**

- 2700 K
- 3000 K
- 4000 K

**CARATTERISTICHE / FEATURES**

**Peso massimo / Max weight:**  
0,5 kg (SQ), 2 kg (MQ-MR)

**Alimentazione elettronica / Electronic power supply:**  
esclusa (SQ), inclusa (MQ-MR)  
excluded (SQ), included (MQ-MR)

**Installazione / Installation:**  
parete. Ingresso cavo posteriore.  
Su richiesta ingresso cavo laterale  
wall. Rear cable entry.  
Lateral cable entry on request

**MATERIALI / MATERIALS**

**Corpo e cover / Body and cover:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy  
UNI EN AB 47100 (copper content < 1%)

**Collimatore ottico / Optical collimator:**  
nylon PA66

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di  
poliestere realizzata in 16 fasi per la miglior  
resistenza agli agenti atmosferici / phospho-  
chromatation treated and polyester powder-coated  
in 16 phases to increase weather resistance

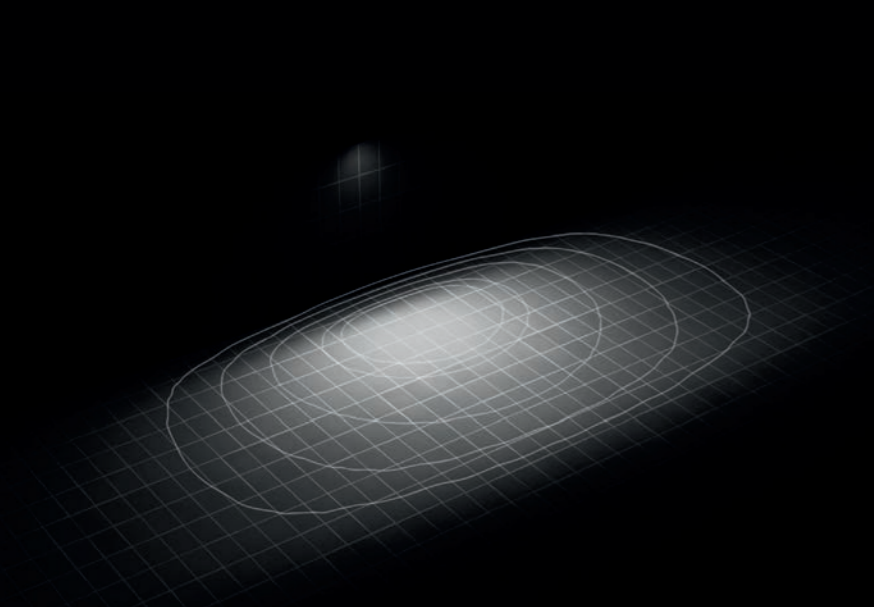
**COLORI / COLOURS**

- SABLÉ 100 NOIR
- RAL9006
- CORTEN
- RAL9003



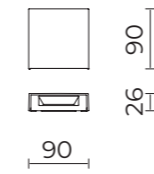
OTTICHE / OPTICS

AS-D Asymmetric Diffused Beam

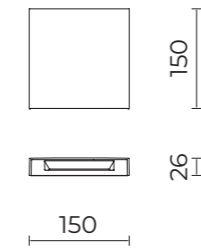


Sans Serif

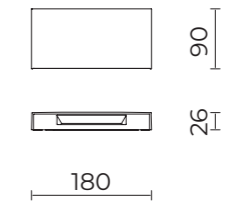
SMALL  
QUADRATO  
SQUARED



MEDIUM  
QUADRATO  
SQUARED

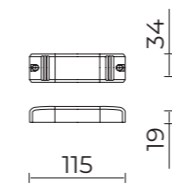


MEDIUM  
RETTANGOLARE  
RECTANGULAR



ACCESSORI / ACCESSORIES

**06SS900X0**  
**B184 - Driver IP20 350mA 15W,**  
**max 3 SANS SERIF SQ ON-OFF**  
 Driver IP20 350 mA 15 W,  
 max 3 Sans Serif SQ ON-OFF





# ONE4TWO

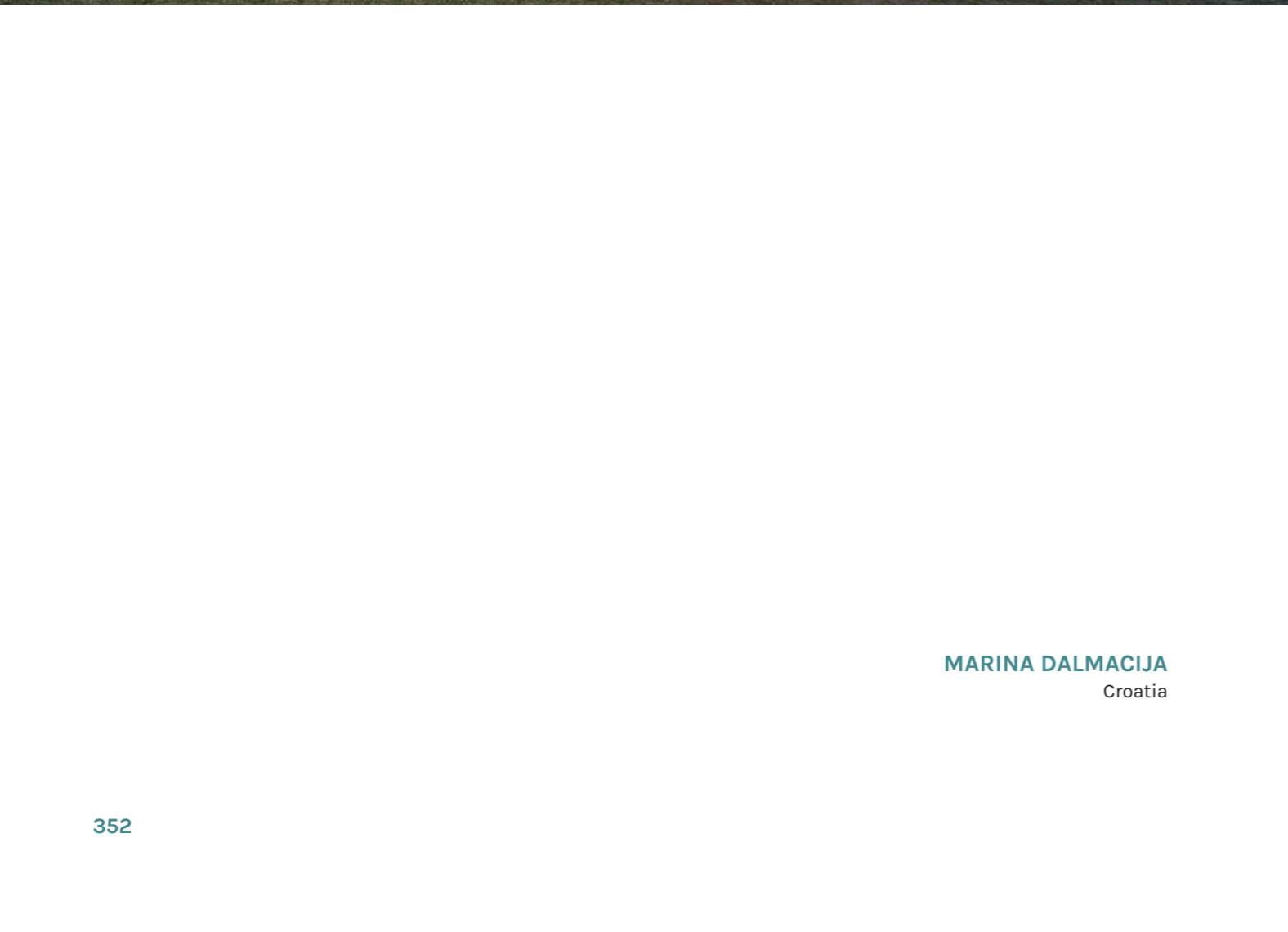


Applique da parete, mono-emissione o bi-emissione,  
ideale per l'illuminazione d'accento e diffusa di  
facciate, portici e ingressi agli edifici.

Wall-mounted, mono-emission or bi-emission  
product, ideal for accent and diffuse lighting of  
arcades, façades and building entrances.



TORONTO  
Canada



MARINA DALMACIJA  
Croatia



220 240V	50 60Hz	CL I	IP65	IK05	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
465 - 2200 lm

**Potenza apparecchio** / Fitting power:  
7 - 31 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 80, SDCM ≤ 3

#### TEMPERATURA COLORE COLOUR TEMPERATURE

-  3000 K
-  4000 K

#### MATERIALI / MATERIALS

**Corpo** / Body:  
estrusione di lega d'alluminio UNI9006/1  
extruded aluminium alloy UNI 9006/1

**Schermo** / Screen:  
vetro piano temprato  
tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

-  SABLÉ 100 NOIR
-  RAL9006

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
2 kg (small), 4 kg (medium)

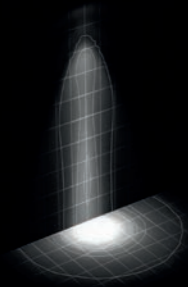
**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Installazione** / Installation:  
parete / wall

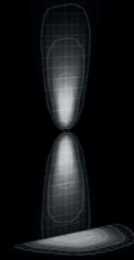


OTTICHE / OPTICS

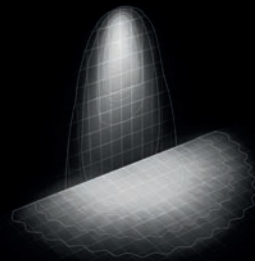
C 8° Narrow Beam



D 40° + D 40°



D 40° Wide Beam



C 8° + D 40°

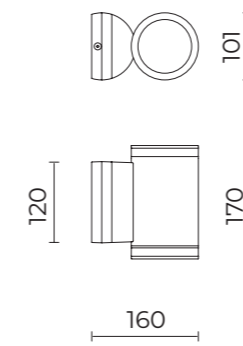


C 8° + C 8°

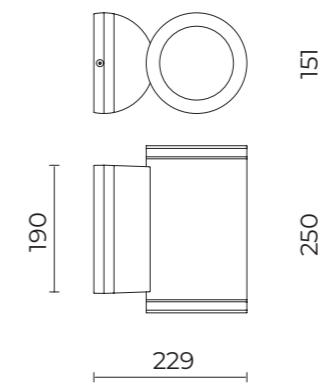


One4two  
Parete / Wall

SMALL



MEDIUM

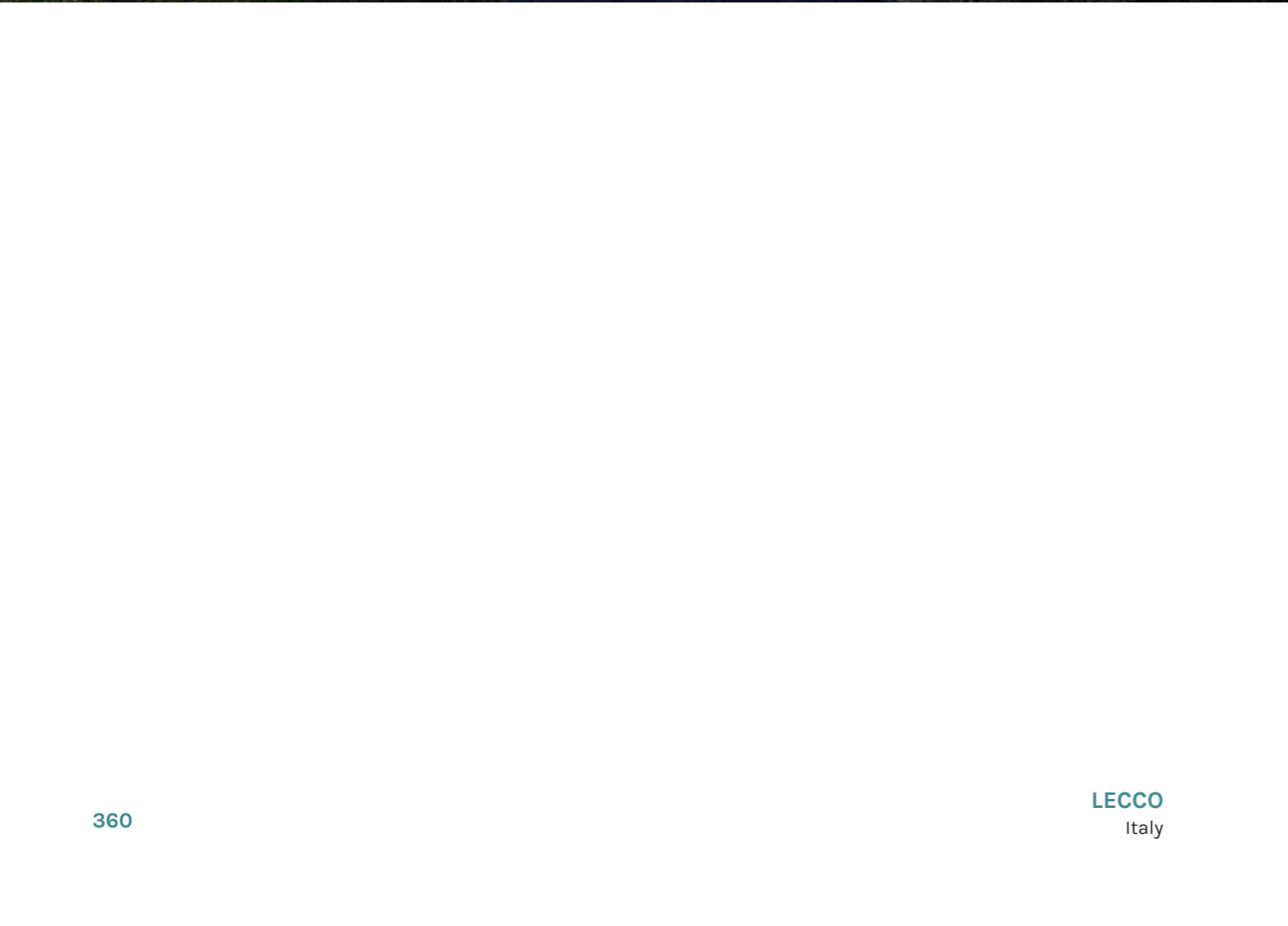


# POLI

POLI in greco significa "città"  
e lo abbiamo ideato per tutte le città dove  
le persone sono più importanti delle cose.  
Le città dove passeggiare, fermarsi, incontrarsi.

POLI in Greek means "city", and we have  
designed it for all cities where people are more  
important than objects.  
Cities for walking, stopping, meeting.





220 240V	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
1355 (1800 K) - 10835 lm

**Potenza apparecchio** / Fitting power:  
12 - 78 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale. Su richiesta DALI, ZHAGA, CLO  
virtual midnight. On request DALI, ZHAGA, CLO

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio** / Body and fitting system:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN AB  
47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli agenti  
atmosferici / phospho-chromatation treated and polyester  
powder-coated in 16 phases to increase weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2200 K
- 2700 K
- 3000 K
- 4000 K

#### ECO-CENTRIC LIGHTING (ECL)

(ONLY FOR STREET OPTICS)

**BLUE FREE LIGHT:**  
PC-AMBER 0,7%  $\Sigma R$  ( $\lambda$  < 500NM) – CRI 40  
1800 K 4,3%  $\Sigma R$  ( $\lambda$  < 500NM) – CRI 70

**SWITCHABLE WHITE LIGHT:**  
1800K / 3000K

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
8 kg

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Resistenza sovratensioni** / Surge Protection Device:  
10 kV MC/MD

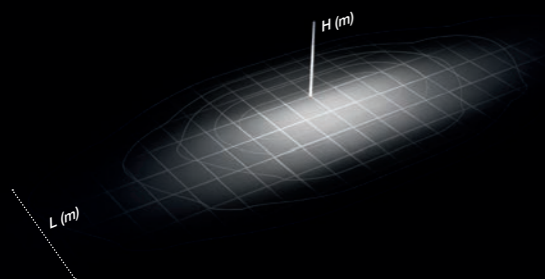
**Precablaggio** / Pre-wiring:  
**prodotto fornito con cavo e connettore**  
product provided with cable and connector

**Installazione** / Installation:  
**pali cima Ø 60 mm innesto H 90 mm**  
poles with post top Ø 60 mm and fastening part H 90 mm



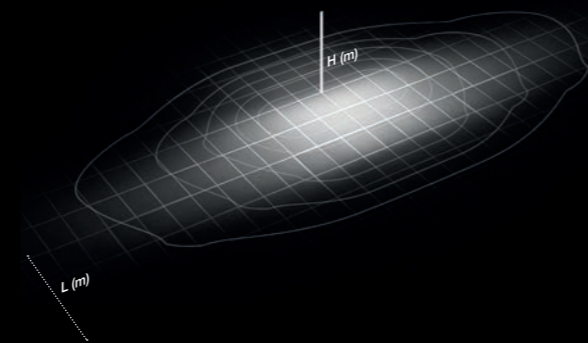
OTTICHE / OPTICS

LT-C1 Cycle path  
L / H = 0,5



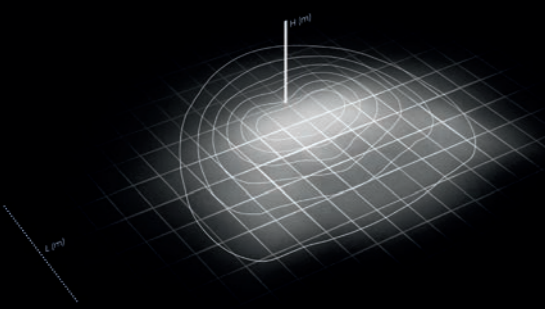
ST-02 Narrow Street  
L / H = 0,75

ECL

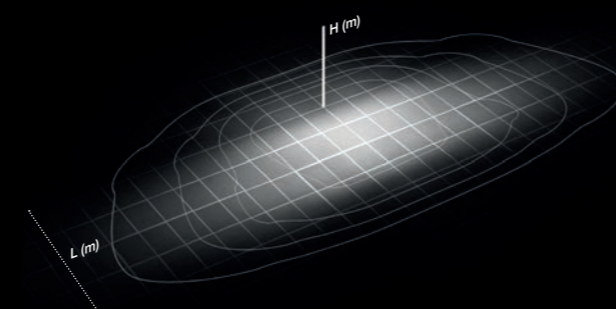


LT-64 Asymmetric Beam with backlight  
L / H = 2

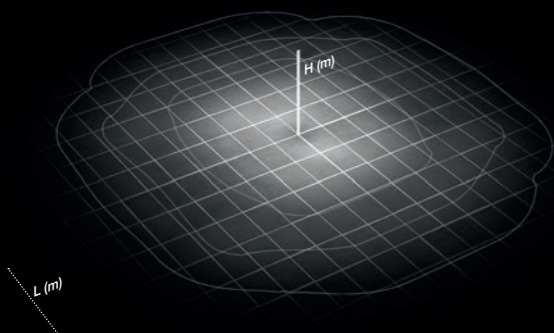
ECL



ME-05 Medium Street  
L / H = 1

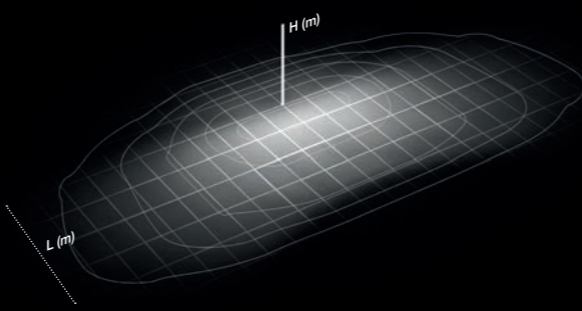


RS-02 Rotosymmetric Beam

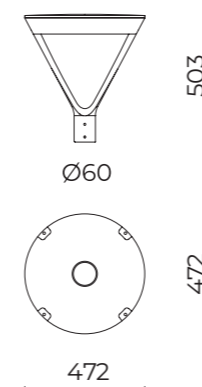


LA-03 Wide Street  
L / H = 1,25

ECL

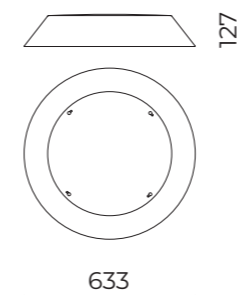


Poli

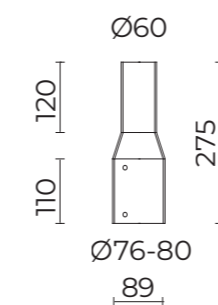


ACCESSORI / ACCESSORIES

- 01PL900C0 - Sablè 100 Noir
- 01PL900U60 - Copper
- 01PL900U50 - Green
- Cappello decorativo
- Decorative upper cover



- 01AK980C0
- B200 - Adattatore pali
- Pole adapter





# DUAL



Una soluzione intelligente per l'illuminazione di spazi e percorsi urbani. Le linee morbide e le forme eleganti lo rendono adatto ad ogni contesto.

A smart solution for lighting urban spaces and pathways. Its soft lines and elegant shapes make it suitable for any context.



MIAMI  
USA



GENOVA  
Italy

220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1650 - 10835 lm

**Potenza apparecchio / Fitting power:**  
12 - 78 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale. Su richiesta DALI, ZHAGA, CLO  
virtual midnight. On request DALI, ZHAGA, CLO

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### MATERIALI / MATERIALS

**Corpo e codolo / Body and fastening part:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
policarbonato trasparente stabilizzato agli UV  
con fotoincisione / transparent polycarbonate UV  
stabilized with photoengraving

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza / high-transparency  
PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
6 kg

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Precablaggio / Pre-wiring:**  
incluso, fornito con cavo e connettore  
included, provided with cable and connector

**Installazione / Installation:**  
pali cima Ø 60 mm innesto H 70 mm  
poles for post top Ø 60 mm and  
fastening part H 70 mm



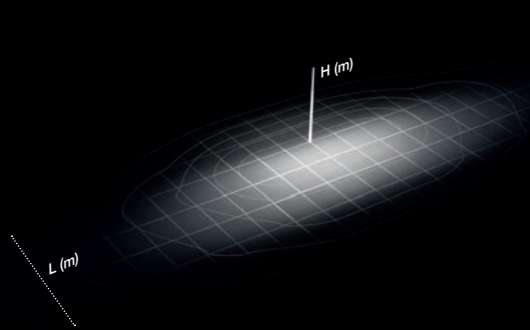
**ASIMMETRICO**  
ASYMMETRICAL



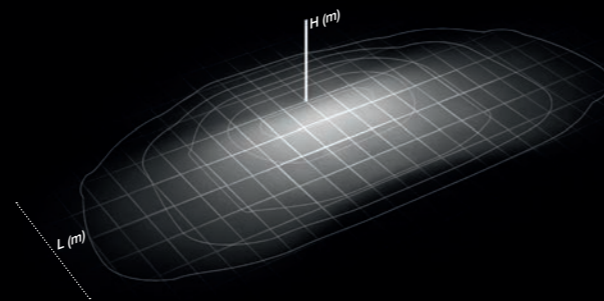
**RTOSIMMETRICO**  
ROTOSYMMETRICAL

OTTICHE / OPTICS

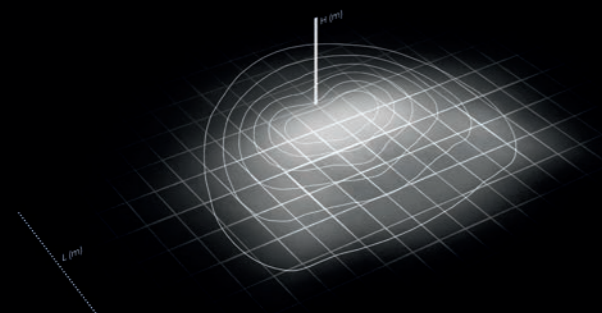
LT-C1 Cycle path  
L / H = 0,5



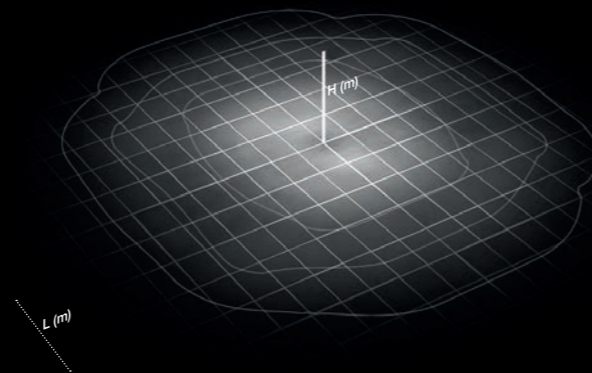
LA-03 Wide Street  
L / H = 1,25



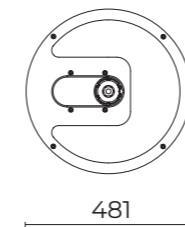
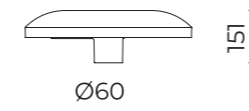
LT-64 Asymmetric Beam with backlight  
L / H = 2



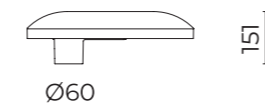
RS-02 Rotosymmetric Beam



Rotosimmetrico  
Rotosymmetrical



Asimmetrico  
Asymmetrical



# KALOS

Flessibilità d'installazione e prestazioni del sistema ottico rendono KALOS una soluzione efficace per l'illuminazione di spazi e percorsi urbani.

Flexibility of installation and performance of the optical system make KALOS an effective solution of lighting urban spaces and pathways.





220 240V	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1610 - 13895 lm

**Potenza apparecchio / Fitting power:**  
13,5 - 103,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 4

**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless / virtual midnight. On request  
ZHAGA, DALI, CLO, PLC, wireless telemanagement

#### COLORI / COLOURS

● SABLÉ 100 NOIR

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2200 K (TESTA PALO / POST TOP)
- 3000 K
- 4000 K

#### MATERIALI / MATERIALS

**Corpo e codolo / Body and fastening part:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
8 kg

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

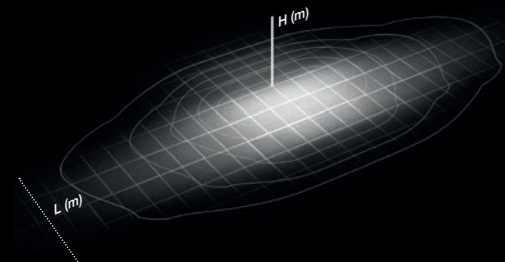
**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Installazione / Installation:**  
testa palo, lato palo, sospensione braccio, sospensione  
tesata, parete, sottoportico  
post top, pole side, arm suspension, string suspension,  
wall, arcade

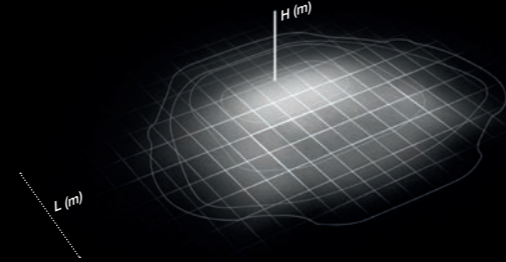


OTTICHE / OPTICS

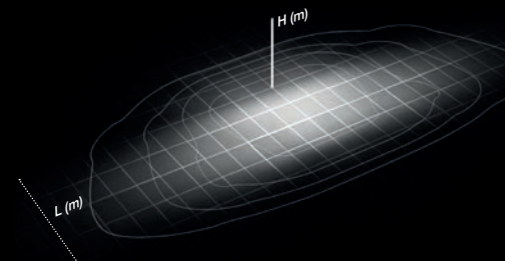
ST-01 Narrow Street  
L / H = 0,75



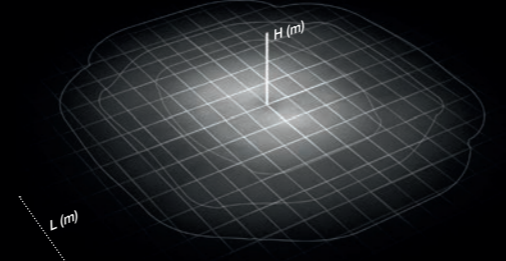
LT-06 Asymmetric Beam  
L / H = 2



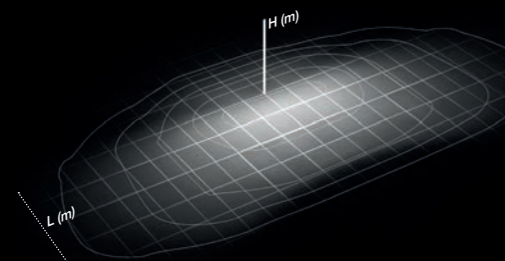
ME-01 Medium Street  
L / H = 1



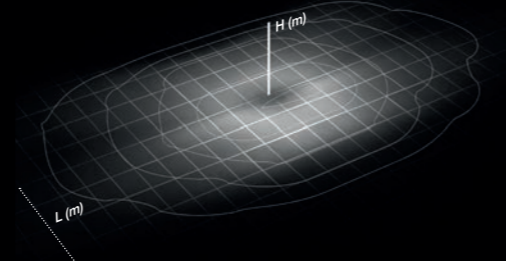
RS-01 Rotosymmetric Beam  
L / H = 2



LA-01 Wide Street  
L / H = 1,25



F&B ST-01 + LA-01 Front & Back  
L / H = 0,75 + 1,25

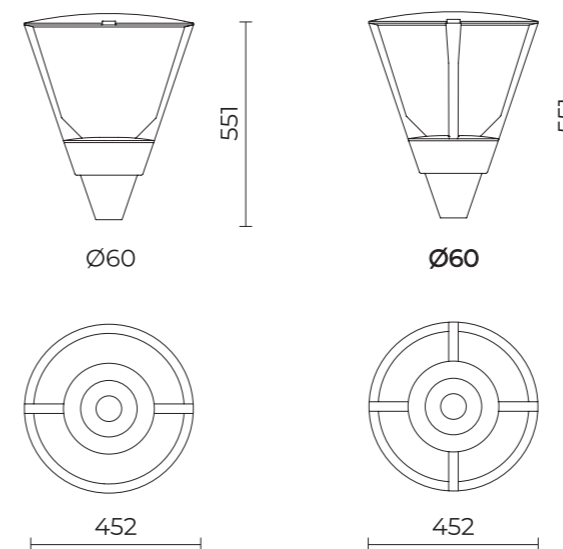


Kalos

Testa palo / Post top

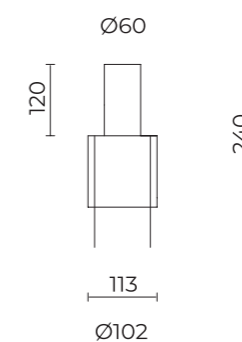
DATI TECNICI / TECHNICAL DATA

Installazione / Installations:  
pali cima Ø 60 mm innesto H 65 mm  
poles for post top Ø 60 mm and fastening part H 65 mm

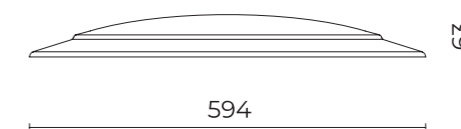


ACCESSORI / ACCESSORIES

01SC913C0  
Riduzione codolo  
Reduction fastening part



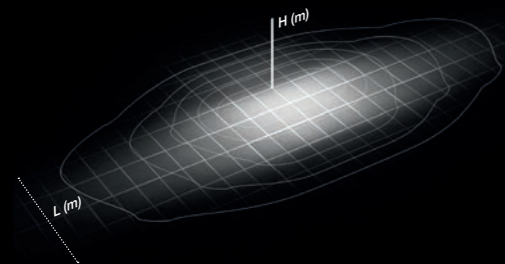
01KA901C0  
Cappello per Kalos 4 chele testa  
palo o su braccio portato  
Cover for Kalos 4 post top arms  
or on arm for upwards installation



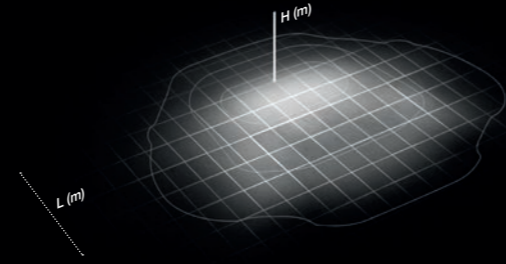


OTTICHE / OPTICS

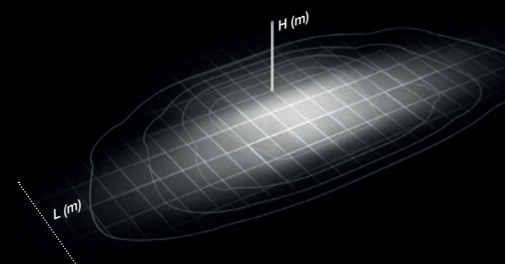
ST-01 Narrow Street  
L / H = 0,75



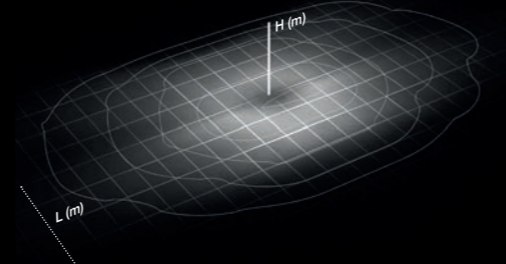
LT-06 Asymmetric Beam  
L / H = 2



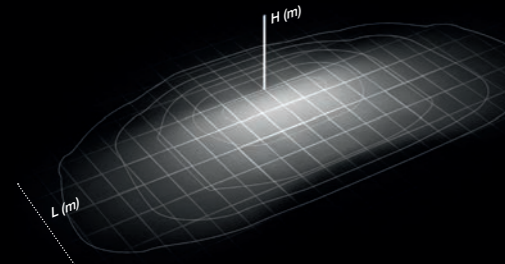
ME-01 Medium Street  
L / H = 1



F&B ST-01 + LA-01 Front & Back  
L / H = 0,75 + 1,25



LA-01 Wide Street  
L / H = 1,25

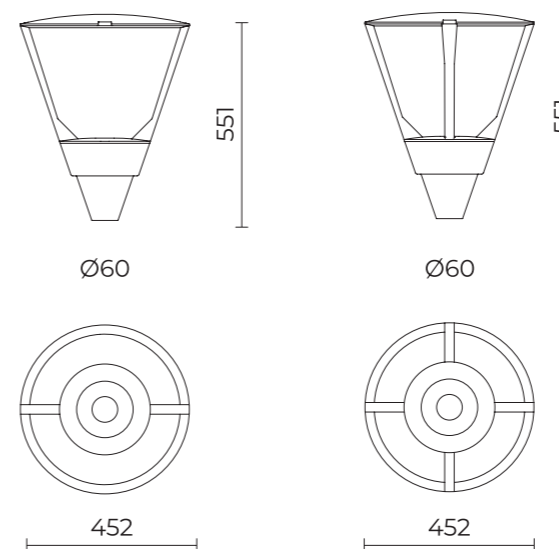


Kalos

Lato palo / Pole side

DATI TECNICI / TECHNICAL DATA

Installazione / Installations:  
su bracci con attacco Ø 60 mm per pali Ø 102 mm  
on arms with Ø 60 mm fastening for poles Ø 102 mm

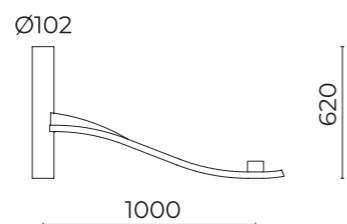


# Kalos

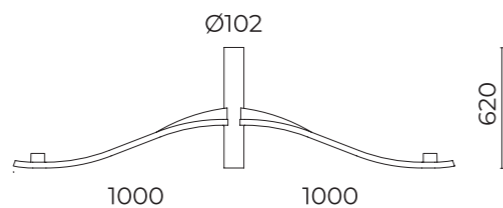
Lato palo / Pole side

## BRACCI / ARMS

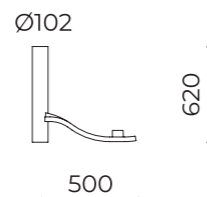
**01KA902C0**  
**B35 - Braccio per pali con codolo**  
 Ø 60 mm H 120 mm  
 Arm for poles with fastening part  
 Ø 60 mm H 120 mm



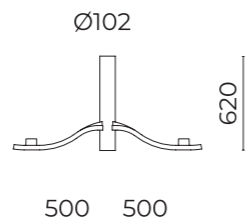
**01KA903C0**  
**B36 - Braccio doppio per pali con codolo**  
 Ø 60 mm H 120 mm  
 Double arm for poles with fastening part  
 Ø 60 mm H 120 mm



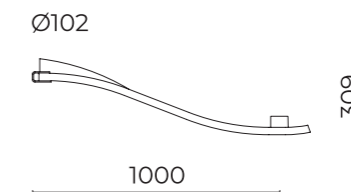
**01KA904C0**  
**B37 - Braccio per pali con codolo**  
 Ø 60 mm H 120 mm  
 Arm for poles with fastening part  
 Ø 60 mm H 120 mm



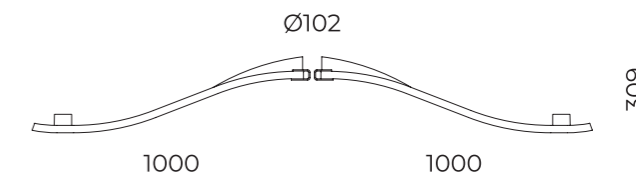
**01KA905C0**  
**B38 - Braccio doppio per pali con codolo**  
 Ø 60 mm H 120 mm  
 Double arm for poles with fastening part  
 Ø 60 mm H 120 mm



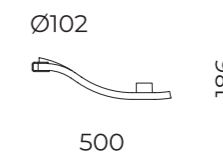
**01KA906C0**  
**B39 - Braccio per pali**  
 Arm for poles



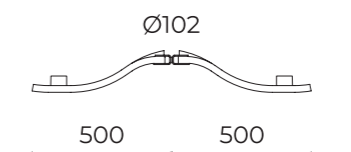
**01KA907C0**  
**B44 - Braccio doppio per pali**  
 Double arm for poles



**01KA908C0**  
**B45 - Braccio per pali**  
 Arm for poles

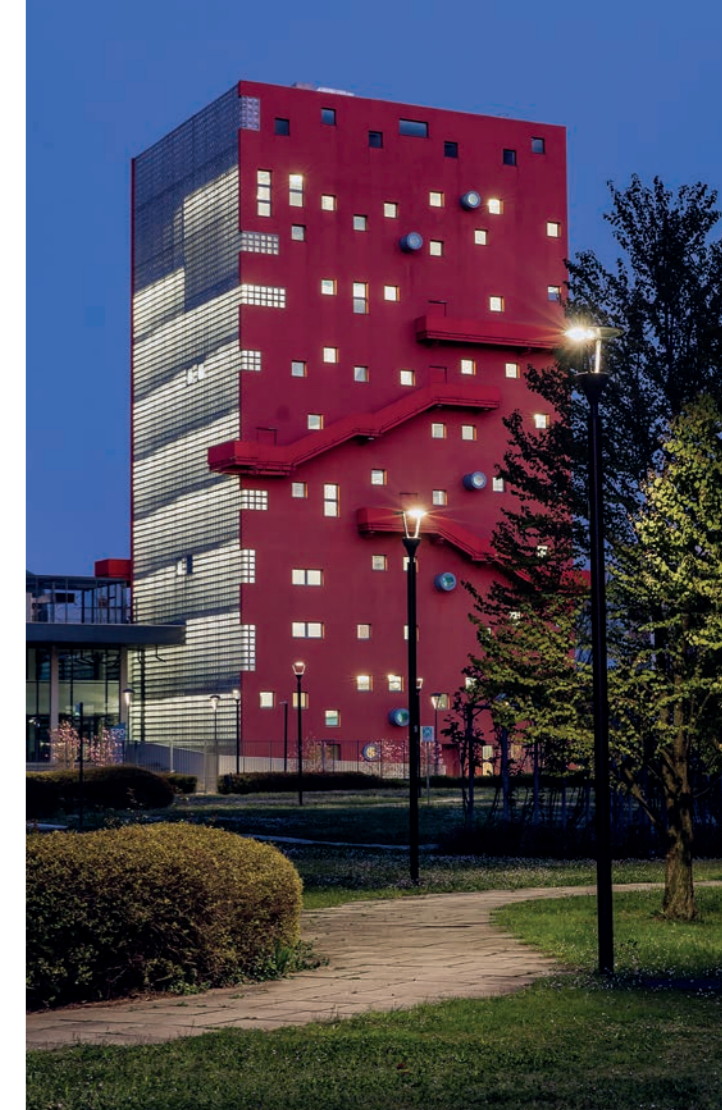


**01KA909C0**  
**B46 - Braccio doppio per pali**  
 Double arm for polespoles





**VILNIUS**  
Lithuania



**MILANO**  
Italy



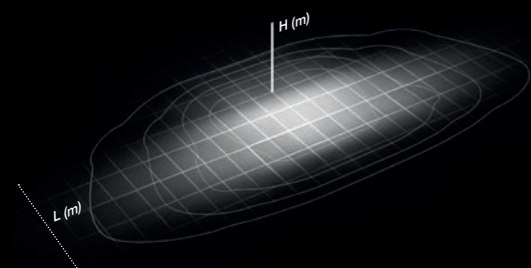
**LOHJA**  
Finland

**OMEGNA**  
Italy

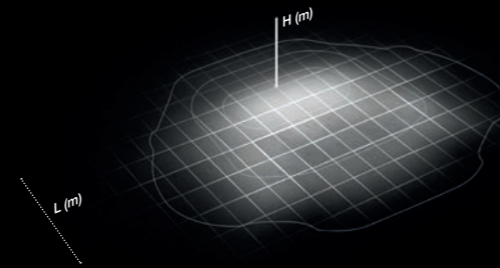


OTTICHE / OPTICS

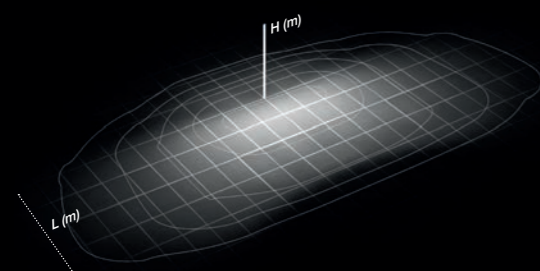
ME-01 Medium Street  
L / H = 1



LT-06 Asymmetric Beam  
L / H = 2



LA-01 Wide Street  
L / H = 1,25



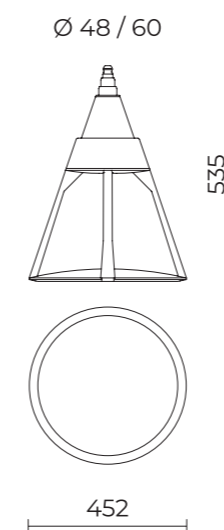
**Kalos**

Sospensione braccio / Arm suspension

**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installations:**

su bracci con attacco Ø 60 mm per pali Ø 102 mm  
on arms with Ø 60 mm fastening for poles Ø 102 mm

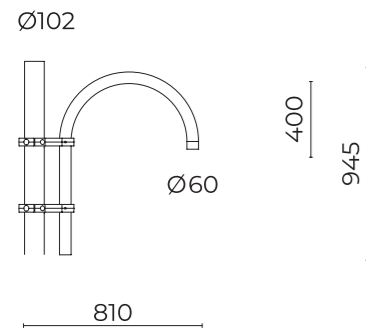


# Kalos

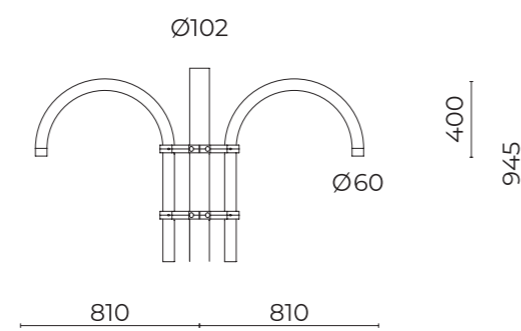
## Sospensione braccio / Arm suspension

### BRACCI / ARMS

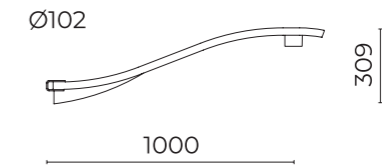
**01AK935C0**  
**B15 - Braccio pastorale per pali**  
 Curved arm for poles



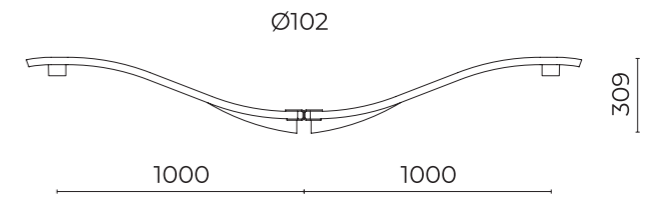
**01AK936C0**  
**B16 - Braccio pastorale doppio per pali**  
 Double curved arm for poles



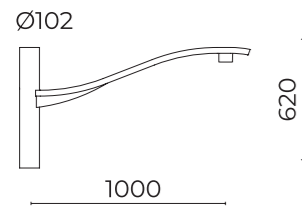
**01KA906C0**  
**B39 - Braccio per pali**  
 Arm for poles



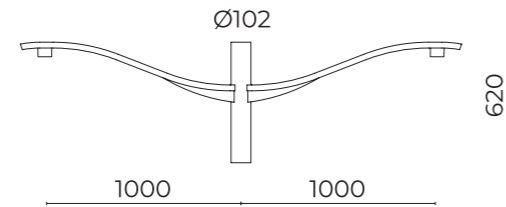
**01KA907C0**  
**B44 - Braccio doppio per pali**  
 Double arm for poles



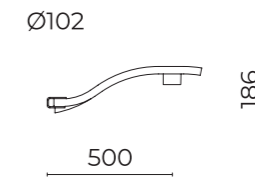
**01KA902C0**  
**B35 - Braccio per pali con codolo**  
 Ø 60 mm H 120 mm / Arm for poles with fastening part Ø 60 mm H 120 mm



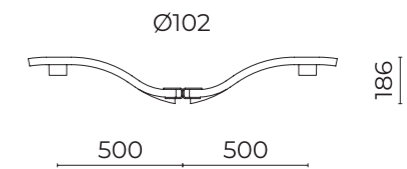
**01KA903C0**  
**B36 - Braccio doppio per pali con codolo**  
 Ø 60 mm H 120 mm / Double arm for poles with fastening part Ø 60 mm H 120 mm



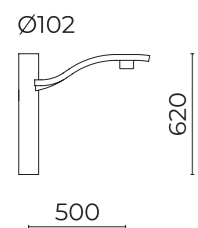
**01KA908C0**  
**B45 - Braccio per pali**  
 Arm for poles



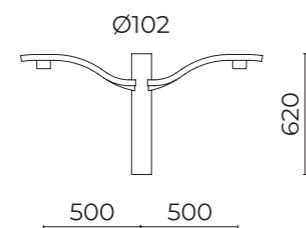
**01KA909C0**  
**B46 - Braccio doppio per pali**  
 Double arm for poles



**01KA904C0**  
**B37 - Braccio per pali con codolo Ø 60 mm**  
 H 120 mm / Arm for poles with fastening part Ø 60 mm H 120 mm

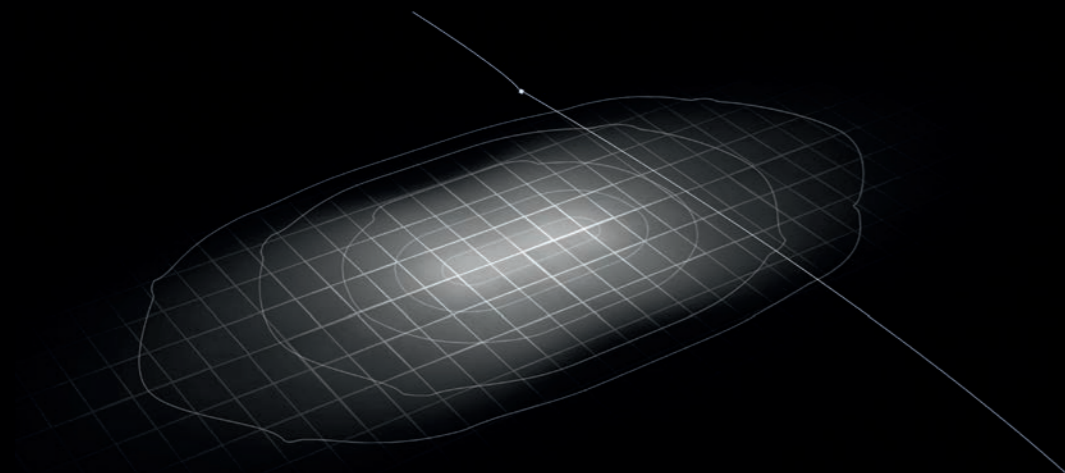


**01KA905C0**  
**B38 - Braccio doppio per pali con codolo Ø 60 mm**  
 H 120 mm / Double arm for poles with fastening part Ø 60 mm H 120 mm



**01AK907C0**  
**L16 - Kit sospensione maschio**  
 Male suspension kit





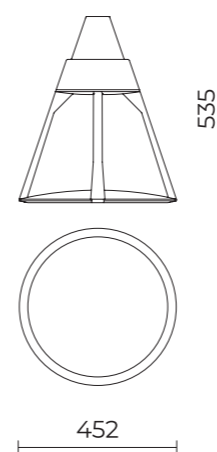
## Kalos

Sospensione tesata / String suspension

### DATI TECNICI / TECHNICAL DATA

**Installazione / Installations:**  
fune tesata / string suspension

**Orientabilità / Adjustability:**  
0° ÷ 360°

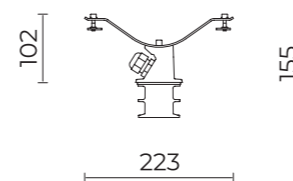


### ACCESSORI / ACCESSORIES

#### 01KA925CO

**Kit sospensione fune tesata Ø 6 ÷ 12 mm**

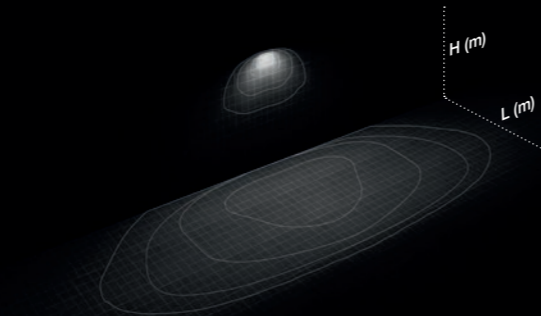
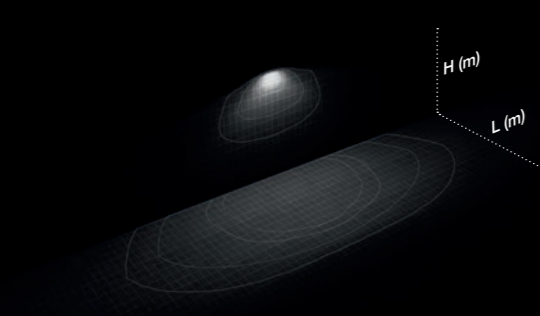
Suspension kit for string Ø 6 ÷ 12 mm



OTTICHE / OPTICS

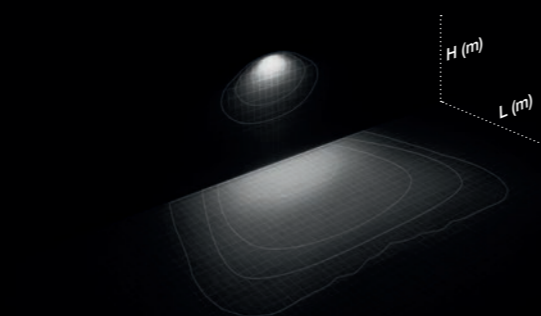
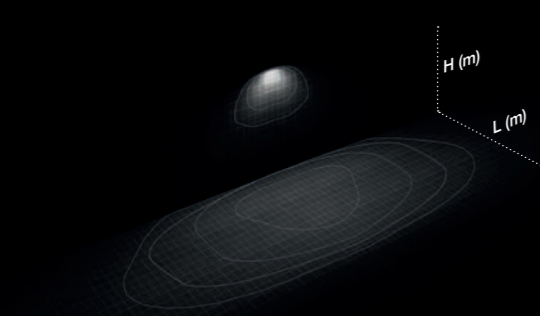
ST-01 Narrow Street  
L / H = 0,75

LA-01 Wide Street  
L / H = 1,25



ME-01 Medium Street  
L / H = 1

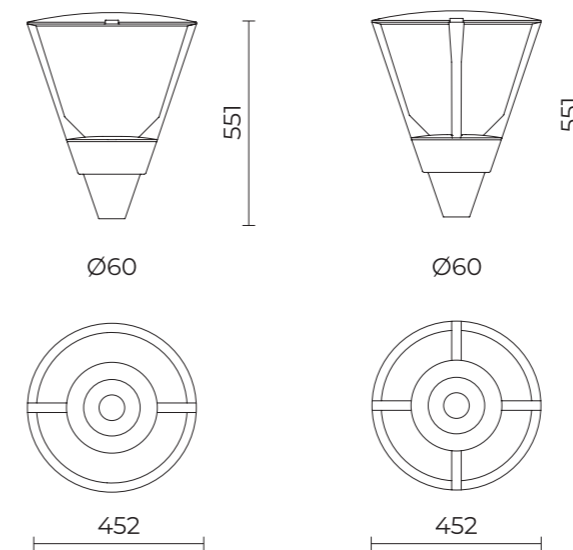
LT-06 Asymmetric Beam  
L / H = 2



**Kalos**  
Parete / Wall

**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installations:**  
su bracci a parete / on wall-mounted arms

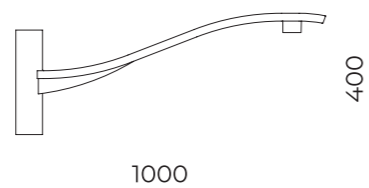


## Kalos

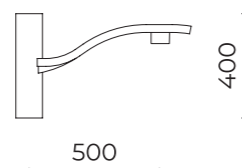
Parete / Wall

### BRACCI / ARMS

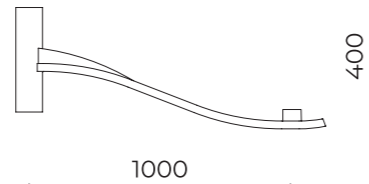
01KA910CO  
B39-P - Braccio parete DOWN  
Arm wall-mounted DOWN



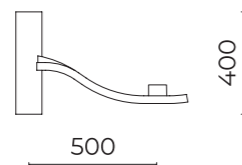
01KA911CO  
B45-P - Braccio parete DOWN  
Arm wall-mounted DOWN



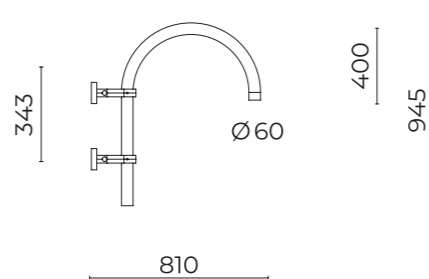
01KA910CO  
B39-P - Braccio parete UP  
Arm wall-mounted UP



01KA911CO  
B45-P - Braccio parete UP  
Arm wall-mounted UP



01AK950CO  
B15-P - Braccio pastorale parete  
Curved arm for wall





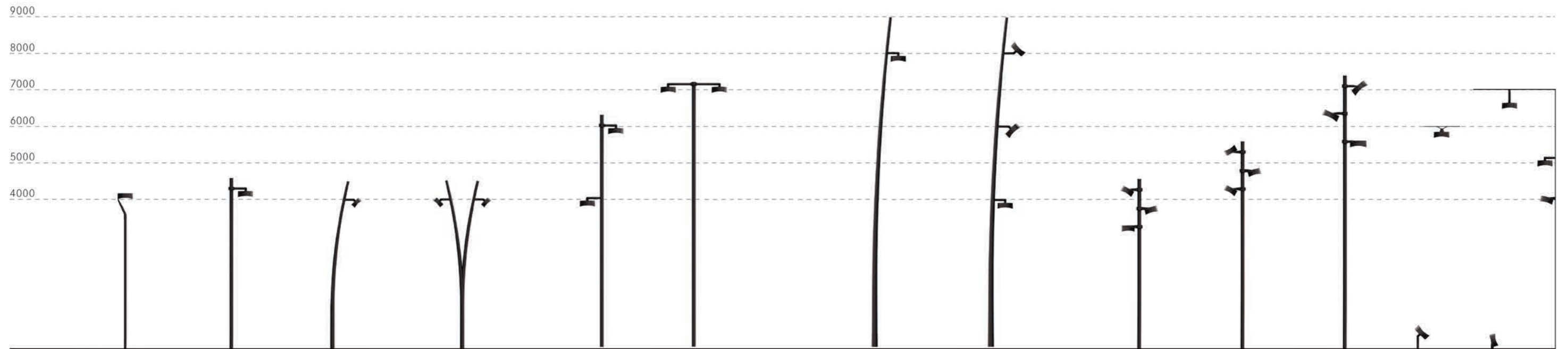
# KOSMOS

KOSMOS è un sistema completo e flessibile per l'illuminazione di vuoti e pieni urbani: percorsi, spazi e architetture.

KOSMOS is a complete flexible system for lighting empty and full urban locations: pathways, spaces and architecture.







220 240V	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1355 (1800 K) - 16150 lm

**Potenza apparecchio / Fitting power:**  
12 - 108 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente / Smart Lighting:**  
mezzanotte virtuale. Su richiesta DALI, ZHAGA, CLO, PLC, telegestione wireless  
virtual midnight. On request DALI, ZHAGA, CLO, PLC, wireless telemanagement

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100 (contenuto rame < 1%) / die-cast aluminum alloy UNI EN AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere realizzata in 16 fasi per la miglior resistenza agli agenti atmosferici / phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

#### COLORI / COLOURS

● SABLÉ 100 NOIR

#### ECO-CENTRIC LIGHTING (ECL)

(ONLY FOR STREET OPTICS)

##### BLUE FREE LIGHT:

PC-AMBER 0,7%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) – CRI 40  
1800 K 4,3%  $\Sigma R$  ( $\lambda < 500\text{NM}$ ) – CRI 70

##### SWITCHABLE WHITE LIGHT:

1800K / 3000K

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
3,5 kg (small), 7,5 kg (medium)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Precablaggio / Pre-wiring:**  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

**Installazione / Installation:**  
testa palo, lato palo, sospensione braccio, sospensione tesata, parete, sottoportico  
post top, pole side, suspension arm, string suspension, wall, arcade





**ODENA**  
Spain



**KIEV**  
Ukraine



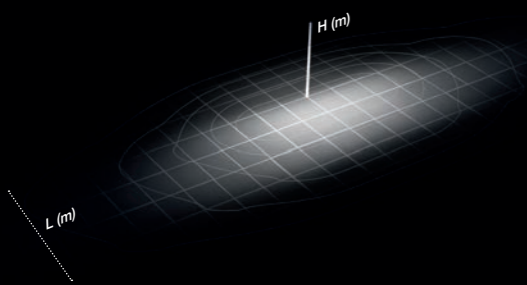
**NERVI**  
Italy

**CAPACCIO PAESTUM**  
Italy

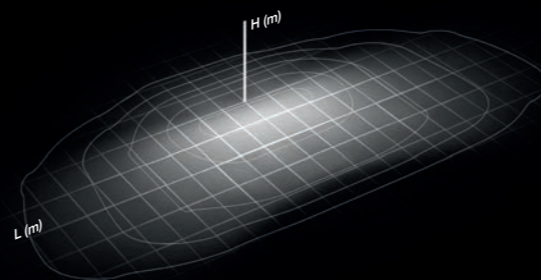


OTTICHE / OPTICS

LT-C1 Cycle Path  
L / H = 0,5

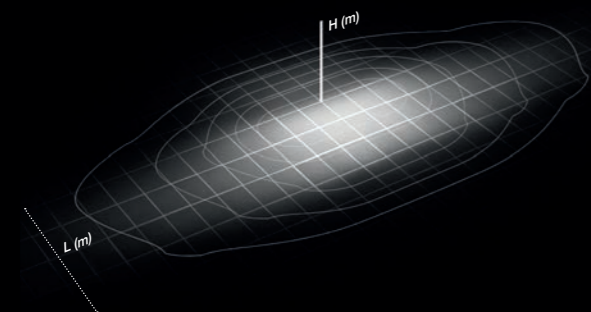


LA-03 Wide Street  
L / H = 1,25



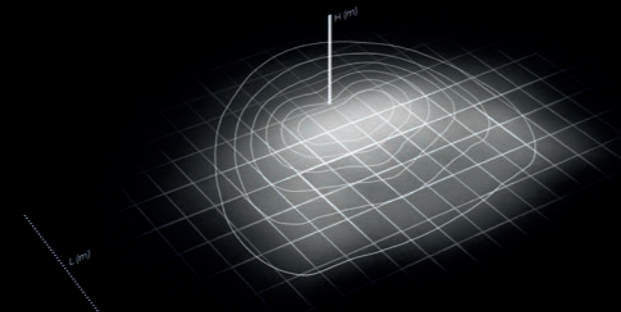
ECL

ST-02 Narrow Street  
L / H = 0,75



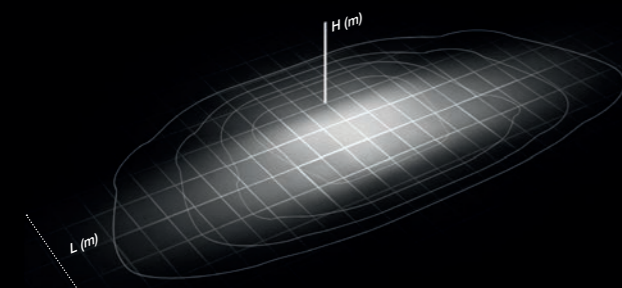
ECL

LT-64 Asymmetric Beam with backlight  
L / H = 2



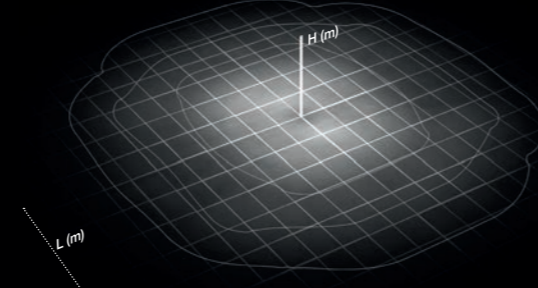
ECL

ME-05 Medium Street  
L / H = 1



ECL

RS-02 Rotosymmetric Beam  
L / H = 2

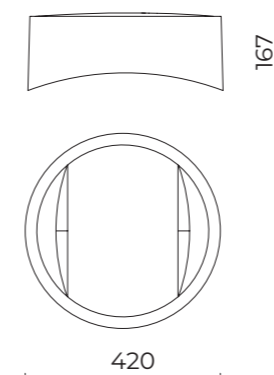


**Kosmos**  
Testa palo / Post top

**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installations:**  
con accessorio 06KS901C0 su pali Ø 76 mm, con riduzione Ø 60 mm / with accessory 06KS901C0 on poles Ø 76 mm, with reduction Ø 60 mm

MEDIUM

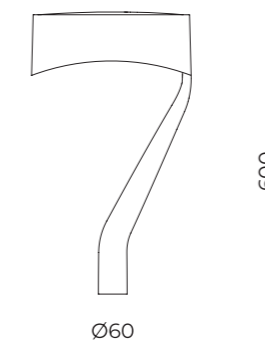


**TEMPERATURA COLORE / COLOUR TEMPERATURE**

- 2200 K
- 2700 K
- 3000 K
- 4000 K

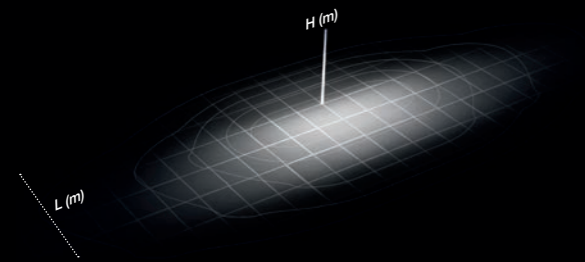
**ACCESSORI / ACCESSORIES**

**06KS901C0**  
**B81 - Chela testa palo, innesto**  
**H 90 mm / Arm for post top, fastening part H 90 mm**

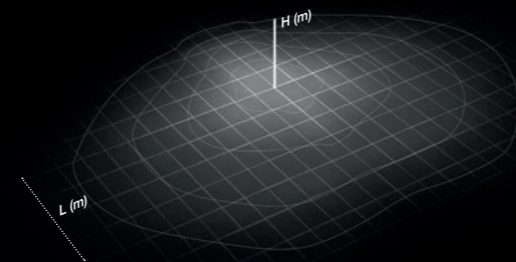


OTTICHE / OPTICS

LT-C1 Cycle Path  
L / H = 0,5

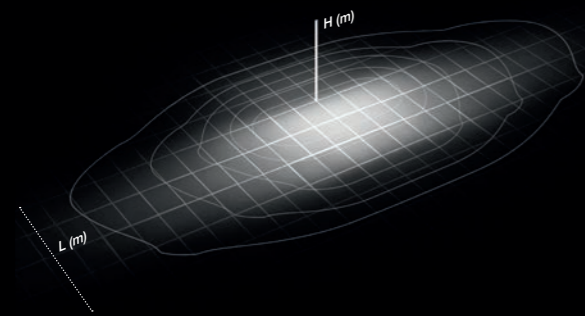


PB-01 Low Pole  
L / H = 2

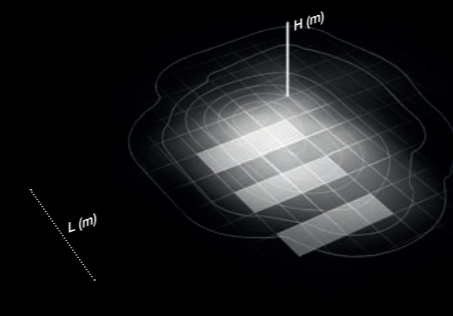


ST-02 Narrow Street  
L / H = 0,75

ECL

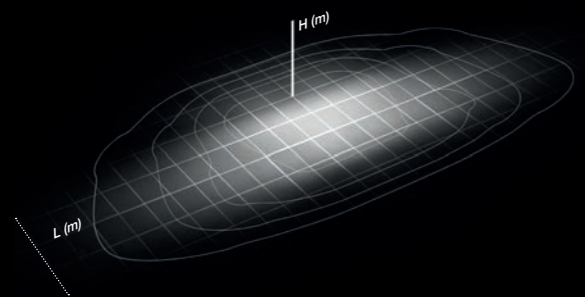


AP-D2 Pedestrian Crossing

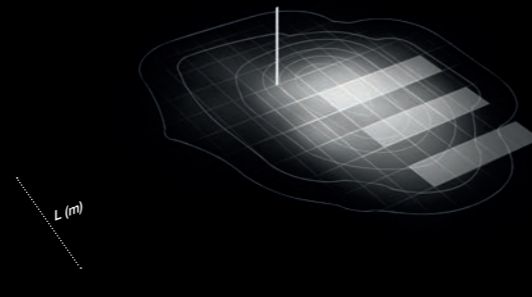


ME-05 Medium Street  
L / H = 1

ECL

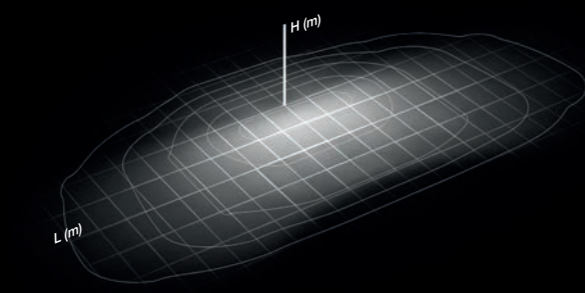


AP-S2 Pedestrian Crossing



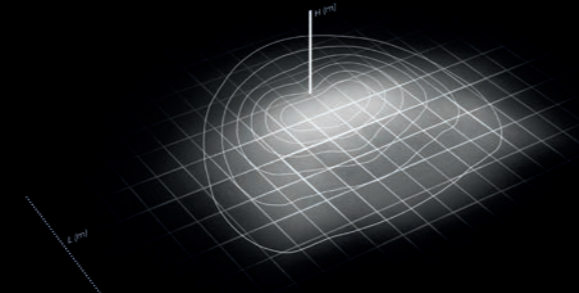
LA-03 Wide Street  
L / H = 1,25

ECL



LT-64 Asymmetric Beam with backlight  
L / H = 2

ECL



Lato palo / Pole side



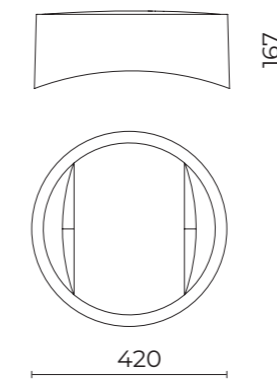
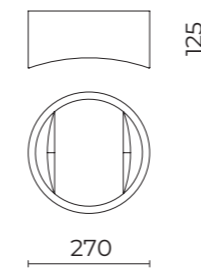
DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
con accessori, su pali Ø 60 - 76 - 102 mm  
with accessories, on poles Ø 60 - 76 - 102 mm

**Inclinazione / Inclination:**  
regolazione continua -10° ÷ +190° (in step da 5°)  
continuous adjustment -10° ÷ +190° (step 5°)

SMALL

MEDIUM



TEMPERATURA COLORE  
COLOUR TEMPERATURE

- 2200 K
- 2700 K
- 3000 K
- 4000 K

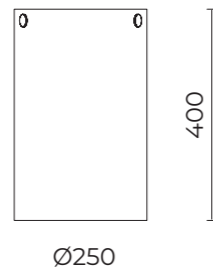


**Kosmos**  
Lato palo / Pole side

ACCESSORI / ACCESSORIES

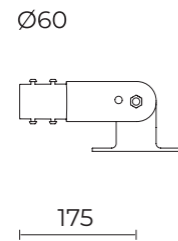
KOSMOS SMALL

**06ND901Y0**  
**Diffusore policarbonato trasparente**  
Transparent polycarbonate diffuser

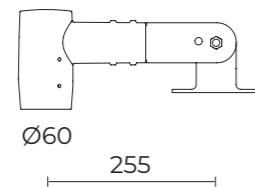


KOSMOS SMALL - MEDIUM

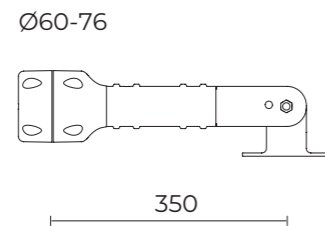
**06KS904C0**  
**B84 - Snodo per bracci**  
Joint for arms



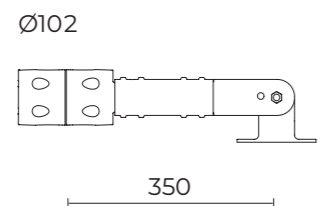
**06KS906C0**  
**B86 - Giunto testa palo, codolo H 90 mm**  
Joint for post top, fastening part H 90 mm



**06KS907C0**  
**B87 - Braccio per pali**  
Arm for poles

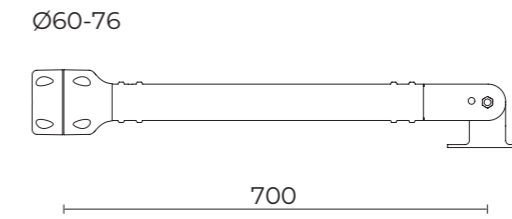


**06KS912C0**  
**B92 - Braccio per pali**  
Arm for poles

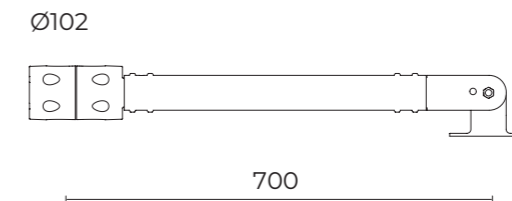


KOSMOS SMALL - MEDIUM

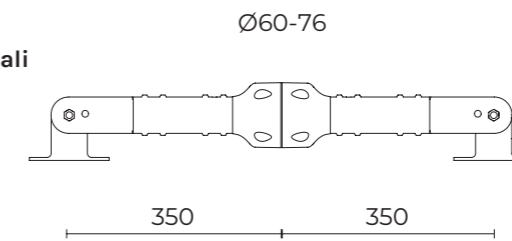
**06KS908C0**  
**B88 - Braccio per pali**  
Arm for poles



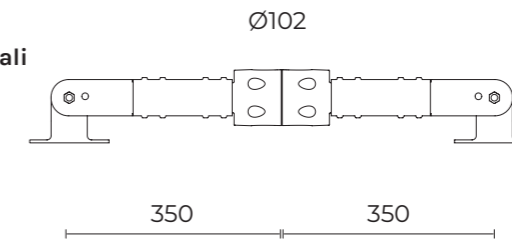
**06KS913C0**  
**B93 - Braccio per pali**  
Arm for poles



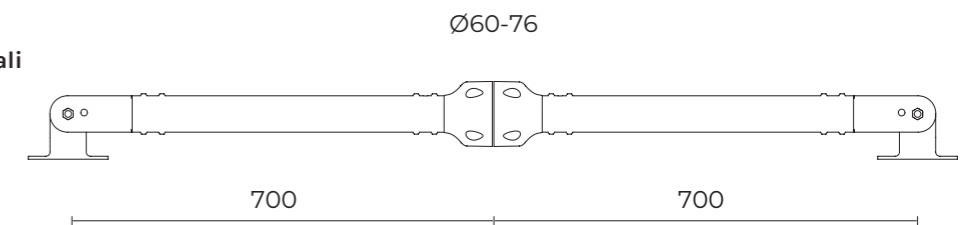
**06KS910C0**  
**B90 - Braccio doppio per pali**  
Double arm for poles



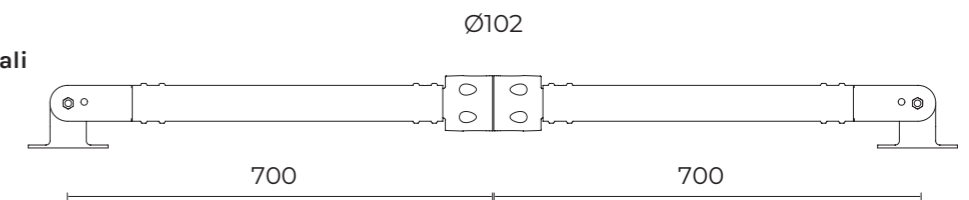
**06KS914C0**  
**B94 - Braccio doppio per pali**  
Double arm for poles



**06KS911C0**  
**B91 - Braccio doppio per pali**  
Double arm for poles



**06KS915C0**  
**B95 - Braccio doppio per pali**  
Double arm for poles

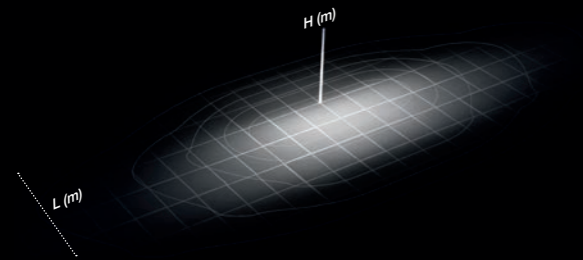




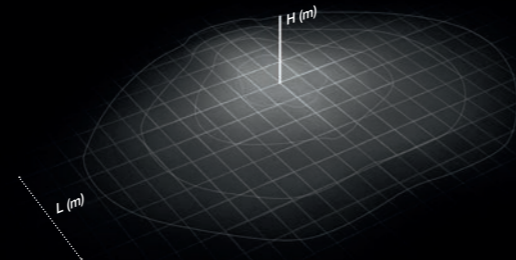


OTTICHE / OPTICS

LT-C1 Cycle Path  
L / H = 0,5

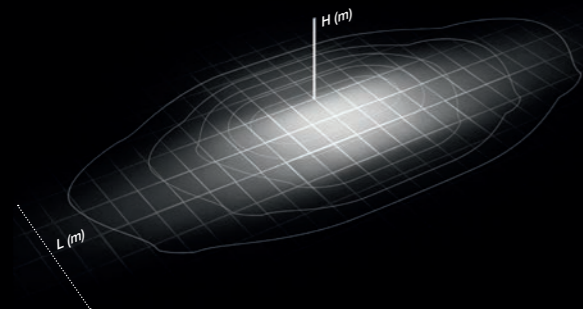


PB-01 Low Pole  
L / H = 2

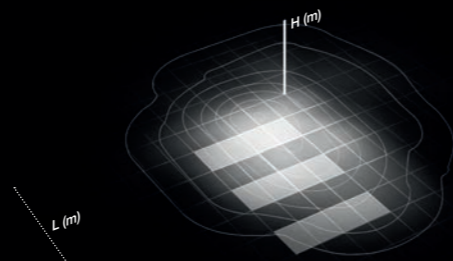


ST-02 Narrow Street  
L / H = 0,75

ECL

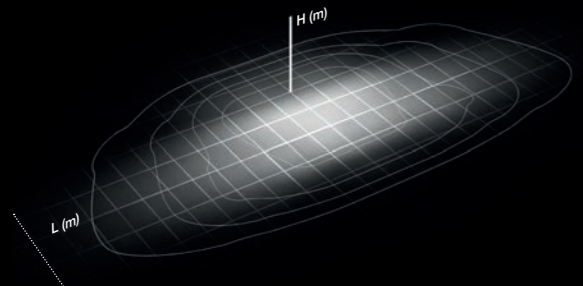


AP-D2 Pedestrian Crossing

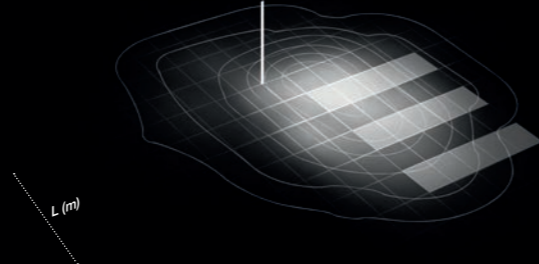


ME-05 Medium Street  
L / H = 1

ECL

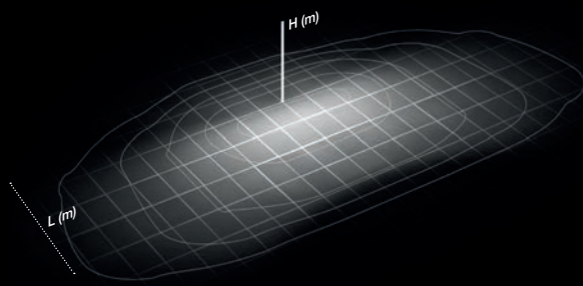


AP-S2 Pedestrian Crossing



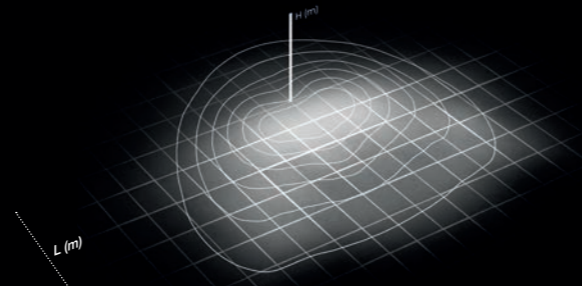
LA-03 Wide Street  
L / H = 1,25

ECL



LT-64 Asymmetric Beam with backlight  
L / H = 2

ECL



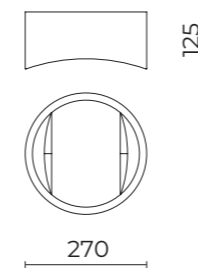
Sospensione braccio / Arm suspension

DATI TECNICI / TECHNICAL DATA

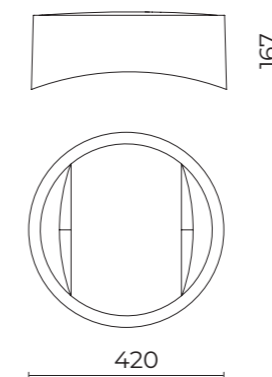
**Installazione / Installation:**  
con accessorio 06KS903C0 su bracci  
per pali Ø 102 mm  
with accessory 06KS903C0 on arms  
for poles Ø 102 mm



SMALL



MEDIUM



TEMPERATURA COLORE  
COLOUR TEMPERATURE

- 2200 K
- 2700 K
- 3000 K
- 4000 K

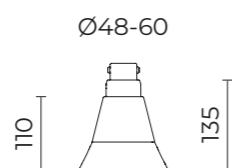


## Kosmos

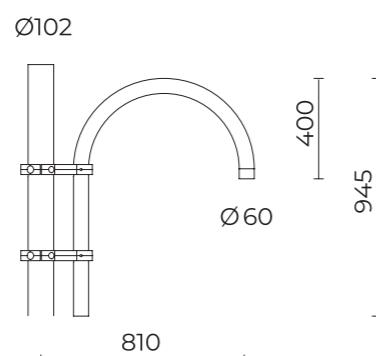
Sospensione braccio / Arm suspension

### ACCESSORI / ACCESSORIES

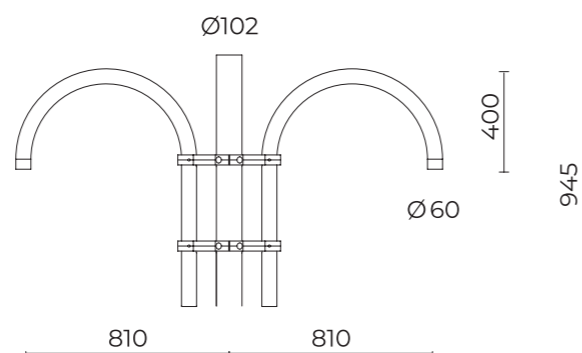
**06KS903CO**  
**B79 - Kit fissaggio su bracci pastorali**  
Fastening kit on curved arms



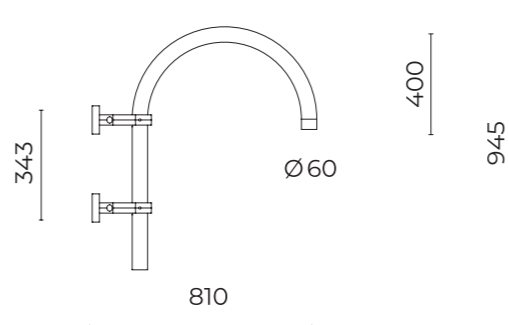
**01AK935CO**  
**B15 - Braccio pastorale per pali**  
Curved arm for poles



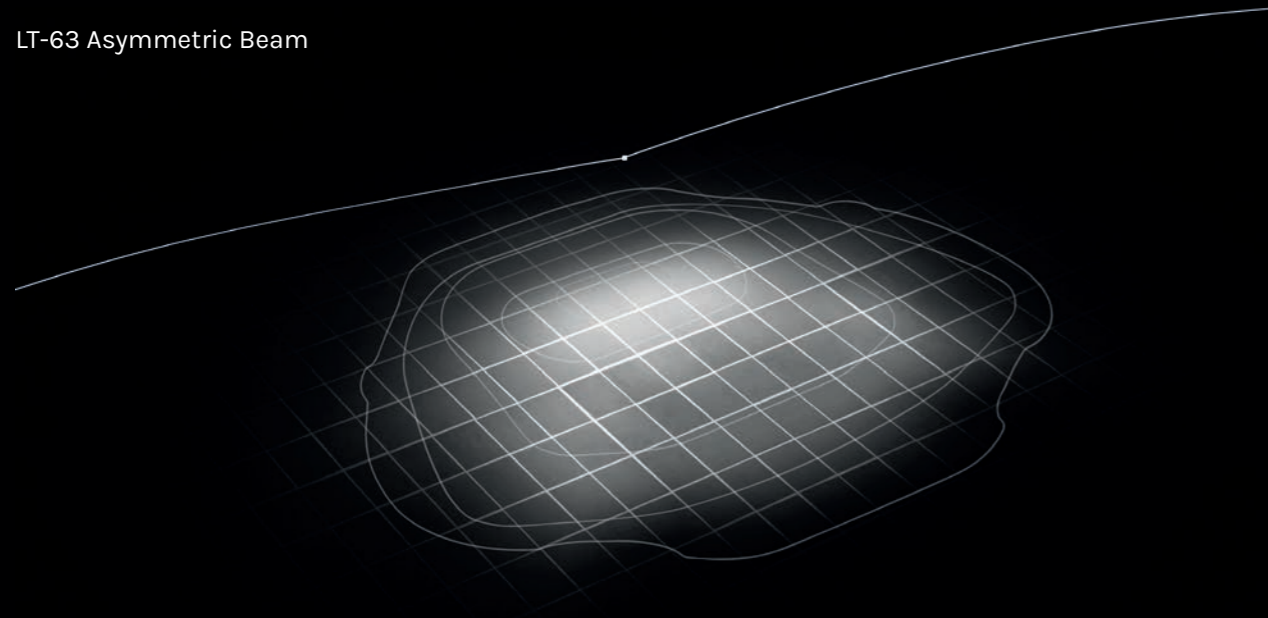
**01AK936CO**  
**B16 - Braccio pastorale doppio per pali**  
Double curved arm for poles



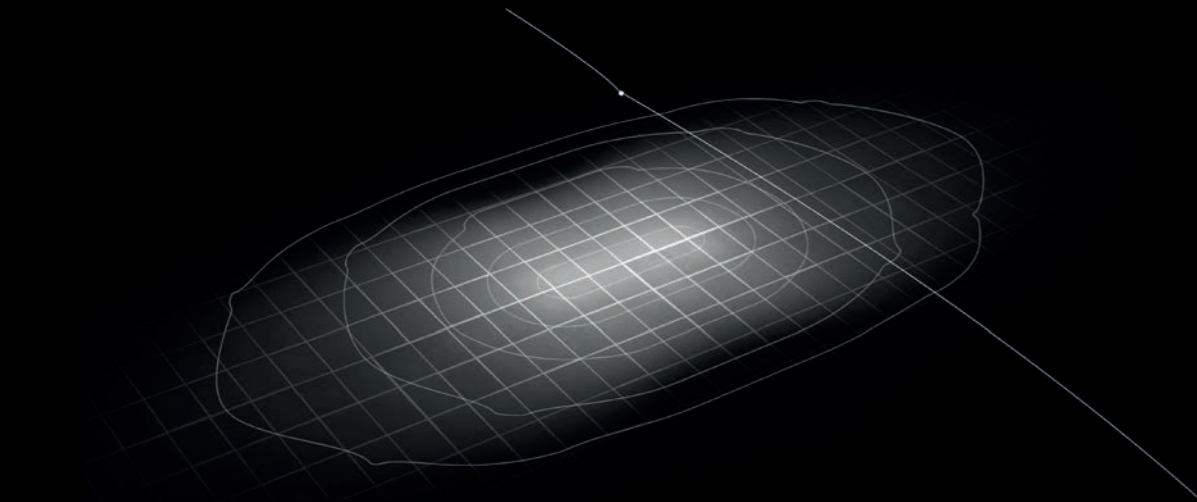
**01AK950CO**  
**B1-P - Braccio pastorale parete**  
Curved arm for wall



LT-63 Asymmetric Beam



SO-02 Street Centered



**Kosmos**  
Sospensione tesata  
String suspension

**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
sospensione tesata / string suspension

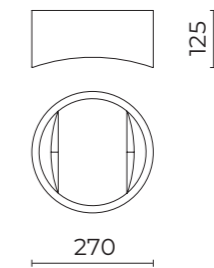
**Inclinazione / Inclination:**  
orizzontale  $\pm 15^\circ$  / horizontal  $\pm 15^\circ$

**Orientabilità / Adjustability:**  
 $0^\circ + 360^\circ$

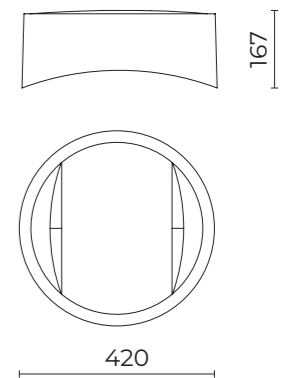
**TEMPERATURA COLORE  
COLOUR TEMPERATURE**

- 2200 K
- 3000 K
- 4000 K

SMALL

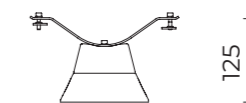


MEDIUM

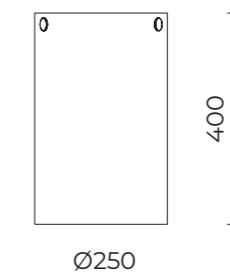


**ACCESSORI / ACCESSORIES**

**06KS902C0**  
B80 - Kit sospensione su  
fune tesata  $\varnothing 6 \div 12$  mm  
Suspension kit for string  $\varnothing 6 \div 12$  mm



**06ND901Y0**  
Diffusore policarbonato trasparente  
Kosmos small  
Transparent polycarbonate diffuser  
Kosmos small



OTTICHE / OPTICS

LT-C1 Cycle Path  
L / H = 0,5

LA-03 Wide Street  
L / H = 1,25

ST-02 Narrow Street  
L / H = 0,75

PB-01 Low Pole  
L / H = 2

ME-05 Medium Street  
L / H = 1

LT-63 Asymmetric Beam  
L / H = 2

**Kosmos**  
Parete / Wall

**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
su bracci a parete / on wall-mounted arms

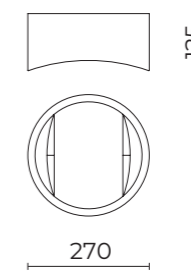
**Inclinazione / Inclination:**  
regolazione -10° ÷ +190° (in step da 5°)  
adjustment -10° ÷ +190° (step 5°)



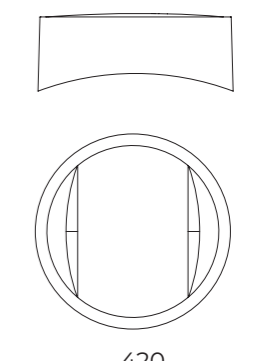
**TEMPERATURA COLORE**  
**COLOUR TEMPERATURE**

- 3000 K
- 4000 K

SMALL

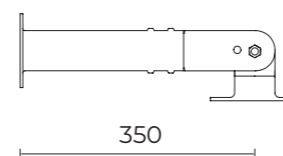


MEDIUM

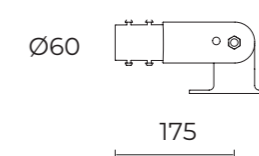


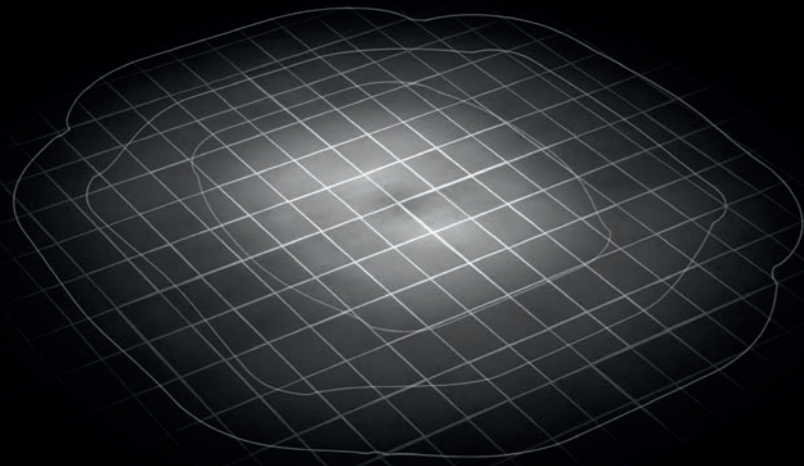
**ACCESSORI / ACCESSORIES**

**06KS905C0**  
**B85-P - Braccio parete**  
Arm for wall-mounting



**06KS904C0**  
**B84 - Snodo per bracci**  
Joint for arms





**Kosmos**  
Soffitto / Ceiling

Cariboni Group

**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
soffitto, sottoportico  
ceiling, arcade

**Inclinazione / Inclination:**  
regolazione -10° ÷ +190° (in step da 5°)  
adjustment -10° ÷ +190° (step 5°)

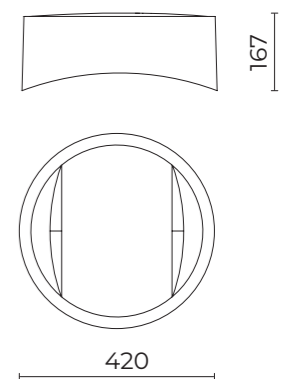
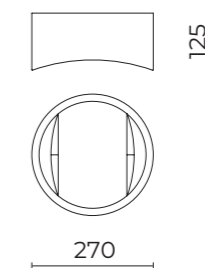


**TEMPERATURA COLORE**  
**COLOUR TEMPERATURE**

- 3000 K
- 4000 K

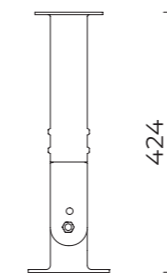
SMALL

MEDIUM

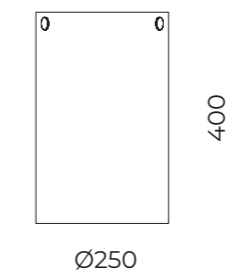


**ACCESSORI / ACCESSORIES**

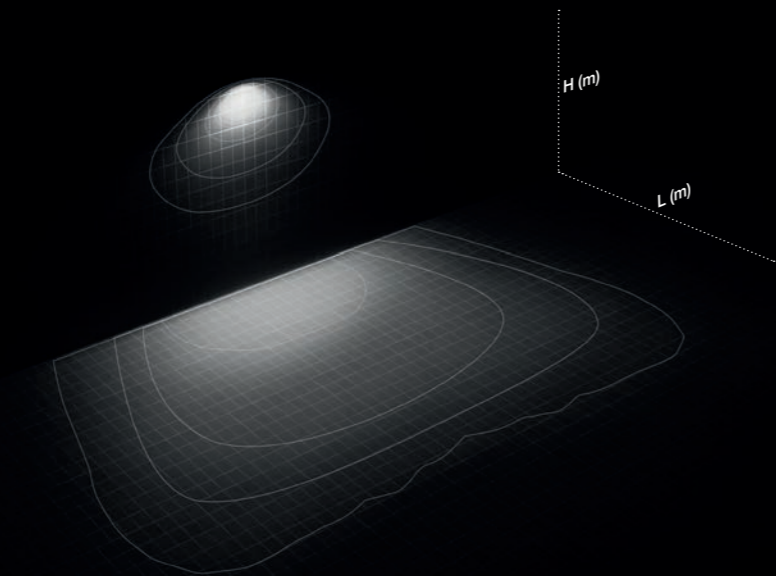
**06KS905C0**  
**B85-P - Attacco soffitto, sottoportico**  
Ceiling or arcade mounted



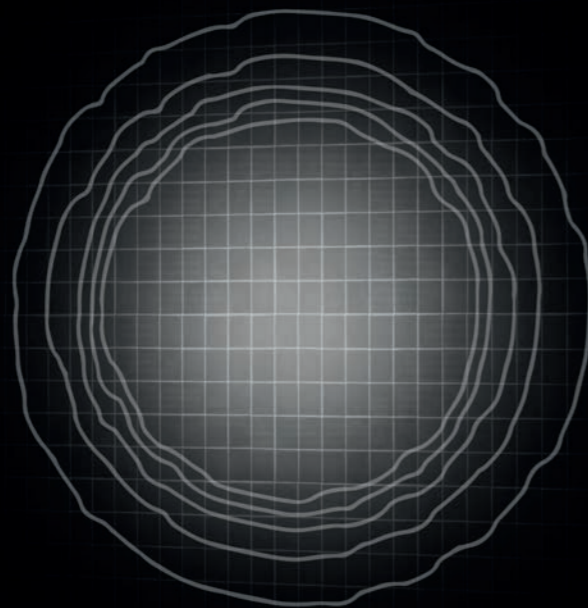
**06ND901Y0**  
**Diffusore policarbonato trasparente Kosmos small**  
Transparent polycarbonate diffuser Kosmos small



LT-63 Asymmetric Beam  
L / H = 2



LR-20 Medium Beam



# Kosmos Flood

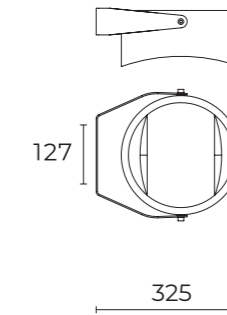
## DATI TECNICI / TECHNICAL DATA

**Peso massimo / Max weight:**  
4,2 kg (small), 9,2 kg (medium)

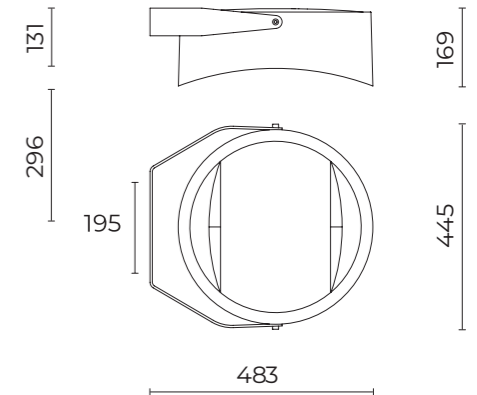
**Installazione / Installation:**  
superfici orizzontali e verticali  
horizontal and vertical surfaces

**Inclinazione / Inclination:**  
regolazione continua -25° ÷ +205°  
continuous adjustment -25° ÷ +205°

SMALL



MEDIUM

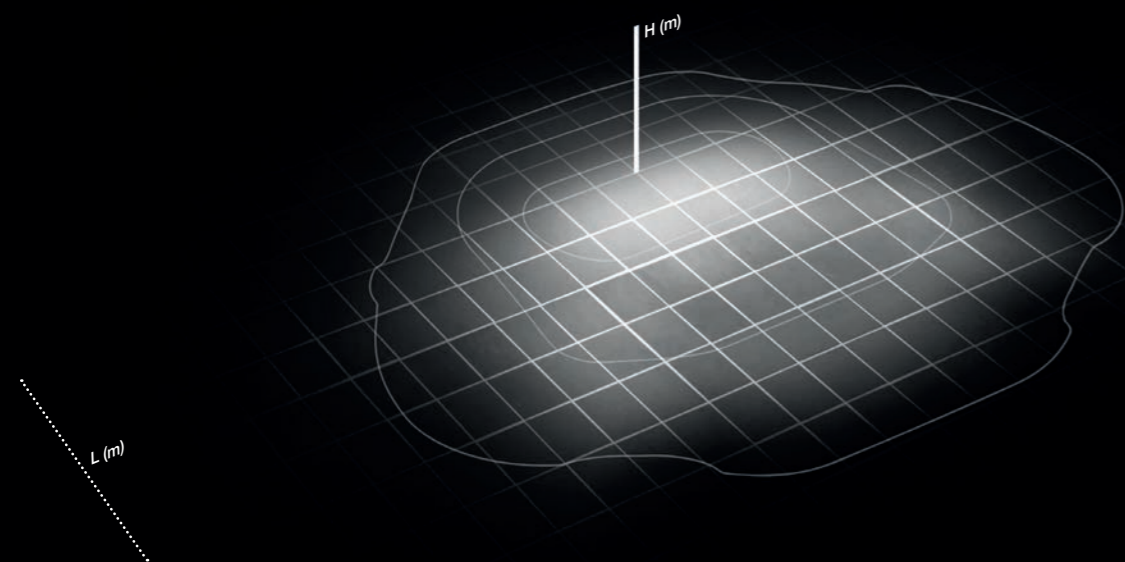


### TEMPERATURA COLORE COLOUR TEMPERATURE

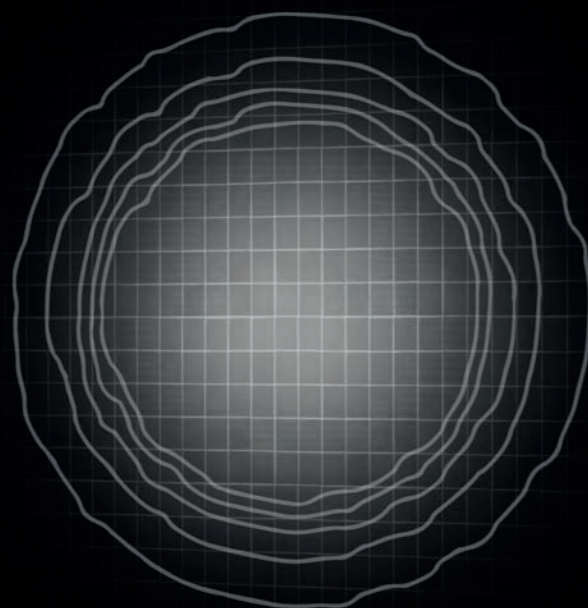
- 2200 K
- 3000 K
- 4000 K



LT-63 Asymmetric Beam  
L / H = 2



LR-20 Medium Beam



**Kosmos**  
Flood

**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
con accessori su pali Ø 60 - 76 - 102 mm  
with accessories on poles Ø 60 - 76 - 102 mm

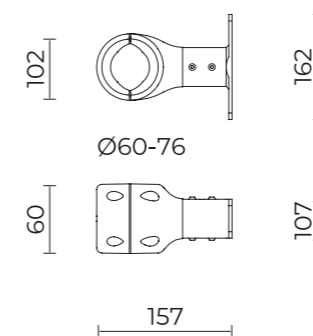
**Inclinazione / Inclination:**  
regolazione continua -25° ÷ +205°  
continuous adjustment -25° ÷ +205°

**TEMPERATURA COLORE**  
COLOUR TEMPERATURE

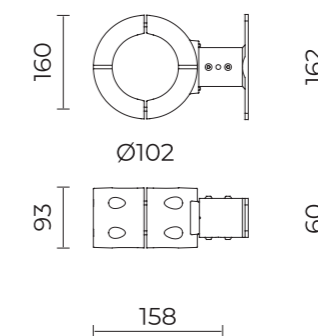
- 2200 K
- 3000 K
- 4000 K

**ACCESSORI / ACCESSORIES**

**06KS916C0**  
**B78 - Kit attacco staffa-palo**  
Attachment kit for bracket-pole

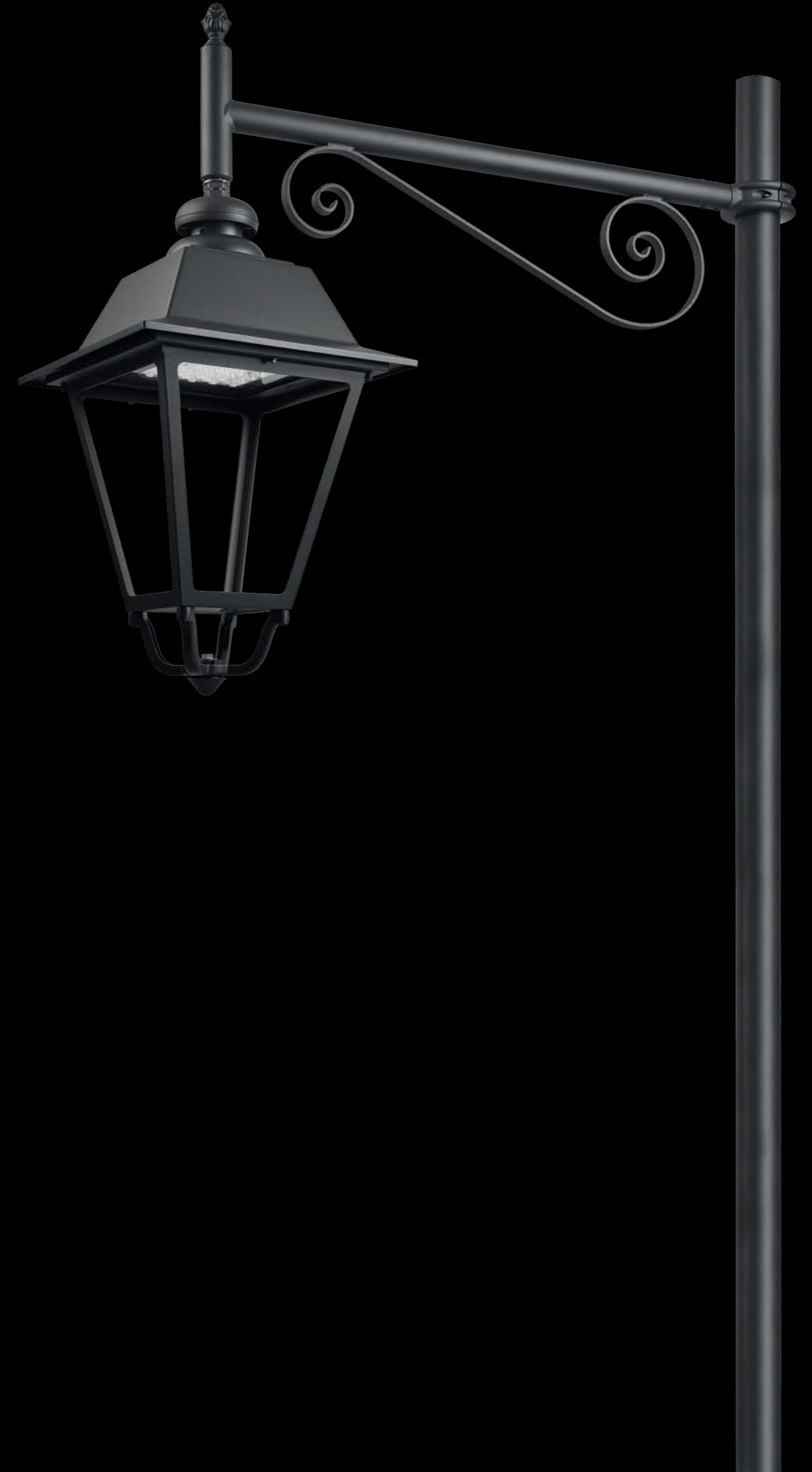


**06KS917C0**  
**B97 - Kit attacco staffa-palo**  
Attachment kit for bracket-pole





# AGATHOS



AGATHOS è una lanterna dalle forme tradizionali ma progettata specificatamente per alloggiare la più innovativa tecnologia LED.

AGHATOS is a lantern with traditional shapes but specifically designed to house the most innovative led technology.



**MONZA**  
Italy



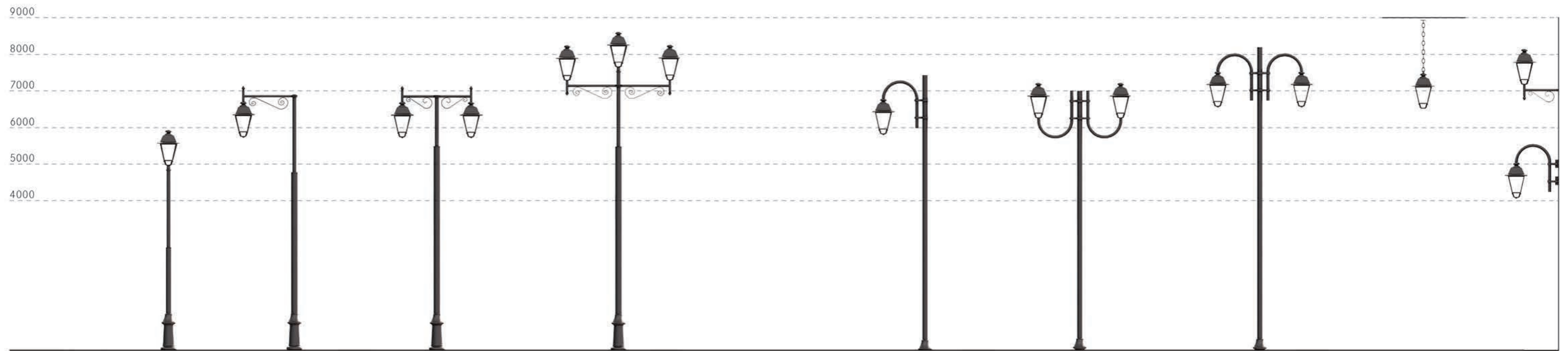
**PORTO VENERE**  
Italy



**BUSSETO**  
Italy

**TURKU**  
Finland





220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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**DATI PRESTAZIONALI / PERFORMANCE DATA**

**Flusso apparecchio / Fitting flux:**  
1355 (1800 K) - 10835 lm

**Potenza apparecchio / Fitting power:**  
12 - 78 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente / Smart Lighting:**  
mezzanotte virtuale. Su richiesta DALI, CLO, PLC,  
telegestione wireless  
virtual midnight. On request DALI, CLO, PLC,  
wireless telemanagement

**MATERIALI / MATERIALS**

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

**TEMPERATURA COLORE  
COLOUR TEMPERATURE**

- 2200 K
- 2700 K
- 3000 K
- 4000 K

**ECO-CENTRIC LIGHTING (ECL)  
(ONLY FOR STREET OPTICS)**

**BLUE FREE LIGHT:**  
PC-AMBER 0,7% ΣR (λ < 500NM) – CRI 40  
1800 K 4,3% ΣR (λ < 500NM) – CRI 70

**SWITCHABLE WHITE LIGHT:**  
1800K / 3000K

**COLORI / COLOURS**

- SABLÉ 100 NOIR

**CARATTERISTICHE / FEATURES**

**Peso massimo / Max weight:**  
8 kg

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

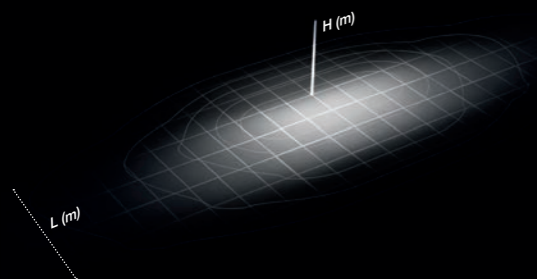
**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Installazione / Installation:**  
testa palo, lato palo, sospensione braccio, parete,  
sottoportico / post top, pole side, arm suspension,  
wall, arcade

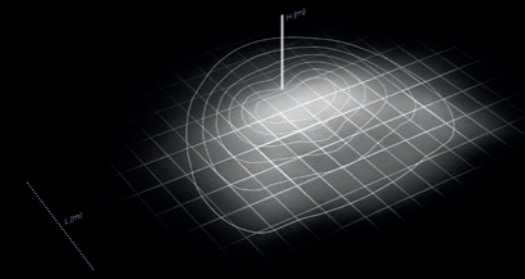


OTTICHE / OPTICS

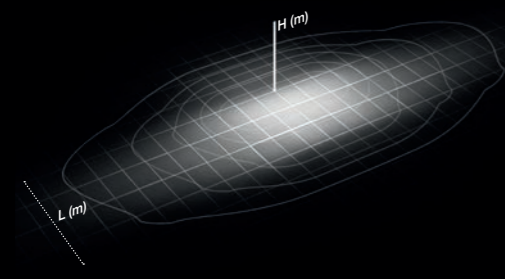
LT-C1 Cycle Path  
L / H = 0,5



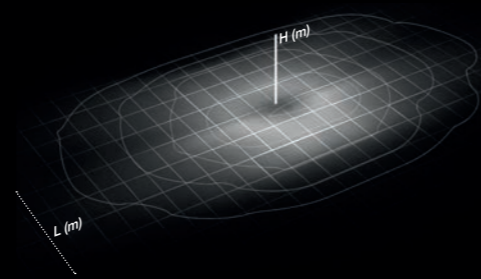
LT-64 Asymmetric Beam with backlight ECL  
L / H = 2



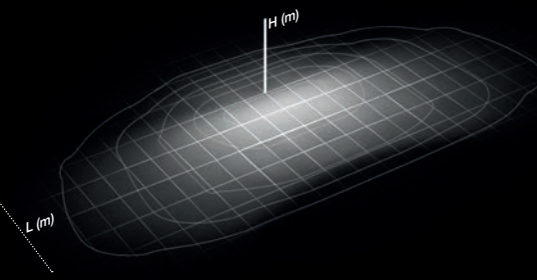
ST-02 Narrow Street ECL  
L / H = 0,75



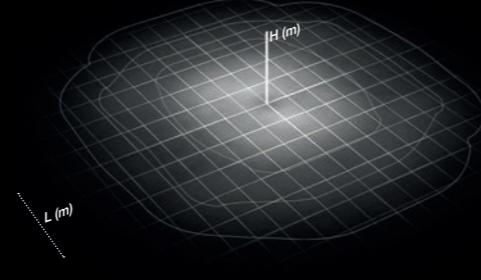
F&B ST-02 + LA-03 Front & Back  
L / H = 0,75 + 1,25



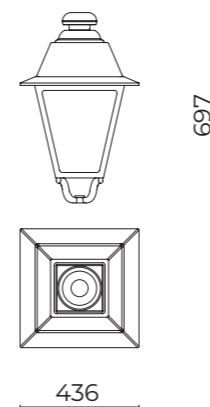
LA-03 Wide Street  
L / H = 1,25



RS-02 Rotosymmetric Beam ECL  
L / H = 2



Agathos  
Testa palo / Post top

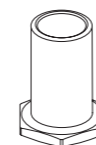


DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
pali con attacco 3/4" GAS maschio, pali cima Ø 60 mm  
innesto H 90 mm con accessorio 01AG901CO / poles with  
male 3/4" GAS connection, poles with post top Ø 60 mm and  
fastening part H 90 mm with accessory 01AG901CO

ACCESSORI / ACCESSORIES

**01AG900CO**  
Kit fissaggio per pali con  
attacco 3/4" GAS femmina  
Fastening kit on poles with  
female 3/4" GAS



**01AG901CO**  
Kit testa palo codolo H 90 mm  
Fastening kit post top H 90 mm

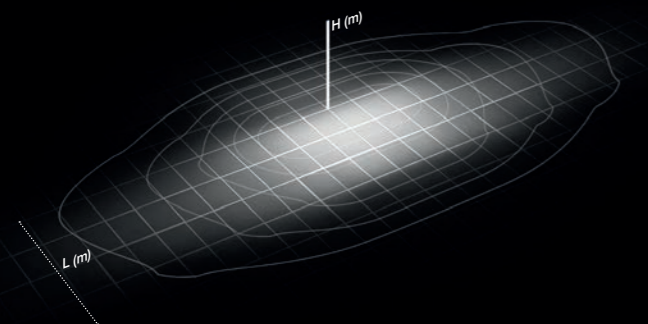


Ø60

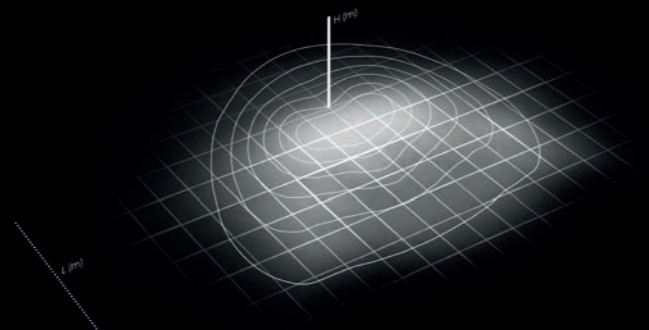


OTTICHE / OPTICS

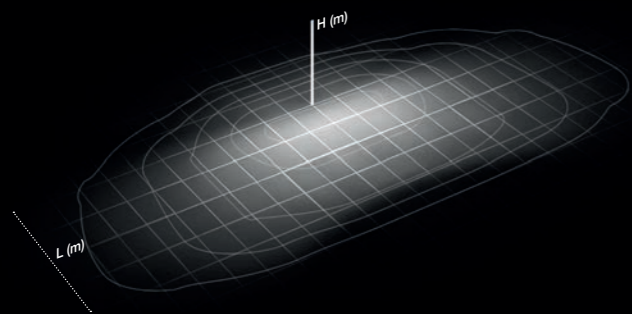
ST-02 Narrow Street  
L / H = 0,75



LT-64 Asymmetric Beam with backlight  
L / H = 2



LA-03 Wide Street  
L / H = 1,25



Agathos  
Lato palo / Pole side

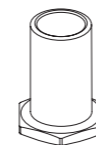


DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
su bracci con attacco 3/4" GAS maschio  
on arms with male 3/4" GAS connection

ACCESSORI / ACCESSORIES

**01AG900CO**  
Kit fissaggio per bracci UP con attacco 3/4" GAS femmina  
Fastening kit on UP arms with female 3/4" GAS

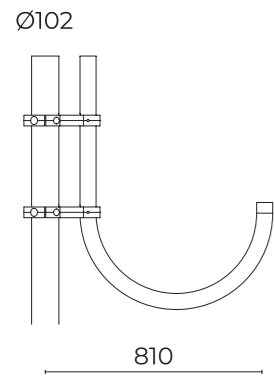


# Agathos

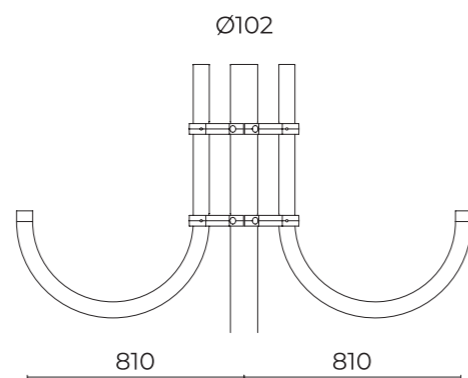
Lato palo / Pole side

## BRACCI / ARMS

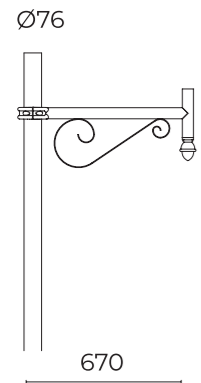
**01AG910CO**  
**B60 - Braccio pastorale UP**  
Curved arm UP



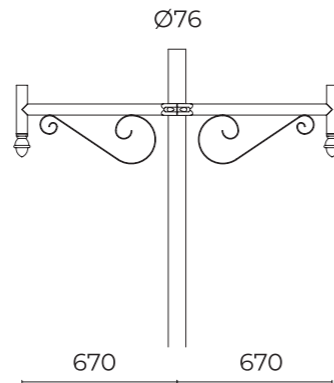
**01AG911CO**  
**B61 - Braccio pastorale doppio UP**  
Double curved arm UP



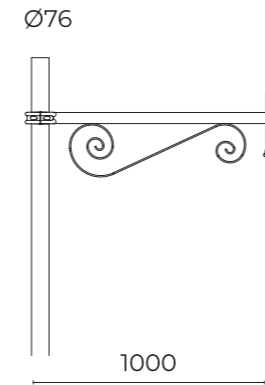
**01AG914CO**  
**B64 - Braccio UP**  
Arm UP



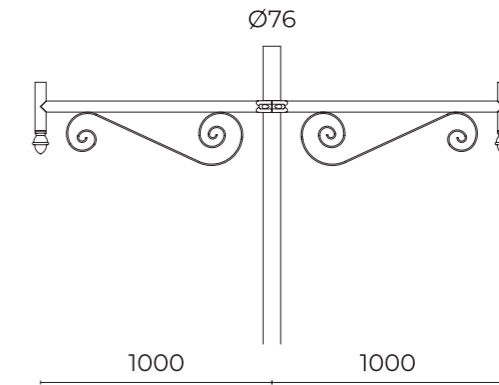
**01AG918CO**  
**B68 - Braccio doppio UP**  
Double arm UP



**01AG915CO**  
**B65 - Braccio UP**  
Arm UP

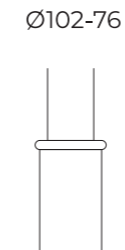


**01AG919CO**  
**B69 - Braccio doppio UP**  
Double arm UP

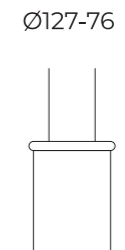


## ACCESSORI / ACCESSORIES

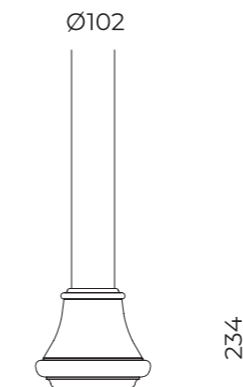
**01AK970CO**  
**Collarino per palo**  
Collar for pole



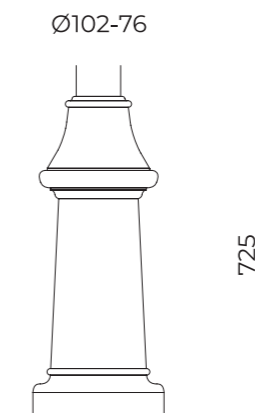
**01AK971CO**  
**Collarino per palo**  
Collar for pole



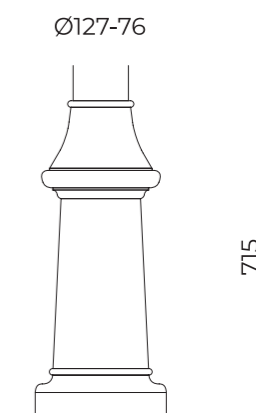
**01AK972CO**  
**Basamento basso**  
Low base



**01AK973CO**  
**Basamento alto**  
High base

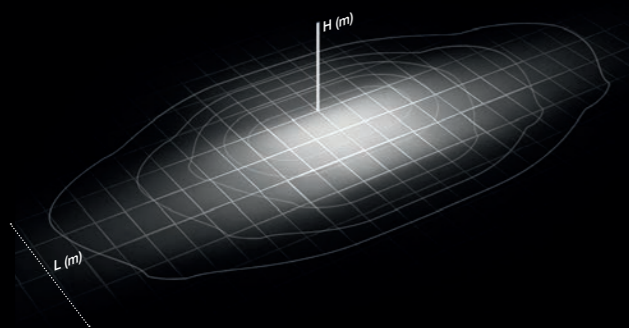


**01AK974CO**  
**Basamento alto**  
High base

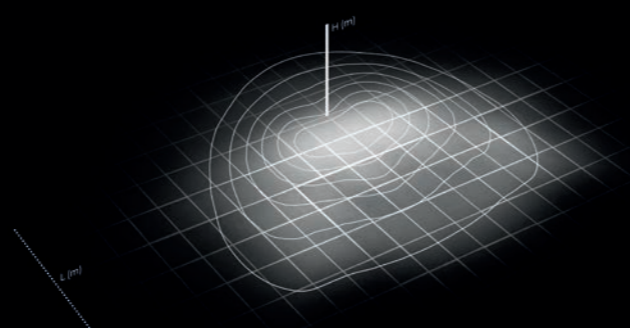


OTTICHE / OPTICS

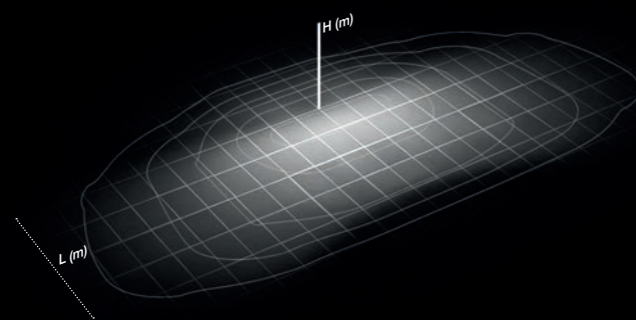
ST-02 Narrow Street  
L / H = 0,75



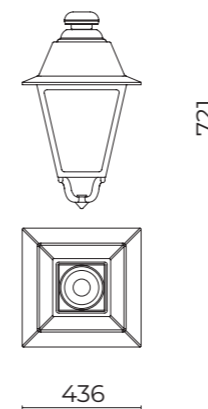
LT-64 Asymmetric Beam with backlight  
L / H = 2



LA-03 Wide Street  
L / H = 1,25



**Agathos**  
Sospensione braccio  
Arm suspension



**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
su bracci con attacco 3/4" GAS femmina  
on arms with female 3/4" GAS connection



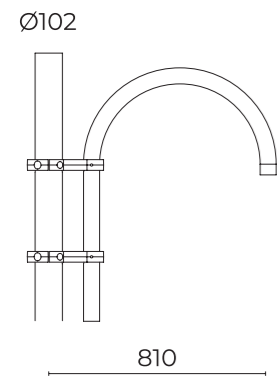


# Agathos

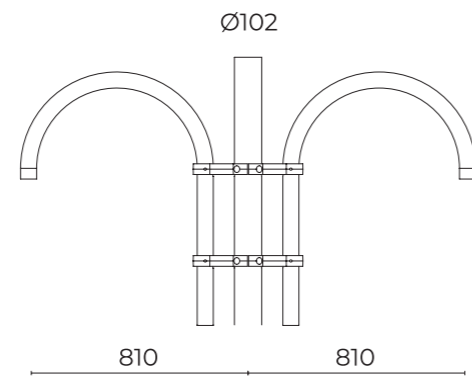
Sospensione braccio / Arm suspension

## BRACCI / ARMS

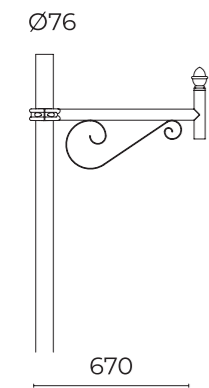
**01AG910CO**  
**B62 - Braccio pastorale DOWN**  
 Curved arm DOWN



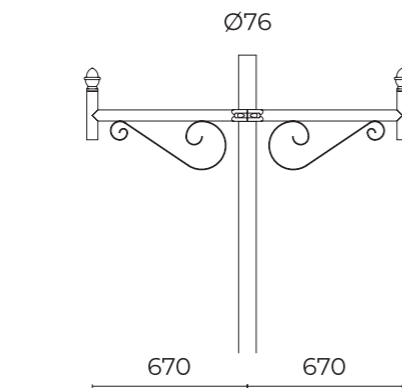
**01AG911CO**  
**B63 - Braccio pastorale doppio DOWN**  
 Double curved arm DOWN



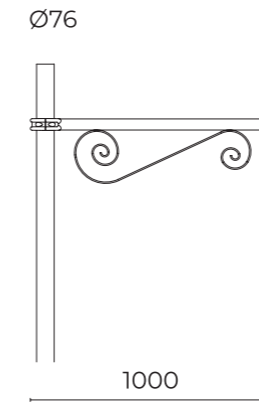
**01AG914CO**  
**B66 - Braccio DOWN**  
 Arm DOWN



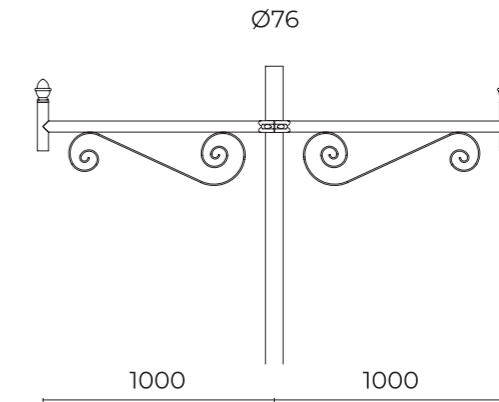
**01AG918CO**  
**B70 - Braccio doppio DOWN**  
 Double arm DOWN



**01AG915CO**  
**B67 - Braccio DOWN**  
 Arm DOWN

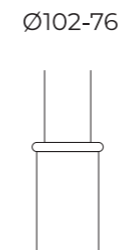


**01AG919CO**  
**B71 - Braccio doppio DOWN**  
 Double arm DOWN

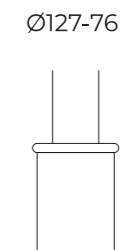


## ACCESSORI / ACCESSORIES

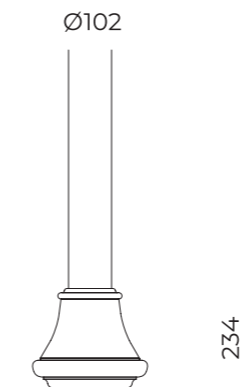
**01AK970CO**  
**Collarino per palo**  
 Collar for pole



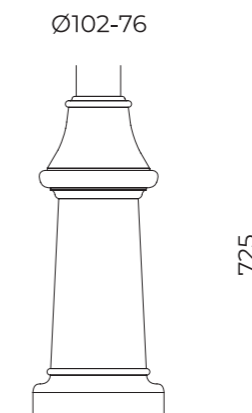
**01AK971CO**  
**Collarino per palo**  
 Collar for pole



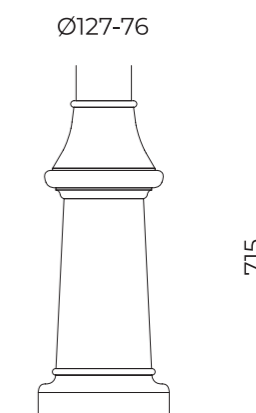
**01AK972CO**  
**Basamento basso**  
 Low base



**01AK973CO**  
**Basamento alto**  
 High base

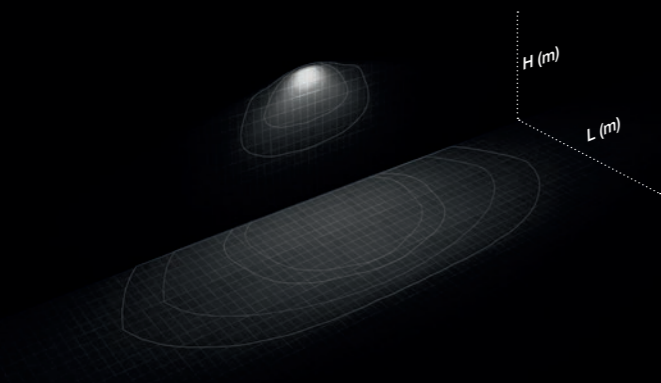


**01AK974CO**  
**Basamento alto**  
 High base

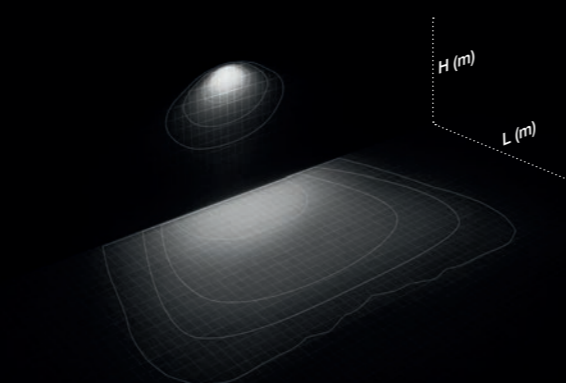


OTTICHE / OPTICS

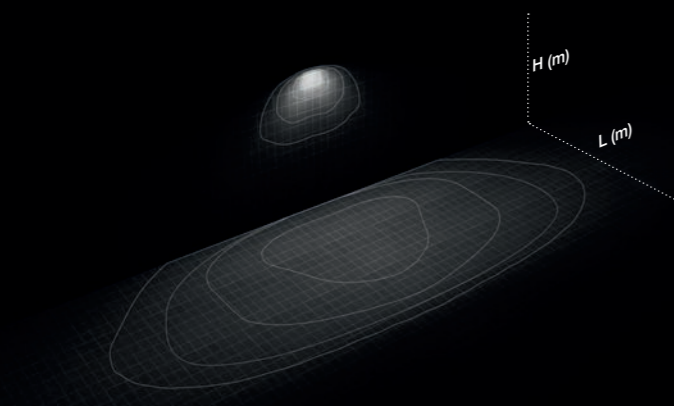
ST-02 Narrow Street  
L / H = 0,75



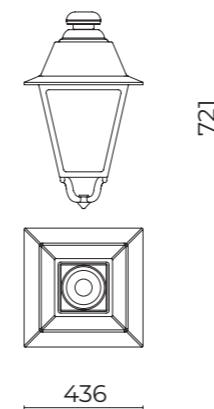
LT-63 Asymmetric Beam  
L / H = 2



LA-03 Wide Street  
L / H = 1,25



**Agathos**  
Parete / Wall

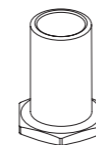


**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
su bracci a parete / on wall-mounted arms

**ACCESSORI / ACCESSORIES**

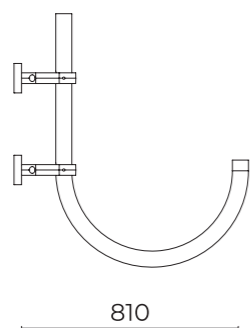
**01AG900CO**  
Kit fissaggio per bracci UP con attacco 3/4" GAS femmina  
Fastening kit on UP arms with female 3/4" GAS



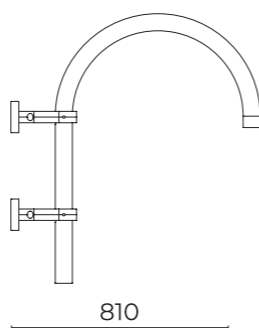
**Agathos**  
Parete / Wall

BRACCI / ARMS

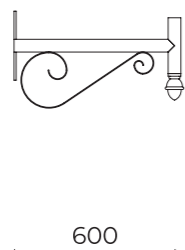
01AG922CO  
B60-P - Braccio  
pastorale UP  
Bracket UP



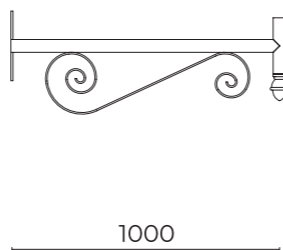
01AG923CO  
B62-P - Braccio  
pastorale DOWN  
Bracket DOWN



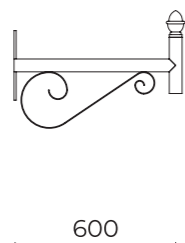
01AG924CO  
B64-P - Braccio UP  
Bracket UP



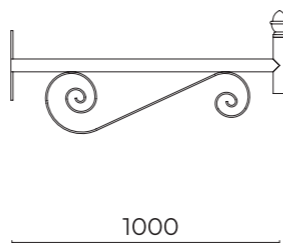
01AG925CO  
B65-P - Braccio UP  
Bracket UP

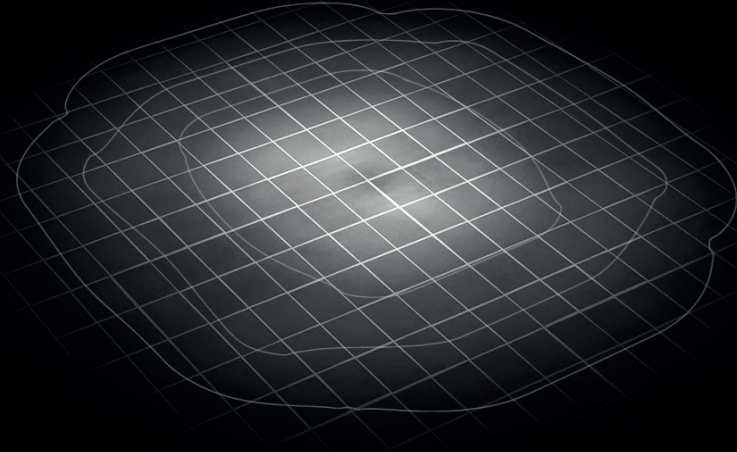


01AG926CO  
B66-P - Braccio DOWN  
Bracket DOWN

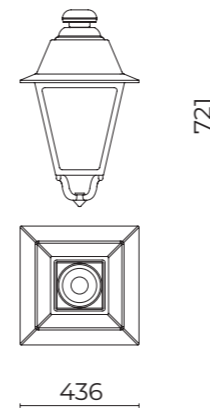


01AG927CO  
B67-P - Braccio DOWN  
Bracket DOWN



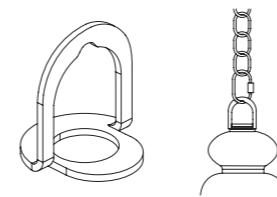


**Agathos**  
Sottoportico / Arcade



**ACCESSORI / ACCESSORIES**

**01AG903CO**  
Gancio per sospensione su catena (non compresa)  
Suspension hook on chain (not included)



# YPSILON

Flessibile all'installazione sia a testa-palo che su braccio, YPSILON è un sistema ideale per l'illuminazione di spazi e percorsi urbani. Design by Silvio De Ponte.

Flexible installation on either a post top or arm makes YPSILON ideal for lighting urban spaces and pathways. Design by Silvio De Ponte.





220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1880 - 13230 lm

**Potenza apparecchio / Fitting power:**  
13,5 - 103,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 4

**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless / virtual midnight. On request  
ZHAGA, DALI, CLO, PLC, wireless telemanagement

#### MATERIALI / MATERIALS

##### Corpo e sistemi di fissaggio

Body and fitting system:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Copertura / Upper dome:**  
tornitura di lastra di alluminio  
aluminium plate turning

**Schermo / Screen:**  
vetro piano temprato  
tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

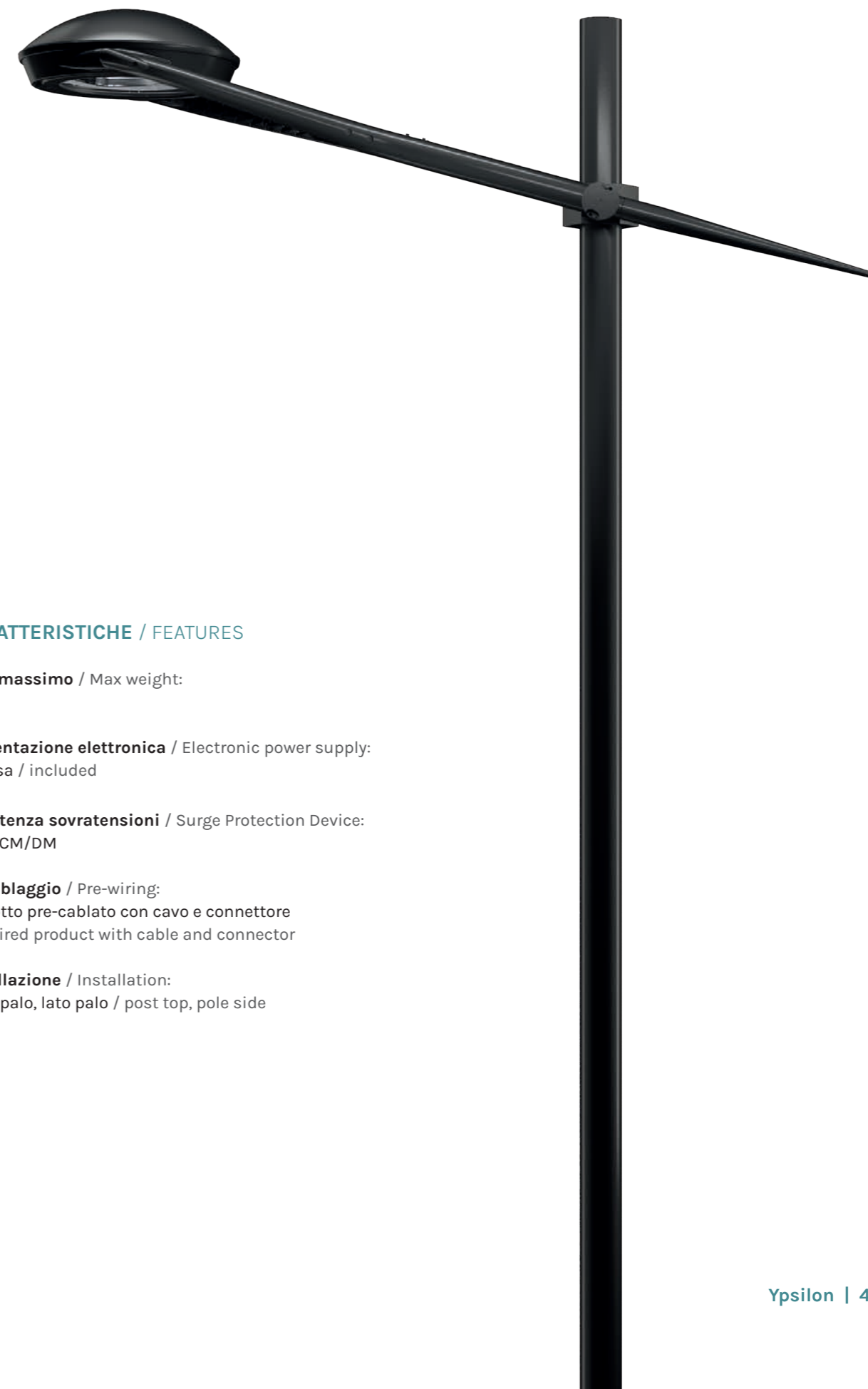
**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR



#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
16 kg

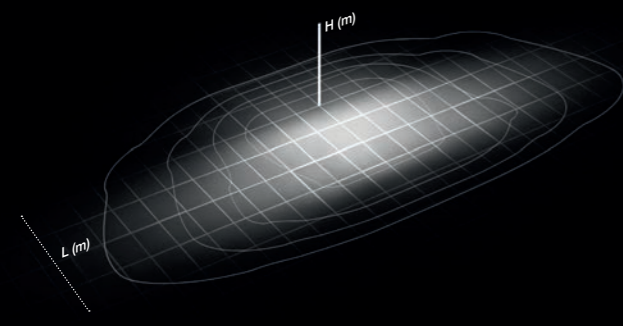
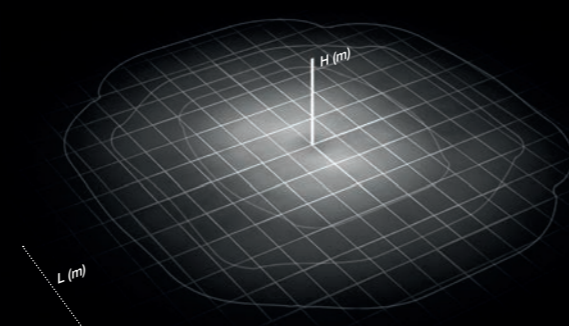
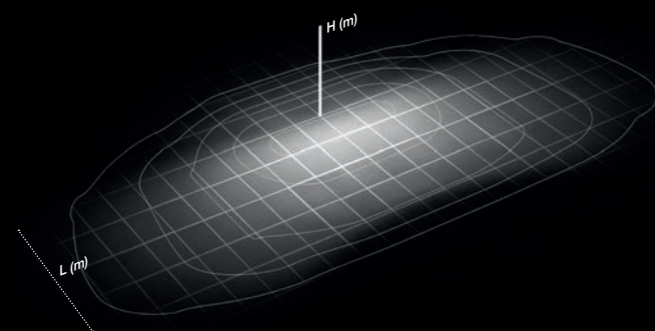
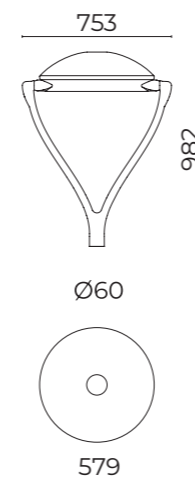
**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Resistenza sovratensioni / Surge Protection Device:**  
10 kV CM/DM

**Precablaggio / Pre-wiring:**  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

**Installazione / Installation:**  
testa palo, lato palo / post top, pole side

## OTTICHE / OPTICS

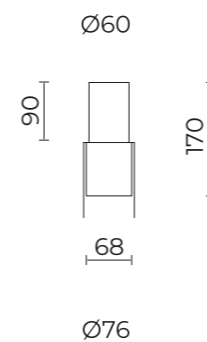
ME-01 Medium Street  
L / H = 1RS-01 Rotosymmetric Beam  
L / H = 2LA-01 Wide Street  
L / H = 1,25Ypsilon  
Testa palo / Post top

## DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
pali Ø 76 mm con cima Ø 60 mm e innesto  
H 90 mm / poles Ø 76 mm with post top Ø 60  
and fastening part H 90 mm

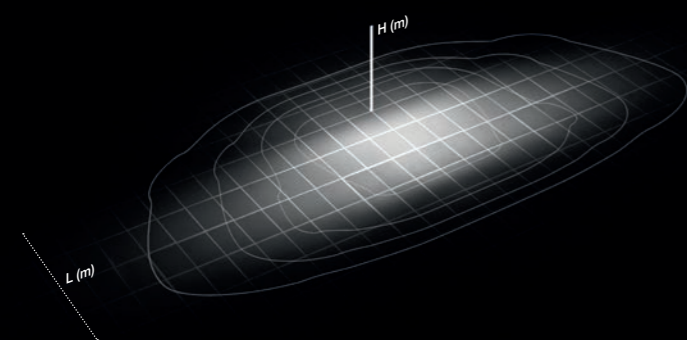
## ACCESSORI / ACCESSORIES

**01AY904C0**  
**L7 - Riduzione per pali**  
Reduction for poles

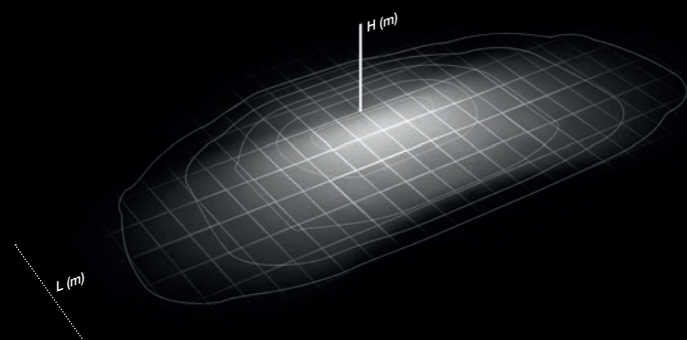




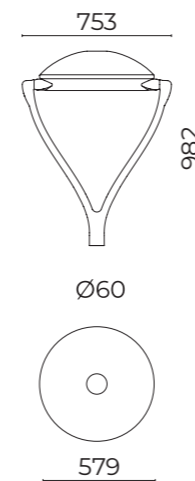
ME-01 Medium Street  
L / H = 1



LA-01 Wide Street  
L / H = 1,25



Ypsilon  
Lato palo / Pole side

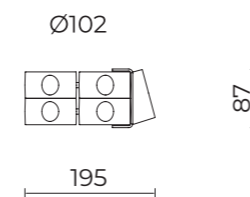


DATI TECNICI / TECHNICAL DATA

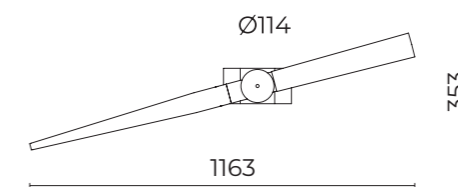
Installazione / Installation:  
con accessori su pali Ø 102 - 114 mm  
with accessories on poles Ø 102 - 114 mm

ACCESSORI / ACCESSORIES

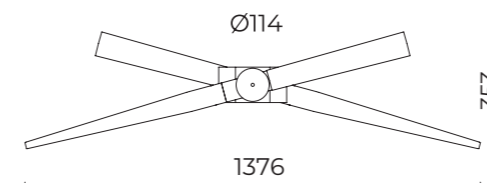
**01AY901CO**  
L6 - Giunto per palo, braccio  
inclinato 15° / Coupling for poles,  
15° inclined arm



**01AY902CO**  
B25 - Esagono per palo, braccio  
inclinato 15° con puntale  
Hexagon for poles, 15° inclined arm  
with decorative metal point



**01AY905CO**  
B27 - Esagono per palo, 2 bracci  
inclinati 15° con puntale  
Hexagon for poles, 15° inclined double  
arms with decorative metal point



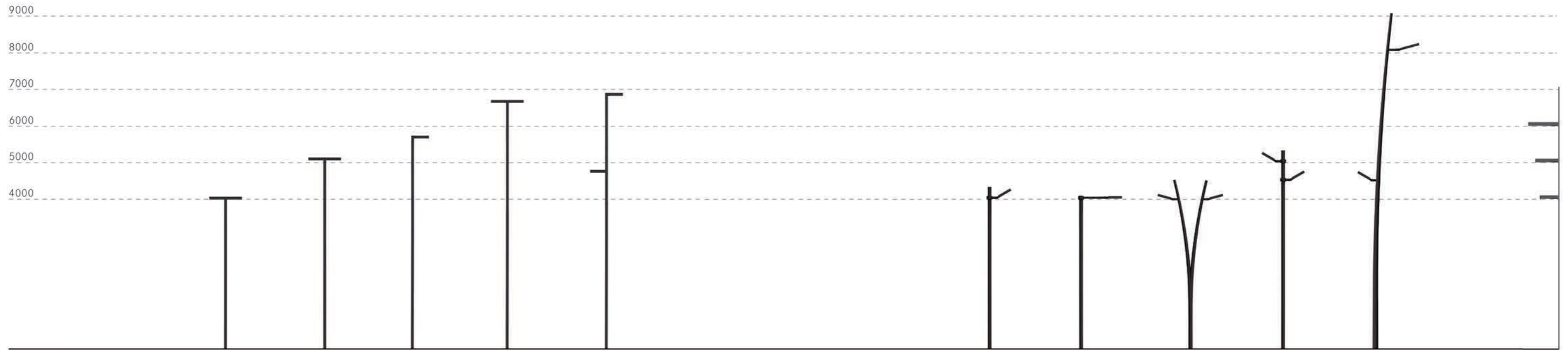
# LIT

LIT è un sistema completo e flessibile per l'illuminazione di vuoti e pieni urbani con una forma essenziale, moderna ed elegante.

LIT is a complete flexible system with a clean, modern and elegant shape for lighting empty and full urban locations.







220 240V	50 60Hz	CL II	IP66	IK10	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
2330 - 17055 lm

**Potenza apparecchio** / Fitting power:  
18,5 - 138,5 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO  
virtual midnight. On request ZHAGA, DALI, CLO

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio** / Body and fastening system:  
pressofusione di lega di alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy  
UNI EN AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato  
tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli agenti  
atmosferici / phospho-chromatation treated and polyester  
powder-coated in 16 phases to increase weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR



#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
4 kg (small), 6 kg (medium), 8 kg (large)

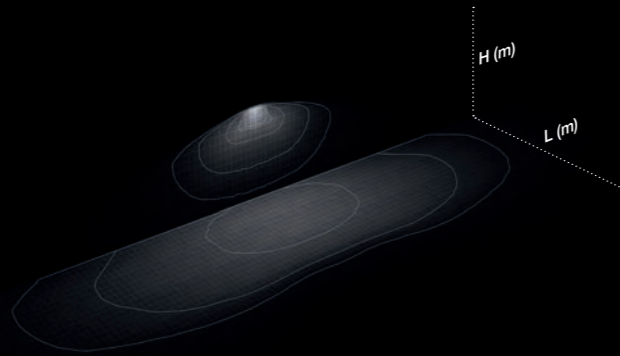
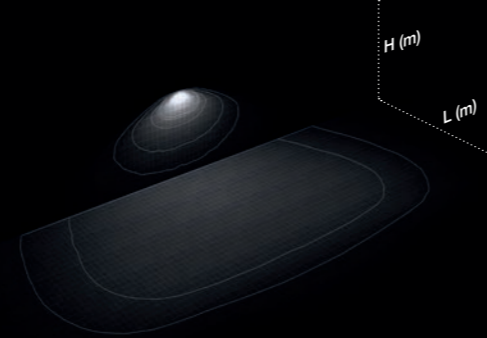
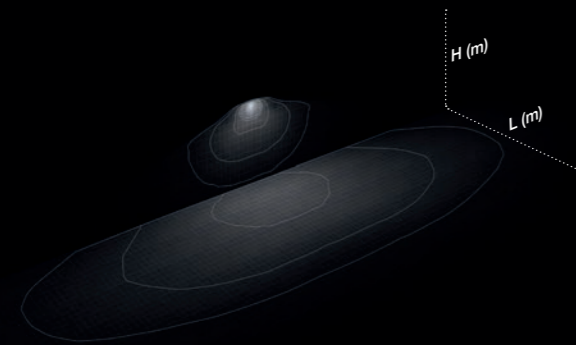
**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Resistenza sovratensioni** / Surge Protection Device:  
10 kV MC / MD

**Precablaggio** / pre-wiring:  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

**Installazione** / Installation:  
parete, soffitto, terra, palo  
wall, ceiling, ground, pole

## OTTICHE / OPTICS

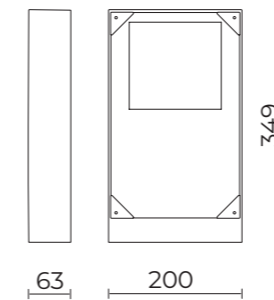
ME-03 Medium Street  
L / H = 1,1LT-62 Asymmetric Beam  
L / H = 2LA-02 Wide Street  
L / H = 1,25Lit  
Flood 1

## DATI TECNICI / TECHNICAL DATA

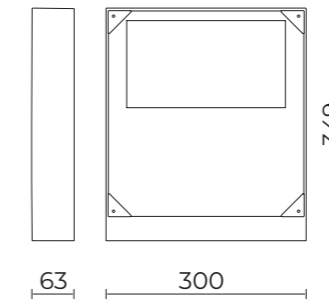
**Installazione / Installation:**  
parete, soffitto, terra  
wall-mounted, ceiling, ground

**Orientabilità / Orientability:**  
con giunto inclinazione +35° + -90°, rotazione ±30°  
with joint tilt +35° + -90°, rotation ±30°

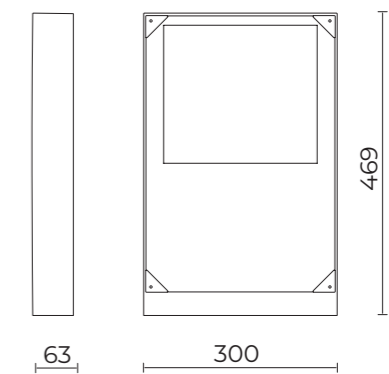
## SMALL



## MEDIUM



## LARGE



## Lit

## Lit

### Flood 1

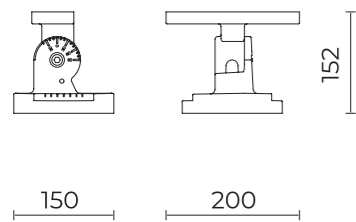
#### ACCESSORI / ACCESSORIES

#### LIT SMALL

##### 06LT901CO

##### B110 - Giunto orientabile

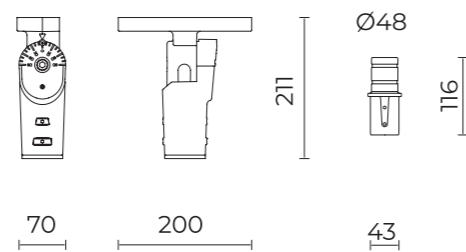
Adjustable joint



##### 06LT903CO

##### B112 - Giunto orientabile per braccio e picchetto

Adjustable joint for bracket and spike

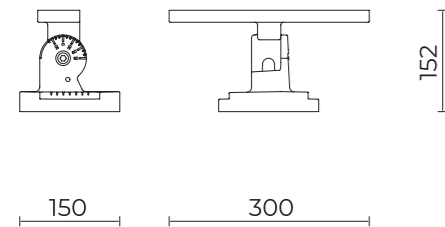


#### LIT MEDIUM - LARGE

##### 06LT902CO

##### B111 - Giunto orientabile

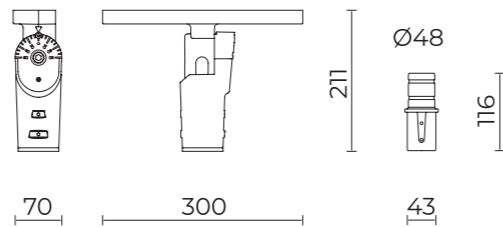
Adjustable joint



##### 06LT904CO

##### B114 - Giunto orientabile per braccio e picchetto

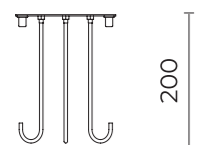
Adjustable joint for bracket and spike



##### 06LT909JO

##### B118 - Ancore per calcestruzzo

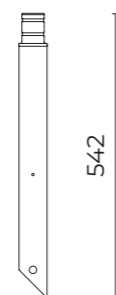
Anchor for concrete



##### 06LT908CO

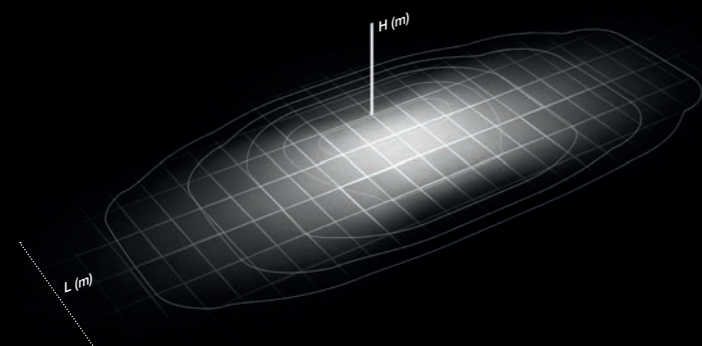
##### B117 - Picchetto per interrimento

Spike for ground installation

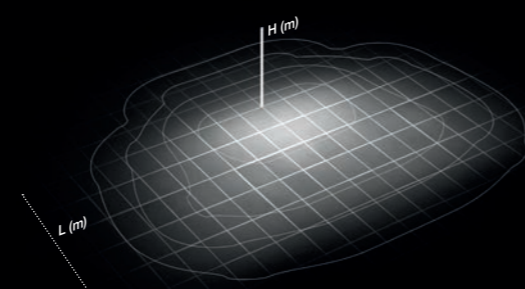


## OTTICHE / OPTICS

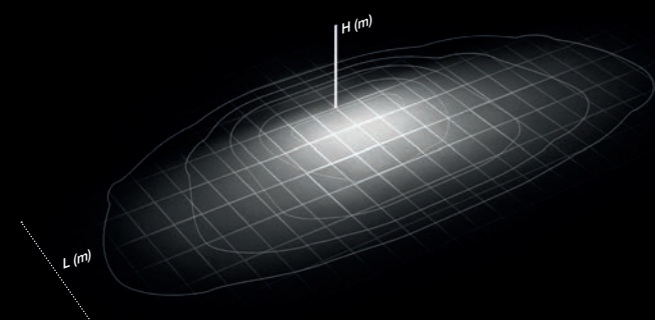
ME-03 Medium Street  
L / H = 1,1



LT-62 Asymmetric Beam  
L / H = 2



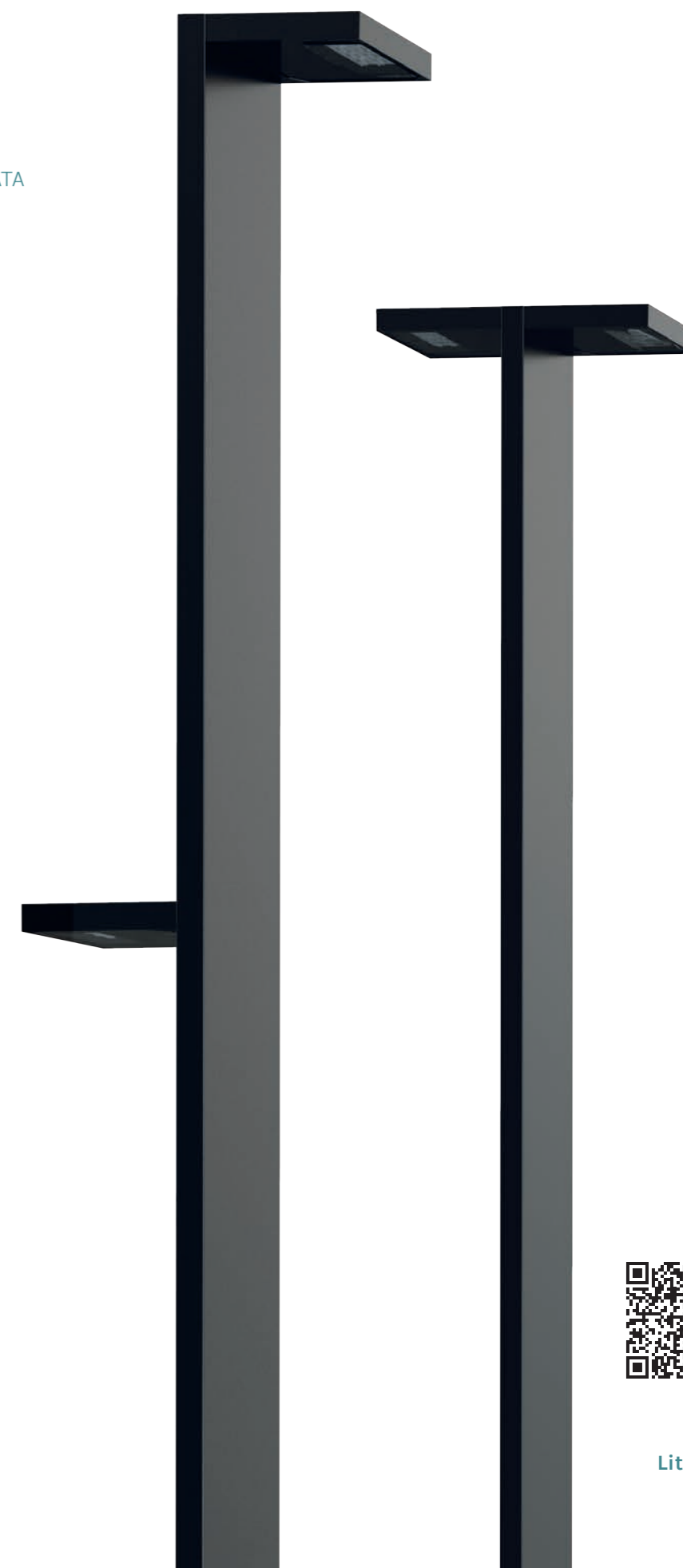
LA-02 Wide Street  
L / H = 1,25



## Lit System

### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
palo rettangolare H 4 m, 6 m  
rectangular pole H 4 m, 6 m



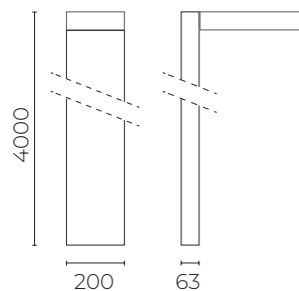


Lit  
System

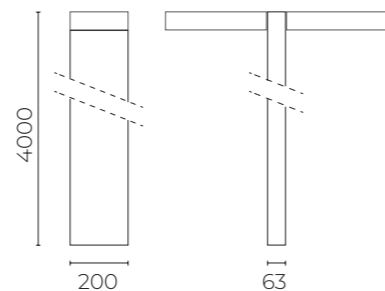
## PALI / POLES

## LIT SMALL

**06LT914CO**  
**B123 - Palo in alluminio estruso H 4 m (Lit small)**  
 Aluminium extruded pole H 4 m (Lit small)

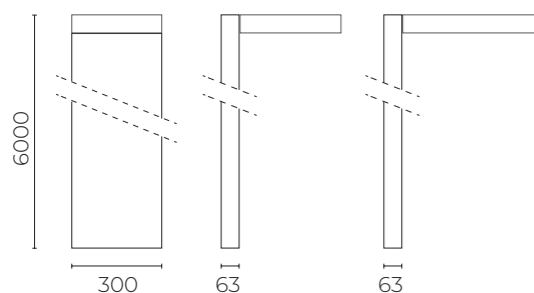


**06LT926CO**  
**B160 - Palo in alluminio estruso H 4 m (2 Lit small)**  
 Aluminium extruded pole H 4 m (2 Lit small)

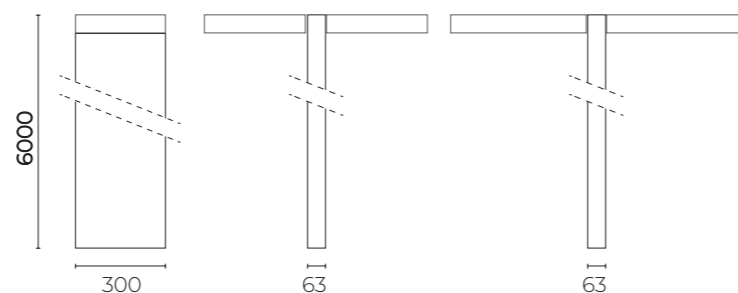


## LIT MEDIUM - LARGE

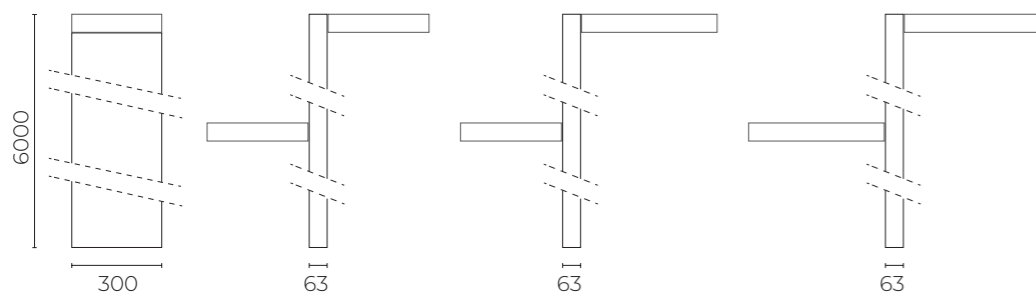
**06LT915CO**  
**B124 - Palo in alluminio estruso H 6 m (Lit medium/large)**  
 Aluminium extruded pole H 6 m (Lit medium/large)



**06LT927CO**  
**B161 - Palo in alluminio estruso H 6 m (2 Lit medium/large)**  
 Aluminium extruded pole H 6 m (2 Lit medium/large)

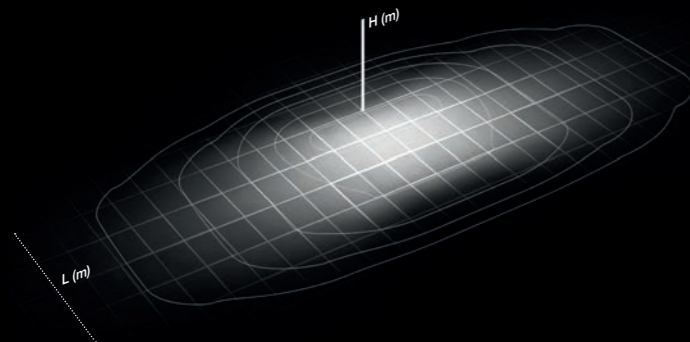


**06LT928CO**  
**B162 - Palo in alluminio estruso H 6 m per 2 Lit medium / large (H 4 m e H 6 m)**  
 Aluminium extruded pole H 6 m for 2 Lit medium / large (H 4 m and H 6 m)

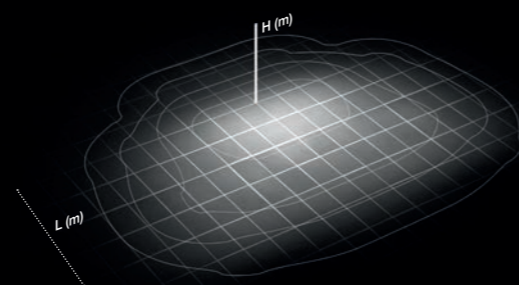


OTTICHE / OPTICS

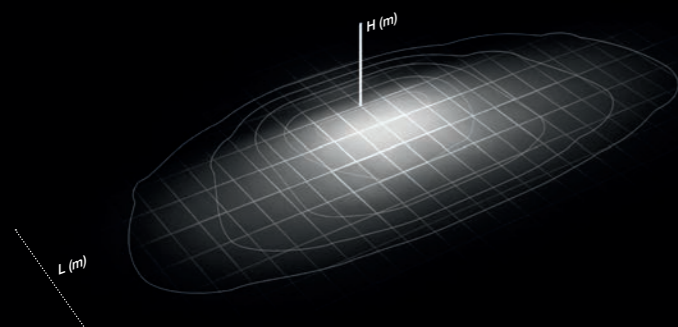
ME-03 Medium Street  
L / H = 1,1



LT-62 Asymmetric Beam  
L / H = 2



LA-02 Wide Street  
L / H = 1,25



Lit  
Poles

DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
con collare su pali Ø 60 - 76 - 102 mm  
with collar on poles Ø 60 - 76 - 102 mm



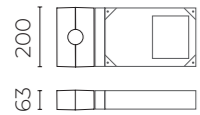
## Lit

### Poles

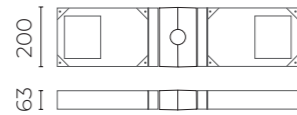
#### ACCESSORI / ACCESSORIES

#### LIT SMALL

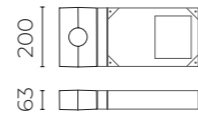
**06LT929C0**  
**B166 - Collare singolo per pali**  
**Ø 60 mm / Single collar for**  
**poles Ø 60 mm**



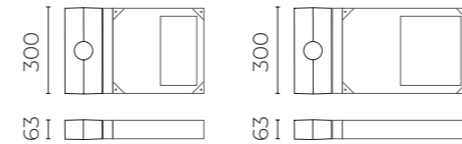
**06LT930C0**  
**B167 - Collare doppio per pali**  
**Ø 60 mm / Double collar for**  
**poles Ø 60 mm**



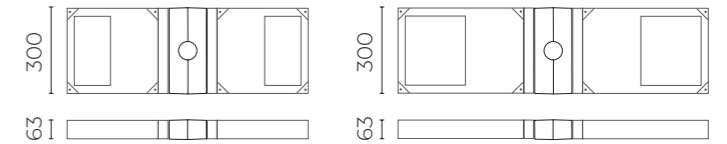
**06LT910C0**  
**B119 - Collare singolo**  
**per pali Ø 76 mm / Single**  
**collar for poles Ø 76 mm**



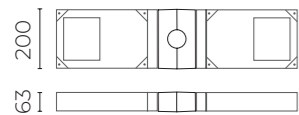
**06LT937C0**  
**B174 - Collare singolo per pali**  
**Ø 76 mm / Single collar for**  
**poles Ø 76 mm**



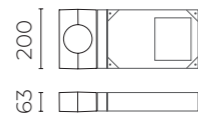
**06LT938C0**  
**B175 - Collare doppio per pali Ø 76 mm**  
**Double collar for poles Ø 76 mm**



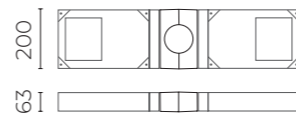
**06LT911C**  
**B120 - Collare doppio per pali**  
**Ø 76 mm / Double collar for**  
**poles Ø 76 mm**



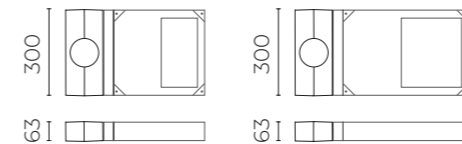
**06LT933C0**  
**B170 - Collare singolo per pali**  
**Ø 102 mm / Single collar for**  
**poles Ø102 mm**



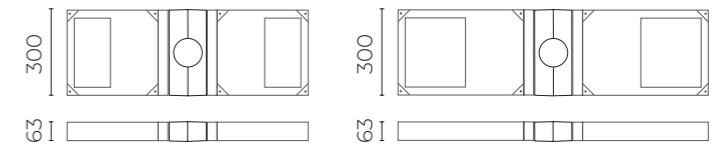
**06LT934C0**  
**B171 - Collare doppio per**  
**pali Ø 102 mm / Double**  
**collar for poles Ø102 mm**



**06LT912C0**  
**B121 - Collare singolo per pali**  
**Ø 102 mm / Single collar for**  
**poles Ø 102 mm**

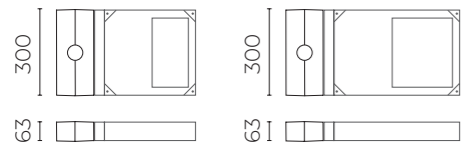


**06LT913C0**  
**B122 - Collare doppio per pali Ø 102 mm**  
**Double collar for poles Ø 102 mm**

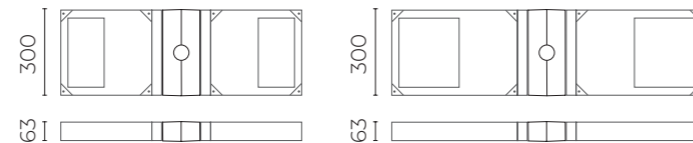


#### LIT MEDIUM - LARGE

**06LT935C0**  
**B172 - Collare singolo per pali Ø 60 mm**  
**Single collar for poles Ø 60 mm**



**06LT936C0**  
**B173 - Collare doppio per pali Ø 60 mm**  
**Double collar for poles Ø 60 mm**





MILAN  
Italy

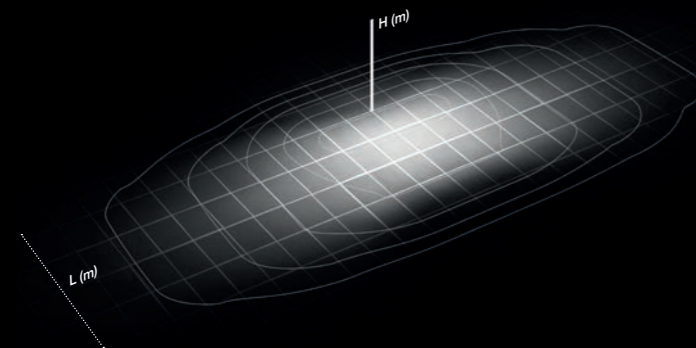
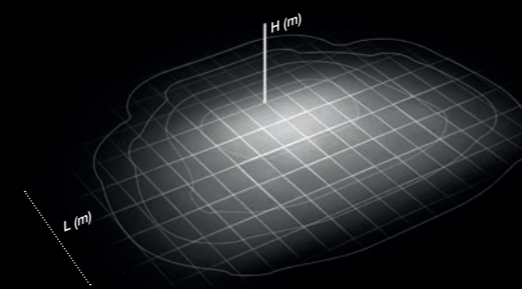
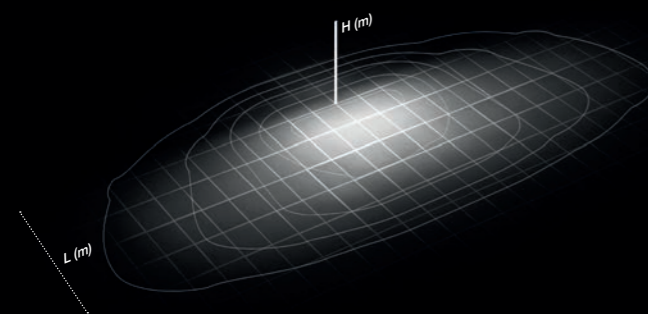


GENOVA  
Italy

ATHENS  
Greece



## OTTICHE / OPTICS

ME-03 Medium Street  
L / H = 1,1LT-62 Asymmetric Beam  
L / H = 2LA-02 Wide Street  
L / H = 1,25Lit  
Brackets and poles

## DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
con accessori su pali  $\varnothing$  60 - 76 - 102 mm  
with accessories on poles  $\varnothing$  60 - 76 - 102 mm

**Inclinazione / Inclination:**  
-90°



## Lit

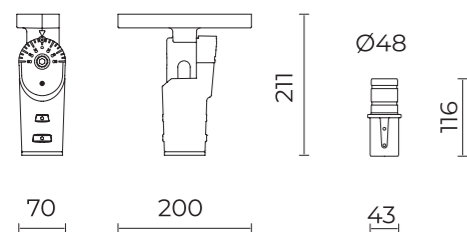
## Brackets and poles

## ACCESSORI E BRACCI / ACCESSORIES AND ARMS:

**06LT903CO****B112 - Giunto orientabile per braccio**

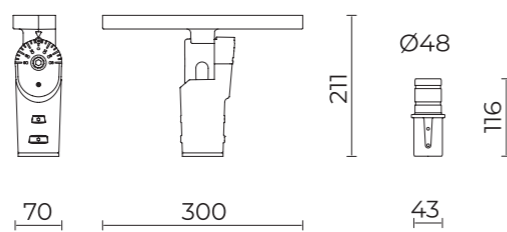
Ø 60 mm Lit small

Adjustable joint for bracket Ø 60 mm Lit small

**06LT904CO****B114 - Giunto orientabile per braccio**

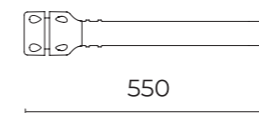
Ø 60 mm Lit medium, large / Adjustable joint

for bracket Ø 60 mm Lit medium, large

**01AK921CO****B1 - Braccio per pali**

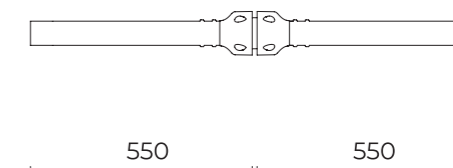
Arm for poles

Ø60-76

**01AK922CO****B2 - Braccio doppio per pali**

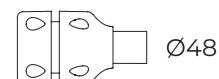
Double arm for poles

Ø60-76

**01AK903CO****L3 - Kit giunto per palo o braccio**

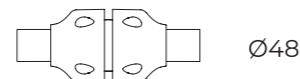
Joint kit for pole or arm

Ø60-76

**01AK904CO****L4 - Kit giunto doppio per palo o braccio**

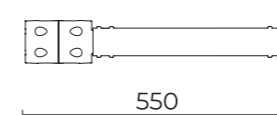
Double joint kit for pole or arm

Ø60-76

**06AK907CO****B155 - Braccio per pali**

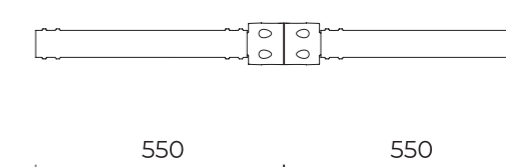
Arm for poles

Ø102

**06AK909CO****B157 - Braccio doppio per pali**

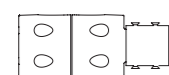
Double arm for poles

Ø102

**06AK916CO****B139 - Anello per pali**

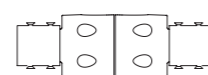
Ring for poles

Ø102

**06AK917CO****B140 - Anello doppio per pali**

Double ring for poles

Ø102



# SIGMA STREET



L'elevato contenuto tecnologico si cela  
all'interno di volumi tondeggianti che ricordano  
le linee dello streamlining.

High technological content is hidden inside  
rounded enclosures that recall the  
streamlined lines.



SPORTS CENTER

SUPERMARKET

leisure supermarket

built shop

Sports Shop





220 240V	50 60Hz	CL II	IP66	IK09	IK10 (POST TOP)	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1230 - 23180 lm

**Potenza apparecchio / Fitting power:**  
12 - 155 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale. DALI, CLO su richiesta  
virtual midnight. DALI, CLO on request

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminium alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

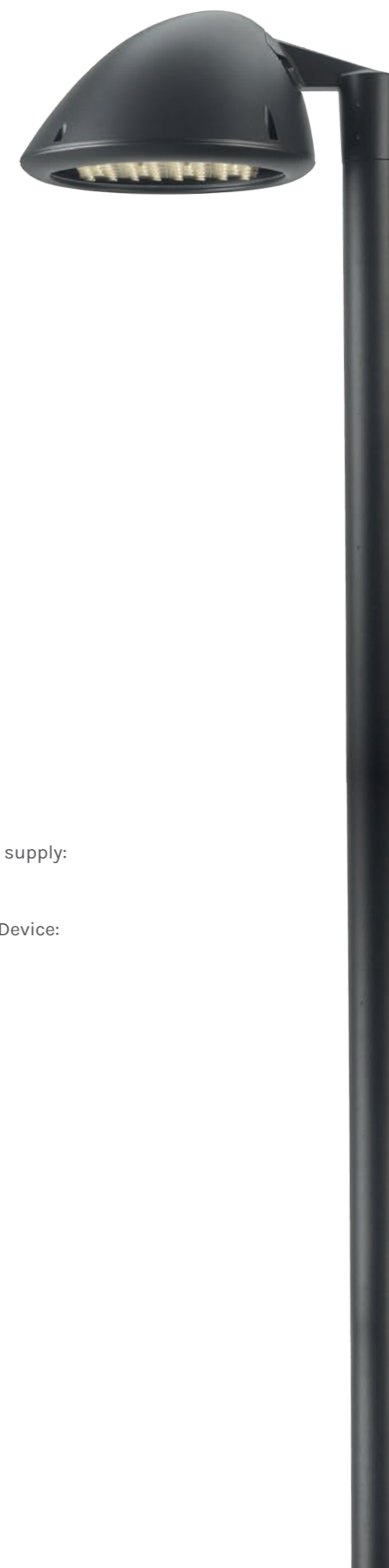
**Peso massimo / Max weight:**  
4 kg (small), 8 kg (medium)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

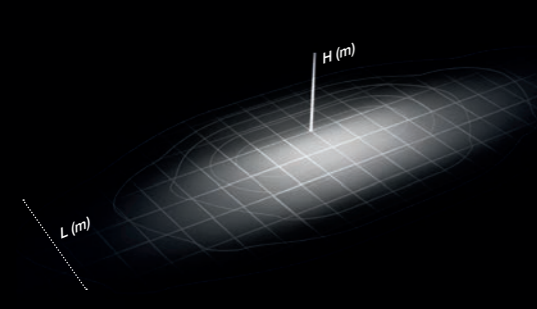
**Precablaggio / Pre-wiring:**  
prodotto precablato con cavo e connettore  
pre-wired product with cable and connector

**Installazione / Installation:**  
testa palo, lato palo / post top, pole side

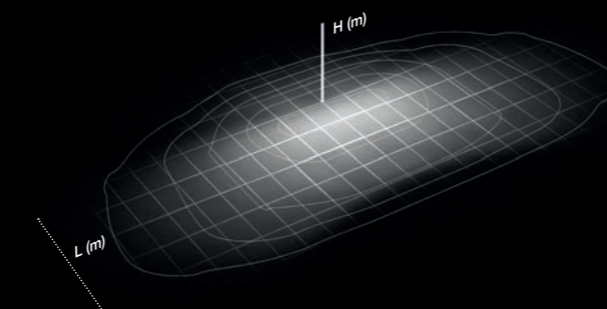


## OTTICHE / OPTICS

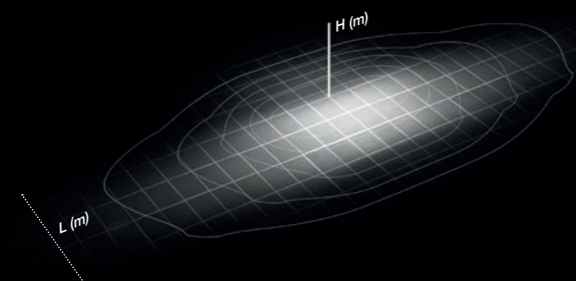
LT-C1 Cycle Path  
L / H = 0,5



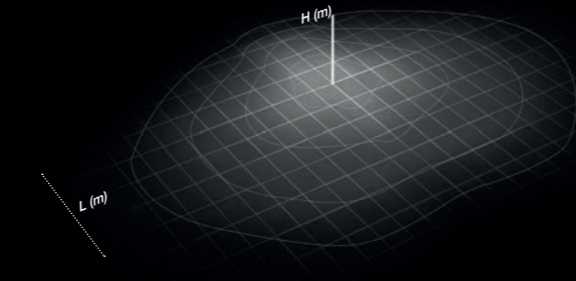
LA-03 Wide Street  
L / H = 1,25



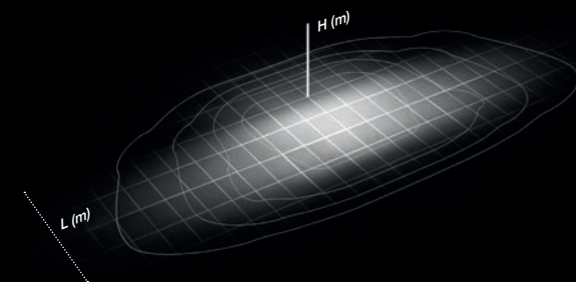
ST-02 Narrow Street  
L / H = 0,75



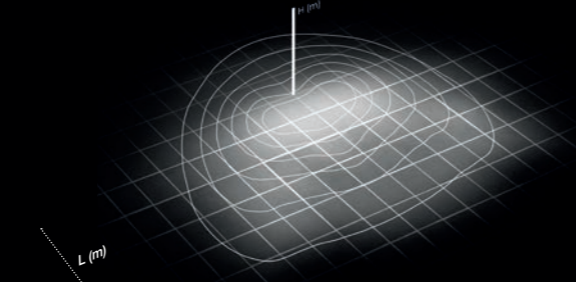
PB-01 Low Pole  
L / H = 2



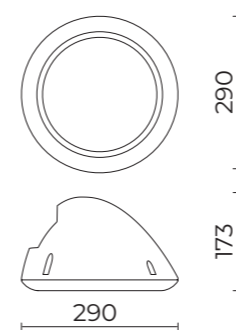
ME-05 Medium Street  
L / H = 1



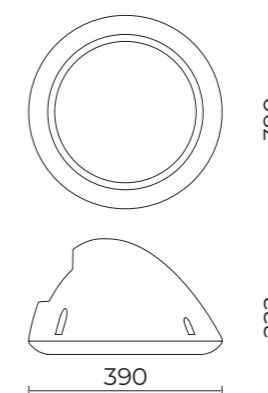
LT-64 Asymmetric Beam with backlight  
L / H = 2



SMALL



MEDIUM



## DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**

testa palo con accessorio 06SG905C0, su bracci Ø 60 mm con appositi accessori per pali Ø 60 - 76 - 102 mm / post top with accessory 06SG905C0, on arms Ø 60 mm with dedicated accessories for poles Ø 60 - 76 - 102 mm

**Inclinazione / inclination:**

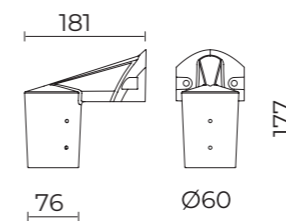
**lato palo, parete, terra -90° +35°**  
pole side, wall, ground -90° +35°

## ACCESSORI / ACCESSORIES

**06SG905C0**

**B178 - Kit testa palo innesto H 90 mm (Sigma small e medium)**

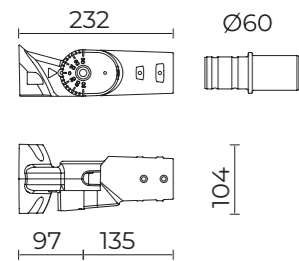
Kit post top with fastening part H 90 mm (Sigma small and medium)



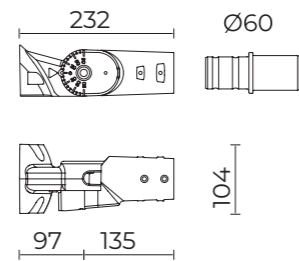
## Sigma Street

## ACCESSORI E BRACCI / ACCESSORIES AND ARMS

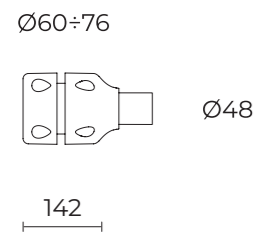
**06SG906C0**  
**B179 - Kit lato palo small regolabile**  
 Adjustable kit pole side small



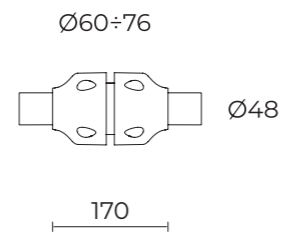
**06SG907C0**  
**B180 - Kit lato palo medium regolabile**  
 Adjustable kit pole side medium



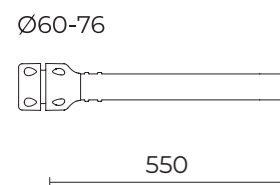
**01AK903C0**  
**L3 - Kit giunto per pali**  
 Joint kit for poles



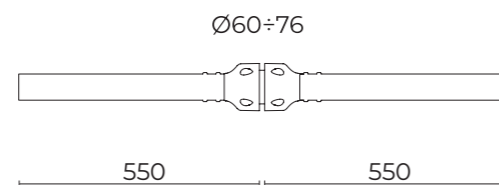
**01AK904C0**  
**L4 - Kit giunto doppio per pali**  
 Double joint kit for poles



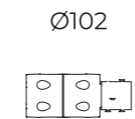
**01AK921C0**  
**B1 - Braccio per pali**  
 Arm for poles



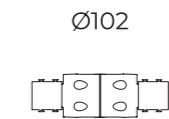
**01AK922C0**  
**B2 - Braccio doppio per pali**  
 Double arm for poles



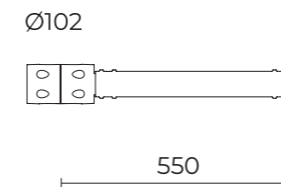
**06AK916C0**  
**B139 - Anello per pali**  
 Ring for poles



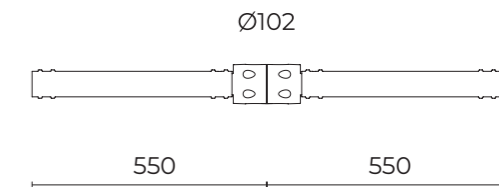
**06AK917C0**  
**B140 - Anello doppio per pali**  
 Double ring for poles



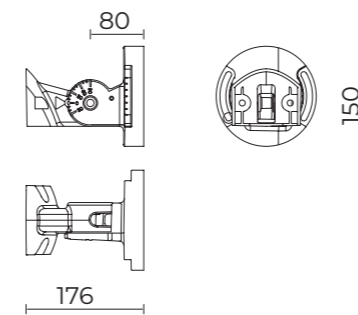
**06AK907C0**  
**B155 - Braccio per pali**  
 Arm for poles



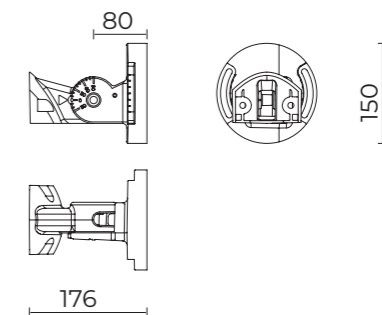
**06AK909C0**  
**B157 - Braccio doppio per pali**  
 Double arm for poles



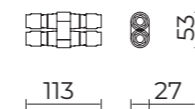
**06SG908C0**  
**B181 - Giunto regolabile parete o terra small** / Adjustable joint for wall or ground small



**06SG909C0**  
**B182 - Giunto regolabile parete o terra medium** / Adjustable joint for wall or ground medium



**06KS909C0**  
**B89 - Connettore 4 vie IP68**  
 Connector 4 way IP68

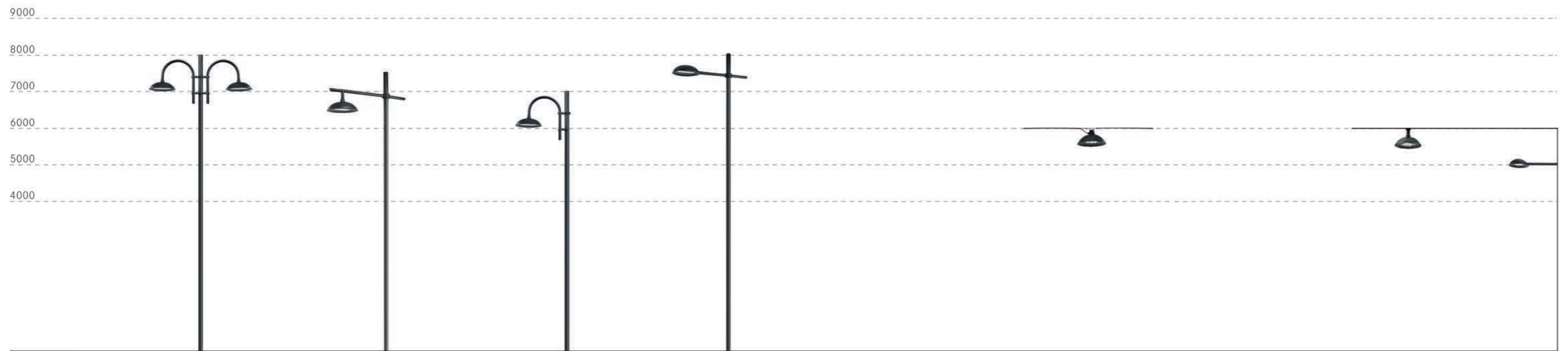


# VOLTA

L'ampia gamma di soluzioni ottiche e di fissaggi rende VOLTA ideale per l'illuminazione di spazi e percorsi urbani in ogni città.

The wide range of optical and fastening solutions makes VOLTA ideal for lighting urban spaces and pathways in any city.







220 240V	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1355 (1800 K) - 23180 lm

**Potenza apparecchio / Fitting power:**  
12 - 155 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente / Smart Lighting:**  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless  
virtual midnight. On request ZHAGA, DALI, CLO, PLC,  
wireless telemanagement

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
PMMA high transparent lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2200 K
- 2700 K
- 3000 K
- 4000 K

#### ECO-CENTRIC LIGHTING (ECL)

(ONLY FOR STREET OPTICS)

**BLUE FREE LIGHT:**  
PC-AMBER 0,7%  $\sum R$  ( $\lambda$  < 500NM) – CRI 40  
1800 K 4,3%  $\sum R$  ( $\lambda$  < 500NM) – CRI 70

**SWITCHABLE WHITE LIGHT:**  
1800K / 3000K

#### COLORI / COLOURS

- SABLÉ 100 NOIR



#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
8,2 kg (small), 12 kg (medium)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

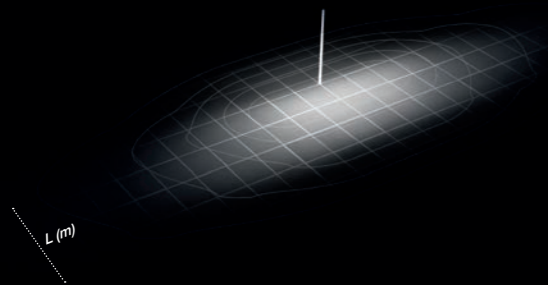
**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Apertura vano cablaggio / Wiring compartment opening:**  
mediante clip / by clip

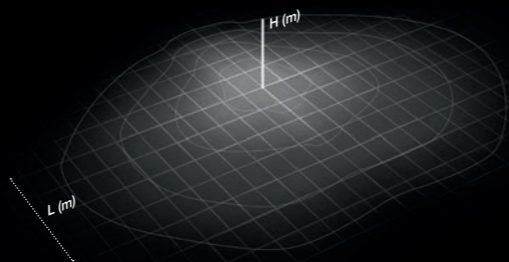
**Installazione / Installation:**  
lato palo, sospensione braccio, sospensione tesata, parete,  
sottoportico / pole side, arm suspension, string suspension,  
wall, arcade

OTTICHE / OPTICS

LT-C1 Cycle Path  
L / H = 0,5

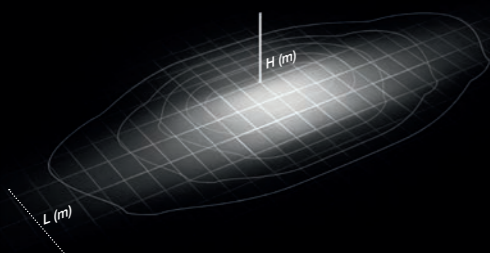


PB-01 Low Pole  
L / H = 2



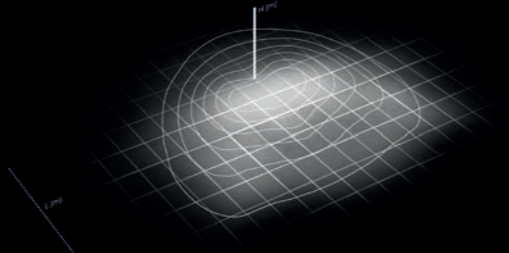
ST-02 Narrow Street  
L / H = 0,75

ECL



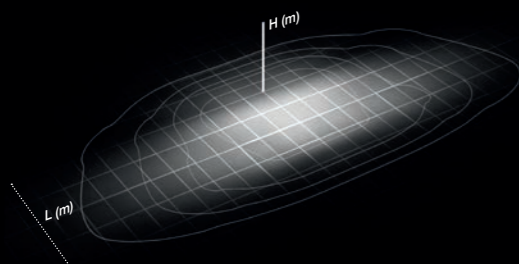
LT-64 Asymmetric Beam with backlight  
L / H = 2

ECL

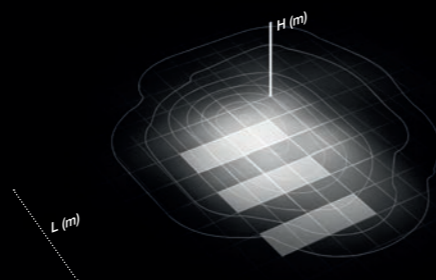


ME-05 Medium Street  
L / H = 1

ECL

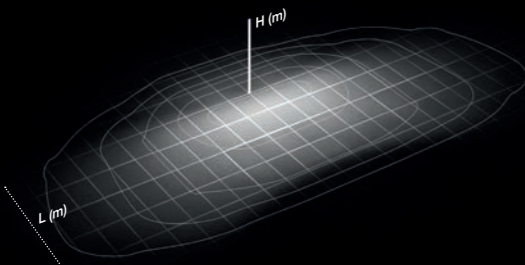


AP-D2 Pedestrian Crossing

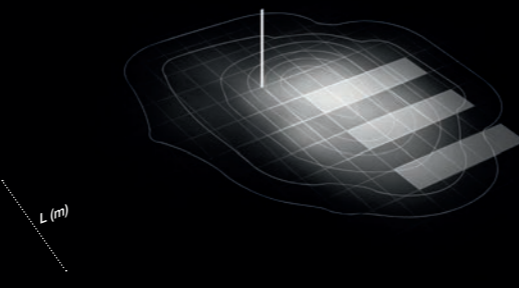


LA-03 Wide Street  
L / H = 1,25

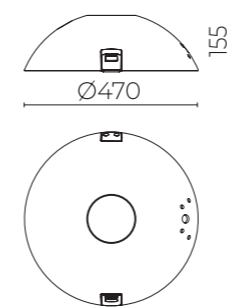
ECL



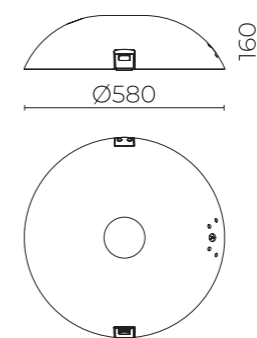
AP-S2 Pedestrian Crossing



SMALL



MEDIUM



DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
con accessori, su pali Ø 60 - 76 - 102 mm  
with accessories, on poles Ø 60 - 76 - 102 mm



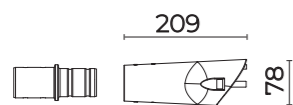


**Volta**

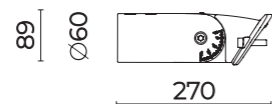
Lato palo / Pole side

**ACCESSORI E BRACCI / ACCESSORIES AND ARMS**

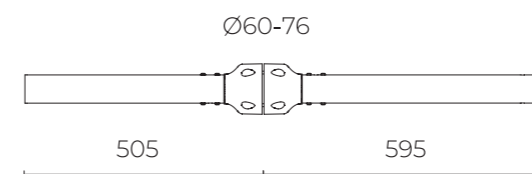
**01V0901C0**  
**L17 - Kit laterale fisso per braccio**  
 Fixed side kit for arm



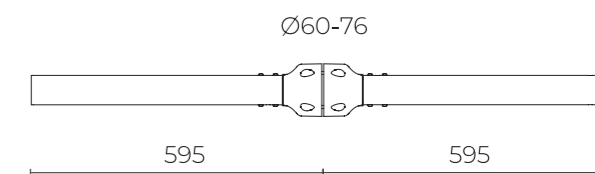
**01V0902C0**  
**L16 - Kit laterale regolabile per palo o braccio**  
 Adjustable side kit for pole or arm



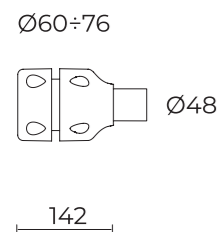
**01AK984C0**  
**B208 - Braccio per pali**  
 Arm for poles



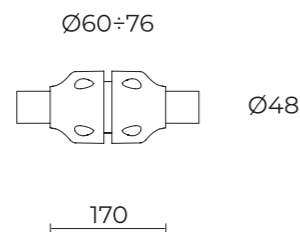
**01AK985C0**  
**B209 - Braccio doppio per pali**  
 Double arm for poles



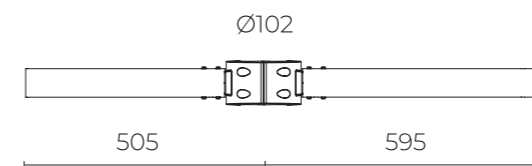
**01V0904C0**  
**B204 - Kit giunto per palo**  
 Joint kit for pole



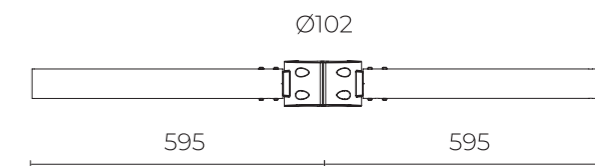
**01V0905C0**  
**B205 - Kit giunto doppio per palo**  
 Double joint kit for pole



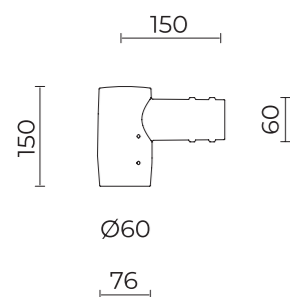
**01AK986C0**  
**B210 - Braccio per pali**  
 Arm for poles



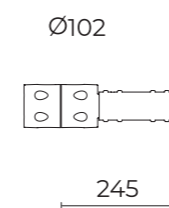
**01AK987C0**  
**B211 - Braccio doppio per pali**  
 Double arm for poles



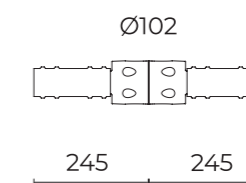
**06AK905C0**  
**B153 - Giunto testa palo H 90 mm**  
 Joint post top H 90 mm



**06AK906C0**  
**B154 - Braccio per palo**  
 Arm for pole

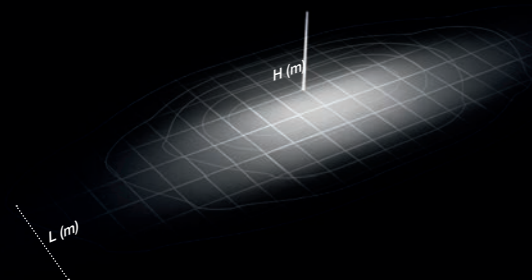


**06AK908C0**  
**B156 - Braccio doppio per palo**  
 Double arm for pole

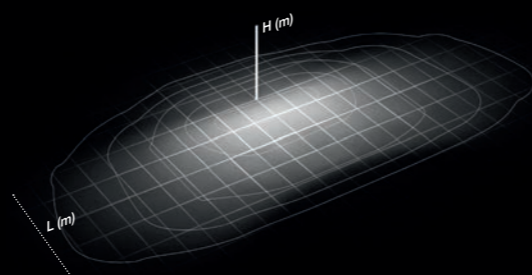


OTTICHE / OPTICS

LT-C1 Cycle Path  
L / H = 0,5

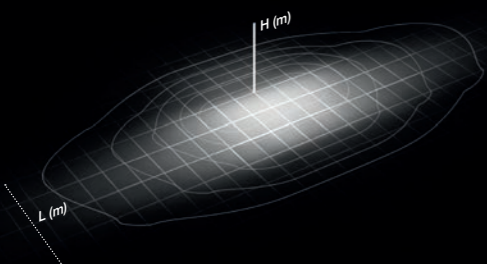


LA-03 Wide Street  
L / H = 1,25



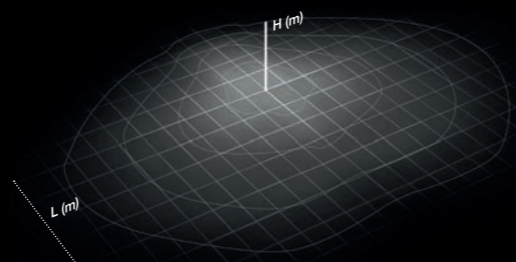
ECL

ST-02 Narrow Street  
L / H = 0,75

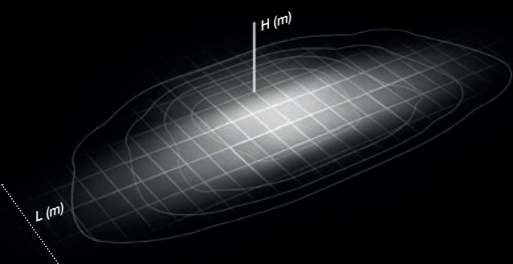


ECL

PB-01 Low Pole  
L / H = 2

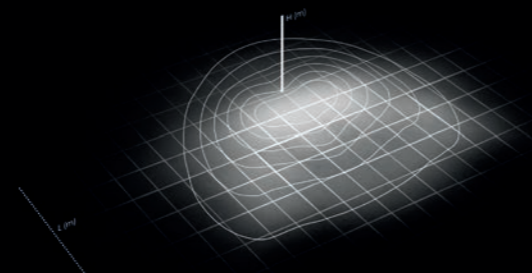


ME-05 Medium Street  
L / H = 1



ECL

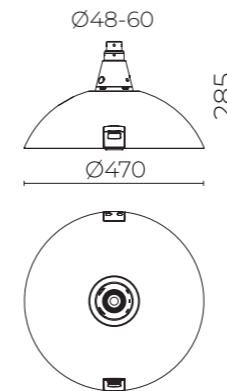
LT-64 Asymmetric Beam with backlight  
L / H = 2



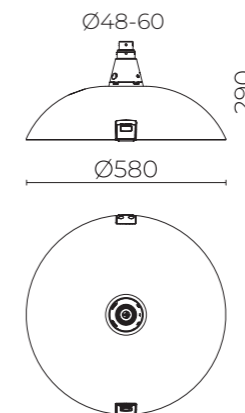
ECL



SMALL



MEDIUM



DATI TECNICI / TECHNICAL DATA

Installazione / Installation:  
con accessori, su pali Ø 60 - 76 - 102 mm  
with accessories, on poles Ø 60 - 76 - 102 mm



# Volta

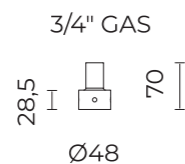
## Sospensione braccio / Arm suspension

### ACCESSORI E BRACCI / ACCESSORIES AND ARMS

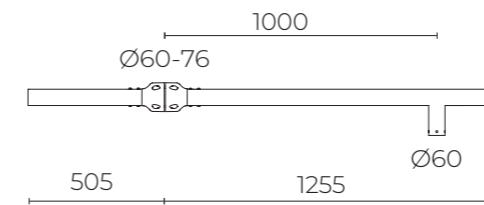
**01AK907C0**  
**L16 - Kit sospensione maschio 1" 1/2 GAS**  
 Male suspension kit 1" 1/2 GAS



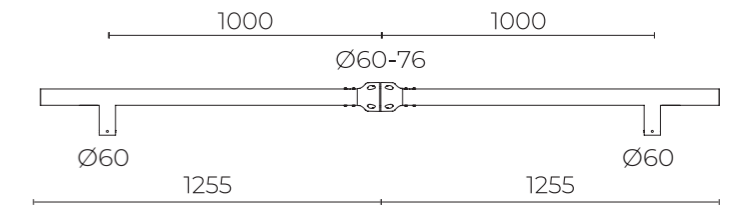
**01AK914C0**  
**L17 - Kit sospensione maschio 3/4" GAS**  
 Male suspension kit 3/4" GAS



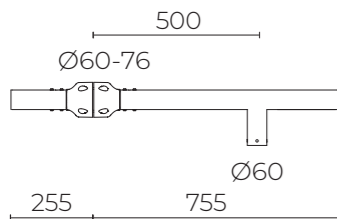
**01AK992C0**  
**B216 - Braccio per pali**  
 Arm for poles



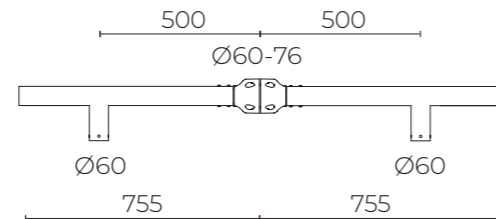
**01AK994C0** Ø60  
**B217 - Braccio doppio per pali**  
 Double arm for poles



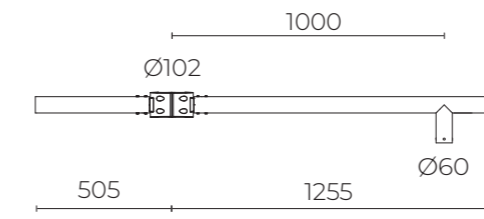
**01AK988C0**  
**B212 - Braccio per pali**  
 Arm for poles



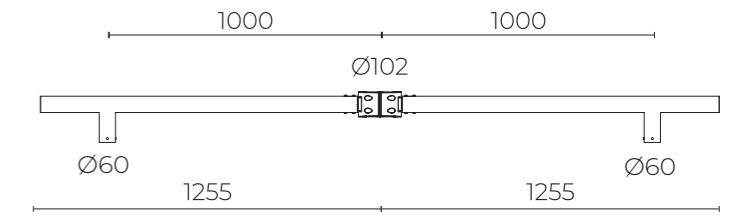
**01AK989C0**  
**B213 - Braccio doppio per pali**  
 Double arm for poles



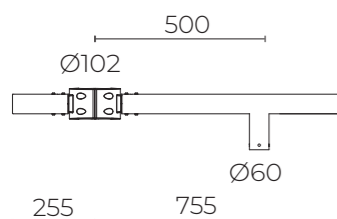
**01AK995C0**  
**B218 - Braccio per pali**  
 Arm for poles



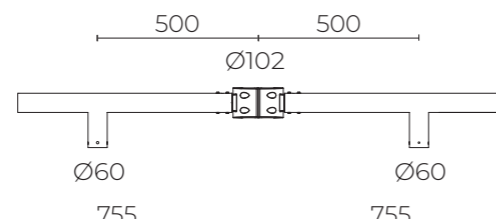
**01AK996C0**  
**B219 - Braccio doppio per pali**  
 Double arm for poles



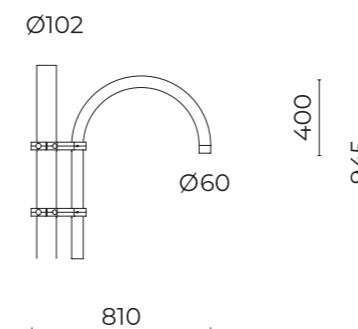
**01AK990C0**  
**B214 - Braccio per pali**  
 Arm for poles



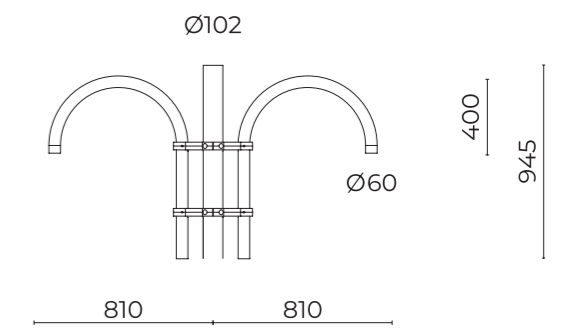
**01AK991C0**  
**B215 - Braccio doppio per pali**  
 Double arm for poles



**01AK935C0**  
**B15 - Braccio pastorale per pali**  
 Curved arm for poles



**01AK936C0**  
**B16 - Braccio pastorale doppio per pali**  
 Double curved arm for poles

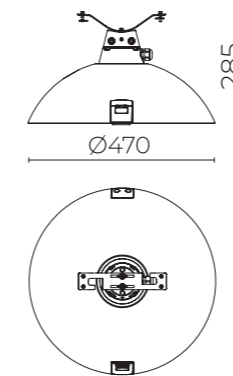


**Volta**

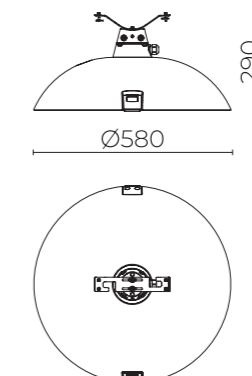
Sospensione tesata  
String suspension



## SMALL



## MEDIUM

**DATI TECNICI / TECHNICAL DATA****Installazione / Installation:**

sospensione tesata per fune Ø 6 ÷ 12 mm. Su richiesta versione entra-esci  
suspension for string Ø 6 ÷ 12 mm. On request in-out version

**Inclinazione / Inclination:**

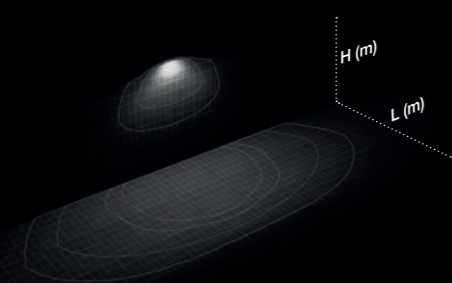
orizzontale ±15° / horizontal ±15°

**Orientabilità / Adjustability:**

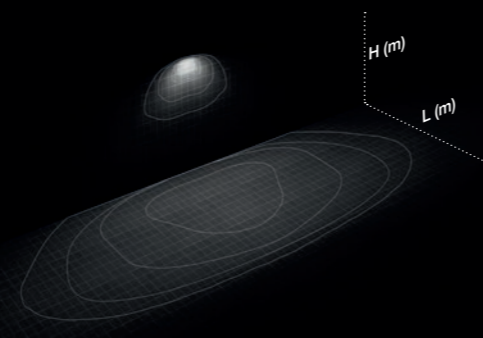
0° ÷ 360°



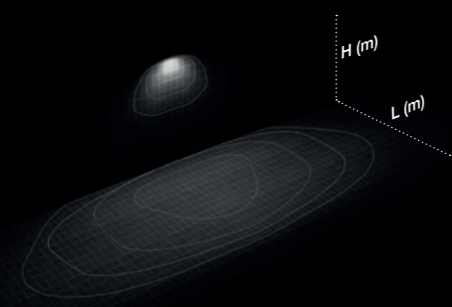
ST-02 Narrow Street  
L / H = 0,75



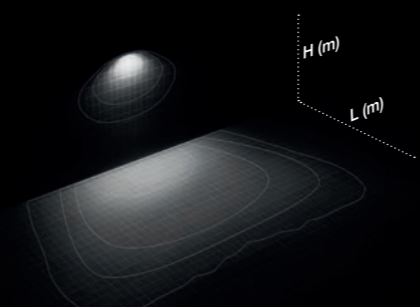
LA-03 Wide Street  
L / H = 1,25



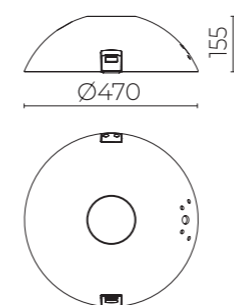
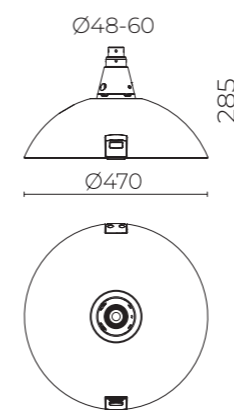
ME-05 Medium Street  
L / H = 1



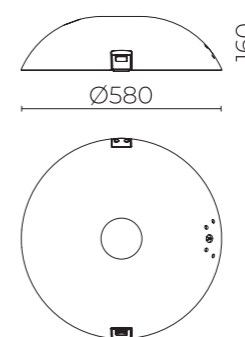
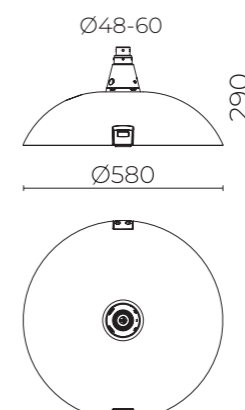
LT-63 Asymmetric Beam  
L / H = 2



SMALL



MEDIUM



DATI TECNICI / TECHNICAL DATA

Installazione / Installation:  
parete / wall-mounted



Volta

## Volta

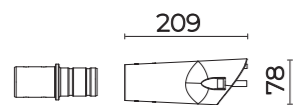
Parete / Wall

### ACCESSORI E BRACCI / ACCESSORIES AND ARMS

01V0901C0

L17 - Kit laterale fisso per braccio

Fixed side kit for arm



01V0902C0

L16 - Kit laterale regolabile

per palo o braccio

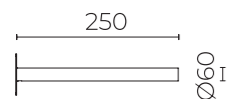
Adjustable side kit for pole or arm



01AK982C0

B206-P - Braccio a parete laterale

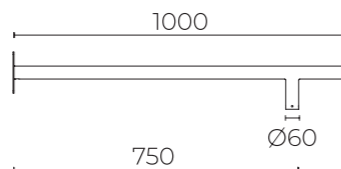
Side wall-mounting arm



01AK983C0

B207-P - Braccio a parete sospensione

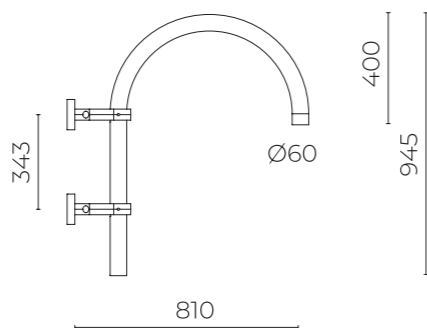
Suspension wall-mounting arm



01AK950C0

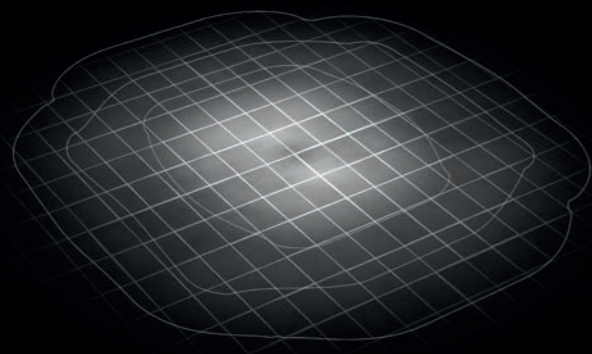
B15-P - Braccio pastorale a parete

Curved arm for wall



OTTICHE / OPTICS

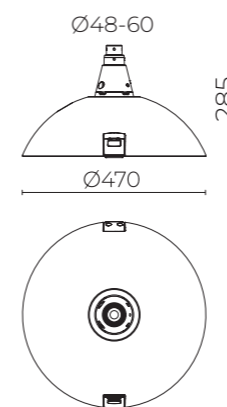
RS-02 Rotosymmetric Beam



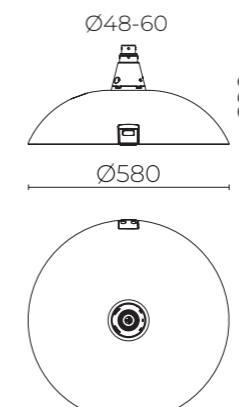
Volta  
Sottoportico / Arcade



SMALL



MEDIUM



DATI TECNICI / TECHNICAL DATA

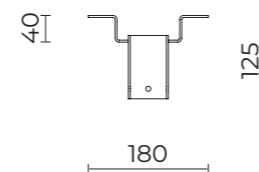
Installazione / Installation:  
sottoportico / arcade

ACCESSORI / ACCESSORIES

01KA915CO

B53 - Kit sospensione sottoportico

Arcade suspension kit



# THEMELIO



L'ampia gamma di soluzioni ottiche e di fissaggi a sospensione rende THEMELIO ideale per l'illuminazione di spazi e percorsi urbani in ogni città.

A wide range of optical and suspension fastening solutions makes THEMELIO ideal for lighting urban spaces and pathways in any city.





220 240V	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1355 (1800 K) - 23180 lm

**Potenza apparecchio / Fitting power:**  
12 - 155 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente / Smart Lighting:**  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless  
virtual midnight. On request ZHAGA, DALI, CLO, PLC,  
wireless telemanagement

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2200 K
- 2700 K
- 3000 K
- 4000 K

#### ECO-CENTRIC LIGHTING (ECL)

(ONLY FOR STREET OPTICS)

**BLUE FREE LIGHT:**  
PC-AMBER 0,7%  $\sum R$  ( $\lambda < 500\text{NM}$ ) – CRI 40  
1800 K 4,3%  $\sum R$  ( $\lambda < 500\text{NM}$ ) – CRI 70

**SWITCHABLE WHITE LIGHT:**  
1800K / 3000K

#### COLORI / COLOURS

- SABLÉ 100 NOIR

\* Sistema a sospensione / Suspension system

\*\* Corpo / Body



#### CARATTERISTICHE / FEATURES

**Configurazione / Configuration:**  
il prodotto si compone di corpo e sistema a sospensione,  
da ordinare separatamente / product composed of body  
and suspension system, to be ordered separately

**Peso massimo / Max weight:**  
8,8 kg (small), 14,3 kg (medium)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

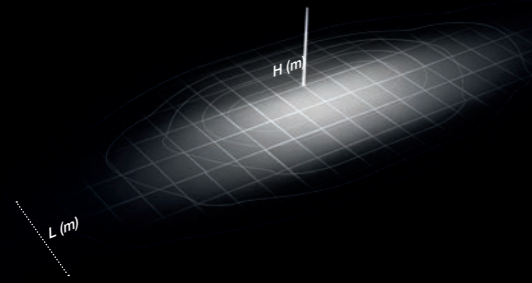
**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Precablaggio / Pre-wiring:**  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

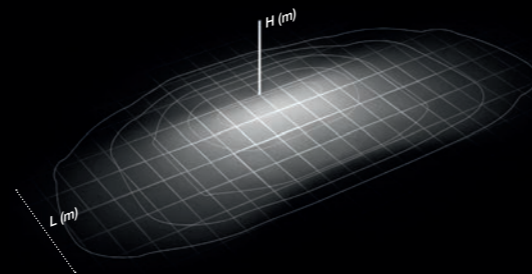
**Installazione / Installation:**  
sospensione braccio, sospensione tesata, parete,  
sottoportico / arm suspension, string suspension,  
wall, arcade

OTTICHE / OPTICS

LT-C1 Cycle Path  
L / H = 0,5

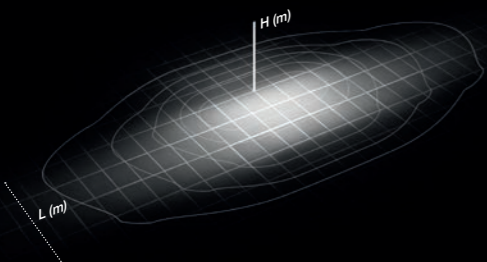


LA-03 Wide Street  
L / H = 1,25



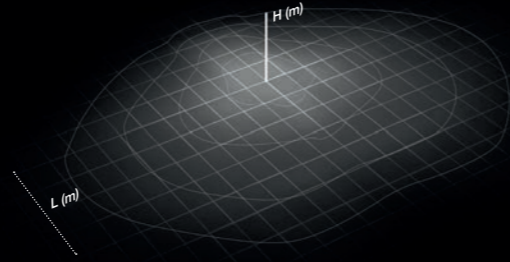
ECL

ST-02 Narrow Street  
L / H = 0,75

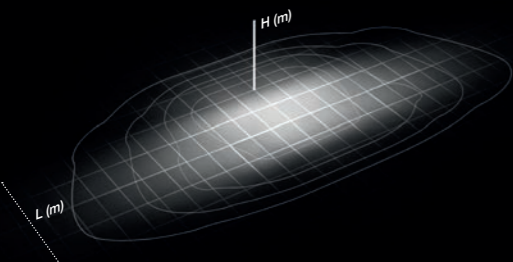


ECL

PB-01 Low Pole  
L / H = 2

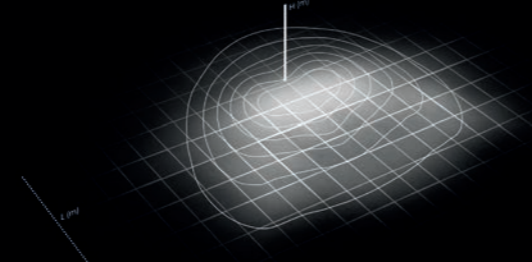


ME-05 Medium Street  
L / H = 1



ECL

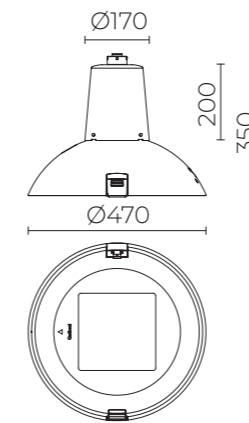
LT-64 Asymmetric Beam with backlight  
L / H = 2



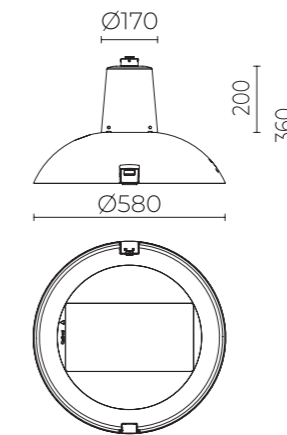
ECL



SMALL



MEDIUM



DATI TECNICI / TECHNICAL DATA

Installazione / Installation:  
con accessori, su pali Ø 60 - 76 - 102 mm  
with accessories, on poles Ø 60 - 76 - 102 mm

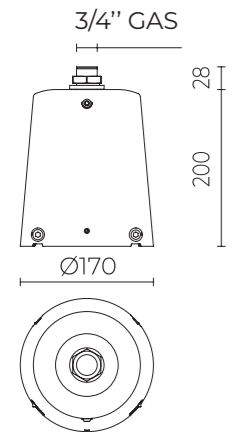


# Themelio

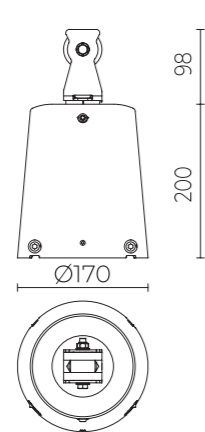
## Sospensione braccio / Arm suspension

### ACCESSORI E BRACCI / ACCESSORIES AND ARMS

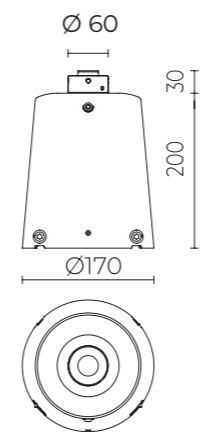
**01TH900CO**  
Sospensione 3/4" GAS  
3/4" GAS suspension



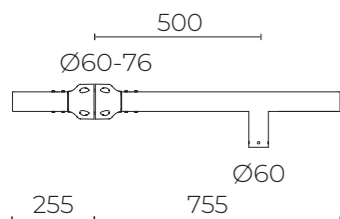
**01TH903CO**  
Sospensione carrucola  
Pulley suspension



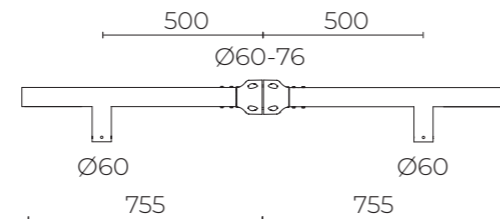
**01TH904CO**  
Sospensione per bracci  
Suspension for arms



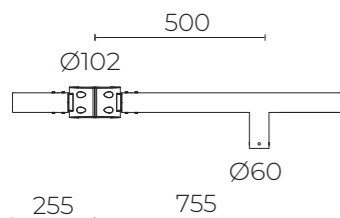
**01AK988CO**  
B212 - Braccio per pali  
Arm for poles



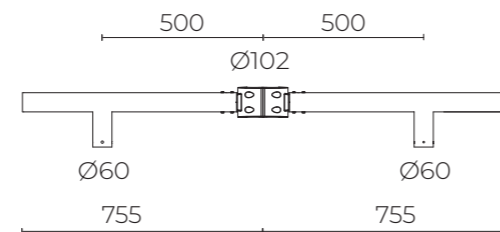
**01AK989CO**  
B213 - Braccio doppio per pali  
Double arm for poles



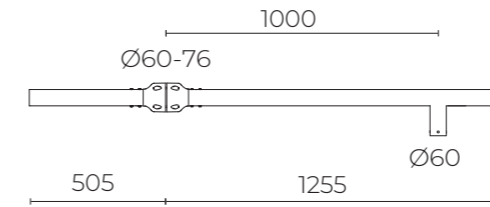
**01AK990CO**  
B214 - Braccio per pali  
Arm for poles



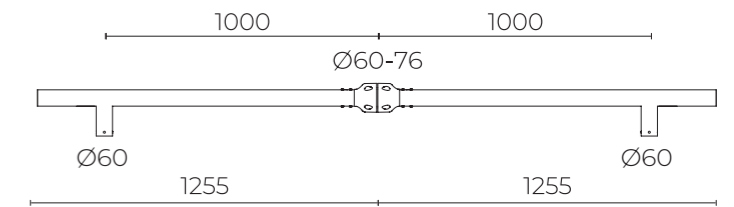
**01AK991CO**  
B215 - Braccio doppio per pali  
Double arm for poles



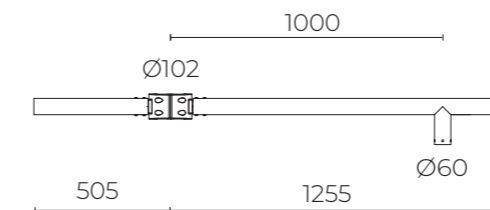
**01AK992CO**  
B216 - Braccio per pali  
Arm for poles



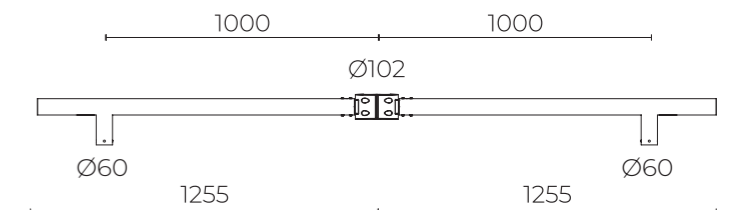
**01AK994CO**  
B217 - Braccio doppio per pali  
Double arm for poles



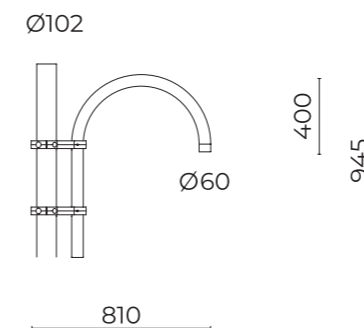
**01AK995CO**  
B218 - Braccio per pali  
Arm for poles



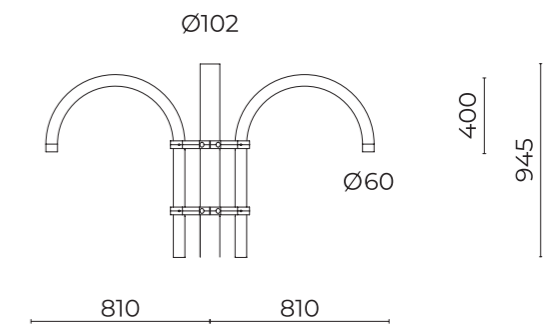
**01AK996CO**  
B219 - Braccio doppio per pali  
Double arm for poles



**01AK935CO**  
B15 - Braccio pastorale per pali  
Curved arm for poles



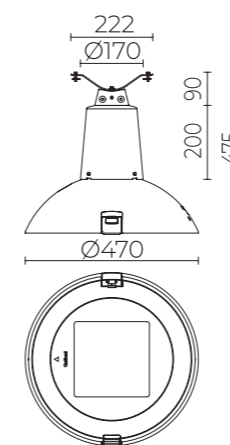
**01AK936CO**  
B16 - Braccio pastorale doppio per pali  
Double curved arm for poles



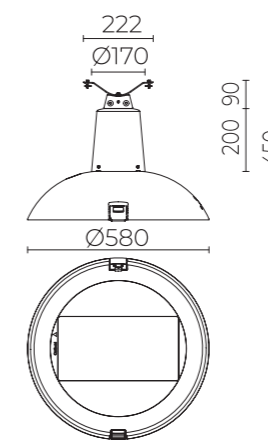
**Themelio**  
Sospensione tesata  
String suspension



SMALL



MEDIUM



**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
sospensione tesata / suspension for string

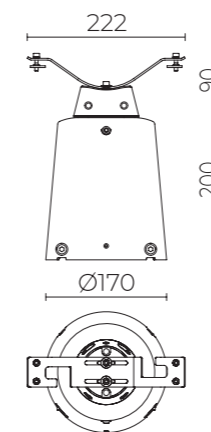
**Inclinazione / Inclination:**  
orizzontale ±15° / horizontal ±15°

**Orientabilità / Adjustability:**  
0° ÷ 360°

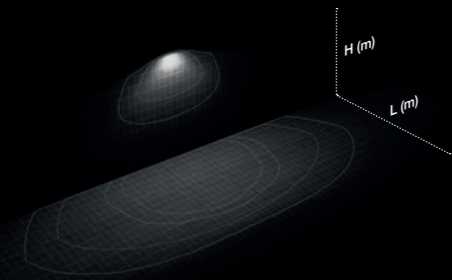
**ACCESSORI / ACCESSORIES**

**01TH901CO**

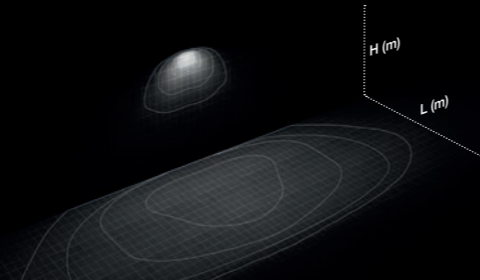
**Sospensione tesata per fune Ø 6 ÷ 12 mm**  
Suspension for string Ø 6 ÷ 12 mm



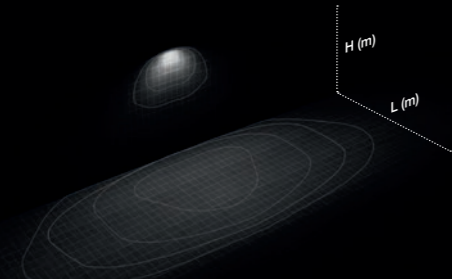
ST-02 Narrow Street  
L / H = 0,75



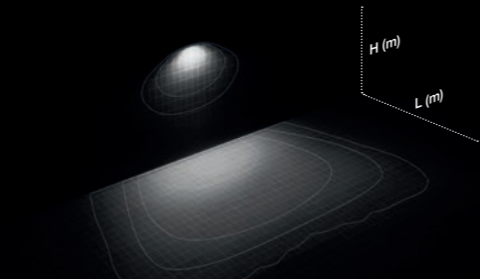
LA-03 Wide Street  
L / H = 1,25



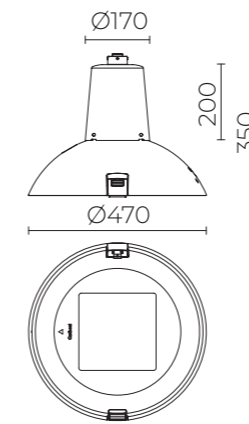
ME-05 Medium Street  
L / H = 1



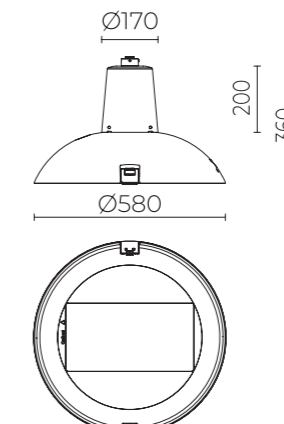
LT-63 Asymmetric Beam  
L / H = 2



SMALL



MEDIUM



DATI TECNICI / TECHNICAL DATA

Installazione / Installation:  
parete / wall-mounted

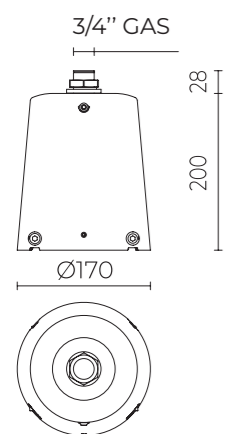


**Themelio**

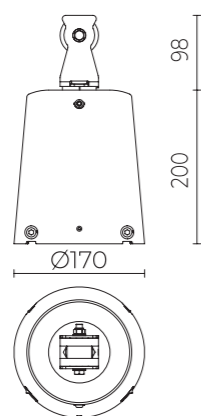
Parete / Wall

ACCESSORI E BRACCI / ACCESSORIES AND ARMS

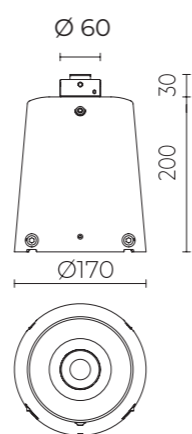
**01TH900C0**  
Sospensione 3/4" GAS  
3/4" GAS suspension



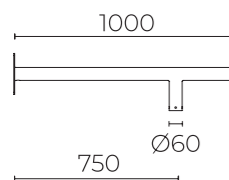
**01TH903C0**  
Sospensione carrucola  
Pulley suspension



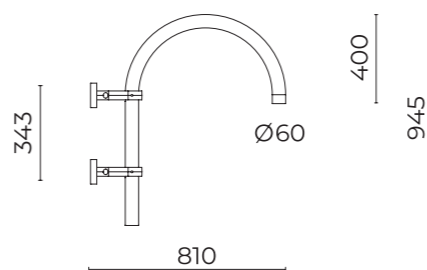
**01TH904C0**  
Sospensione per bracci  
Suspension for arms

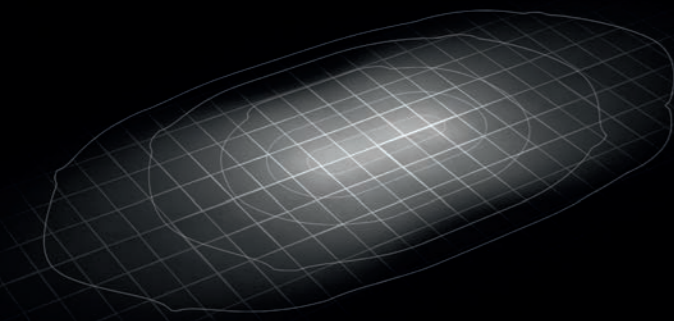
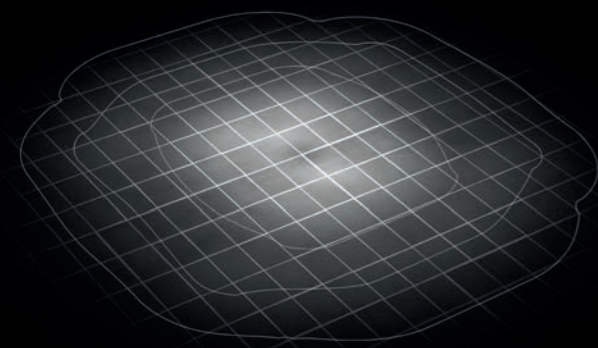


**01AK983C0**  
B207-P - Kit attacco a parete sospensione  
Suspension wall-mounting kit



**01AK950C0**  
B1-P - Braccio pastorale a parete  
Curved arm for wall

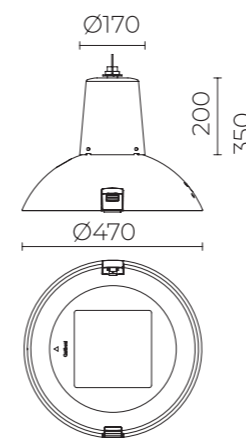




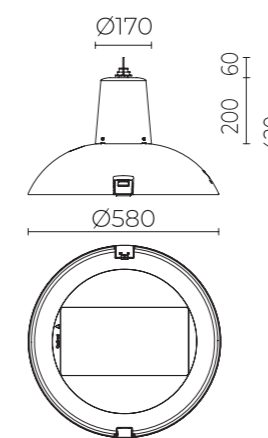
**Themelio**  
Soffitto / Ceiling



SMALL



MEDIUM



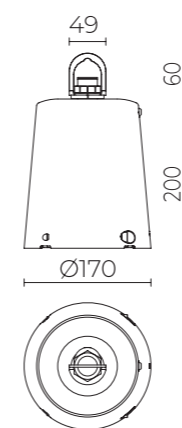
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
sottoportico / arcade

**ACCESSORI / ACCESSORIES**

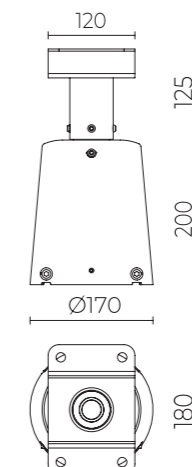
**01TH902C0**

**Sospensione per catena (non inclusa)**  
Suspension for chain (not included)



**01TH905C0**

**Sospensione sottoportico**  
Arcade suspension



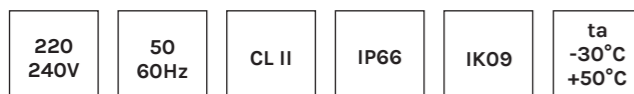


# NODEA



NODEA è una lanterna urbana moderna,  
disegnata dall'architetto e lighting designer  
François Migeon per l'illuminazione di percorsi e  
spazi urbani.

NODEA is a modern urban lantern, designed by  
the architect and lighting designer François  
Migeon for lighting urban pathways and spaces.



#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
1230 - 5540 lm

**Potenza apparecchio** / Fitting power:  
12 - 37 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale. Su richiesta DALI  
virtual midnight. On request DALI

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### MATERIALI / MATERIALS

**Corpo** / Body:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
4,5 kg

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Resistenza sovratensioni** / Surge Protection Device:  
10 kV MC/MD

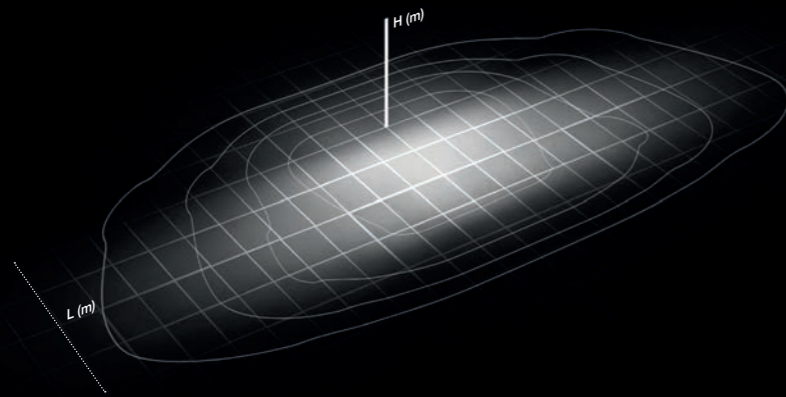
**Precablaggio** / Pre-wiring:  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

**Installazione** / Installation:  
lato palo / pole side

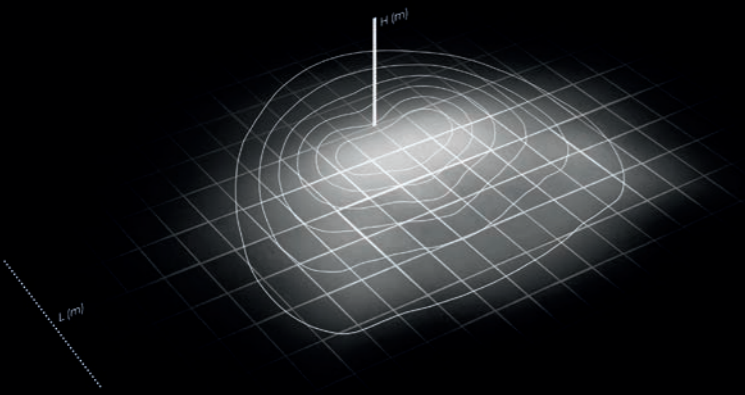


OTTICHE / OPTICS

ME-05 Medium Street  
L / H = 1

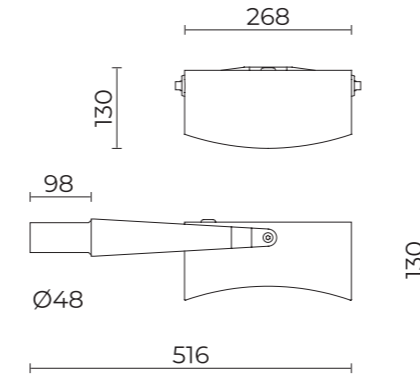


LT-64 Asymmetric Beam with backlight  
L / H = 2



Nodea

Lato palo / Pole side



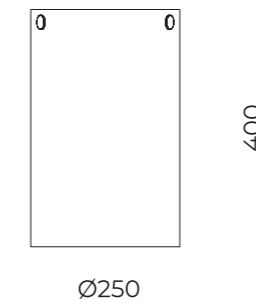
DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
braccio Ø 48 mm / arm Ø 48 mm

**Inclinazione / Inclination:**  
regolazione continua / continuous adjustment

ACCESSORI / ACCESSORIES

**06ND901Y0**  
**Diffusore policarbonato trasparente**  
Transparent polycarbonate diffuser



# ORAO

ORAO è stato pensato per il benessere degli abitanti degli spazi urbani. Geometrie e finiture migliorano il comfort visivo garantendo le performance fotometriche del sistema ottico.

ORAO was designed for the well-being of inhabitants in urban areas. Its shapes and finishes enhance visual comfort without compromising the photometric performance of the optical system.



220 240V	50 60Hz	CL II	IP66	IK09	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
1230 - 23180 lm

**Potenza apparecchio** / Fitting power:  
12 - 155 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless / virtual midnight. On request  
ZHAGA, DALI, CLO, PLC, wireless telemanagement

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio** / Body and fitting system:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN AB  
47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli agenti  
atmosferici / phospho-chromatation treated and polyester  
powder-coated in 16 phases to increase weather resistance

#### COLORI / COLOURS

- SABLÉ 100 NOIR



#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
7.5 kg (small), 12 kg (medium)

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

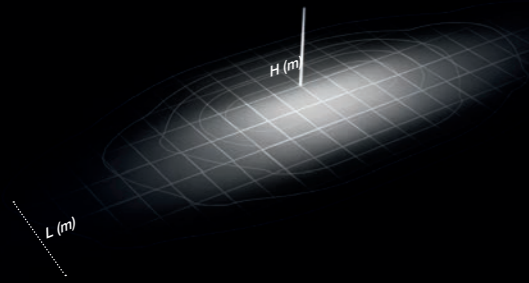
**Resistenza sovratensioni** / Surge Protection Device:  
10 kV MC/MD

**Precablaggio** / Pre-wiring:  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

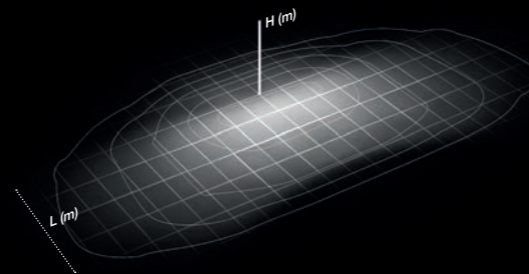
**Installazione** / Installation:  
lato palo, sospensione tesata, parete, sottoportico  
pole side, string suspension, wall, arcade

OTTICHE / OPTICS

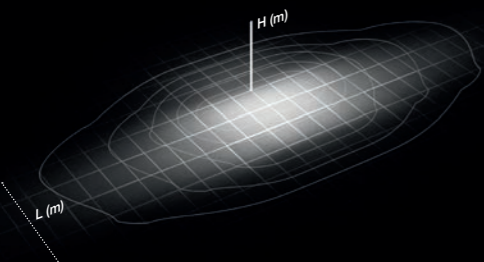
LT-C1 Cycle Path  
L / H = 0,5



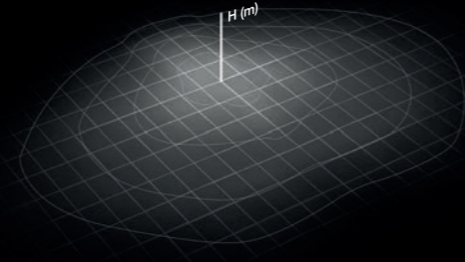
LA-03 Wide Street  
L / H = 1,25



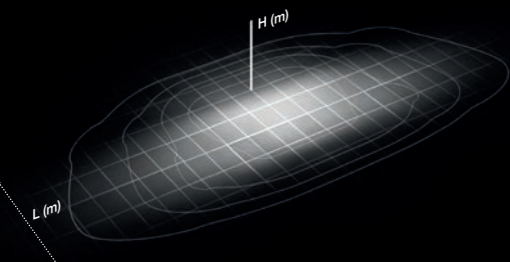
ST-02 Narrow Street  
L / H = 0,75



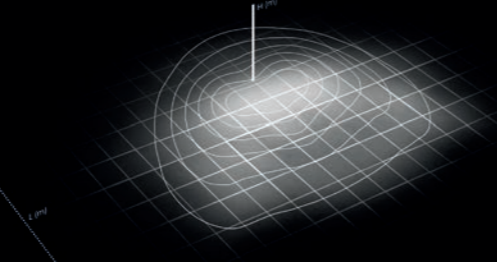
PB-01 Low Pole  
L / H = 2



ME-05 Medium Street  
L / H = 1



LT-64 Asymmetric Beam with backlight  
L / H = 2

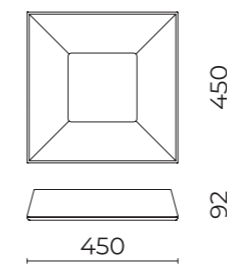


Orao

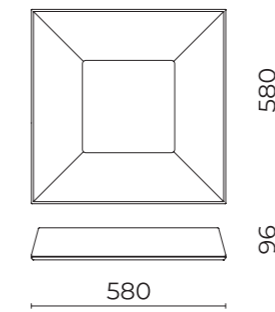
Lato palo / Pole side



SMALL



MEDIUM



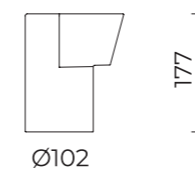
DATI TECNICI / TECHNICAL DATA

Installazione / Installations:

con accessorio 01OR901CO su pali Ø 102 mm;  
con bracci su pali Ø 60 - 76 - 102 mm / with  
accessory 01OR901CO on poles Ø 102 mm; with  
arms for poles Ø 60 - 76 - 102 mm

01OR901CO

B96 - Attacco testa palo Ø 60 mm H 90 mm  
Joint for post top Ø 60 mm H 90 mm

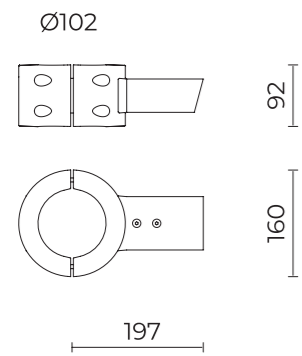


Orao

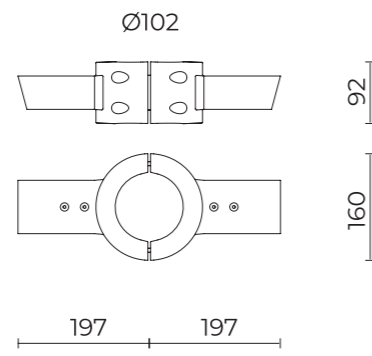
Lato palo / Pole side

BRACCI / ARMS

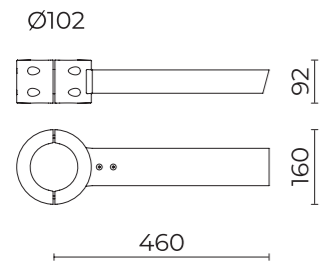
**01OR904C0**  
**B99 - Braccio rettangolare**  
Rectangular arm



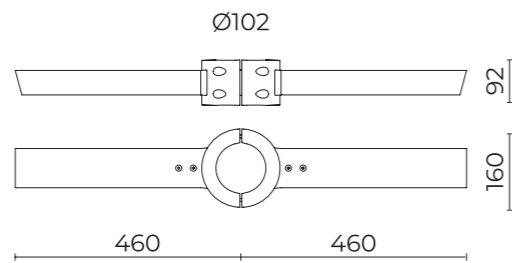
**01OR905C0**  
**B100 - Braccio doppio rettangolare**  
Rectangular double arm



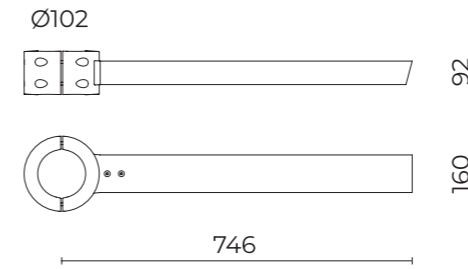
**01OR906C0**  
**B101 - Braccio rettangolare**  
Rectangular arm



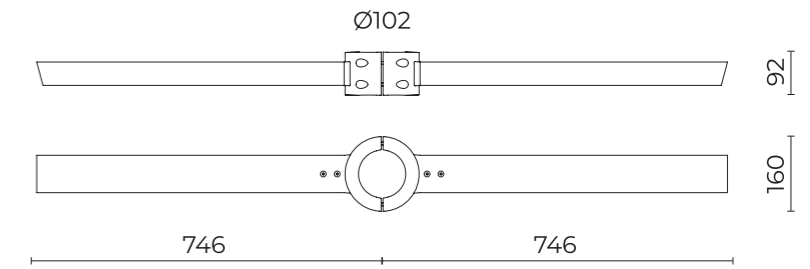
**01OR907C0**  
**B102 - Braccio doppio rettangolare**  
Rectangular double arm



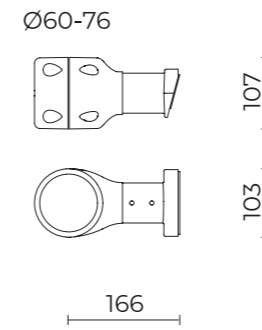
**01OR908C0**  
**B103 - Braccio rettangolare**  
Rectangular arm



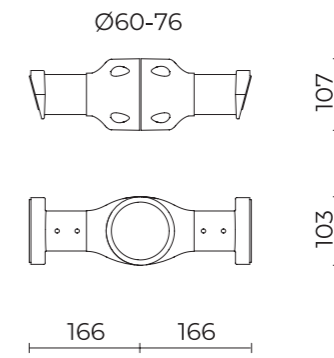
**01OR909C0**  
**B104 - Braccio doppio rettangolare**  
Rectangular double arm



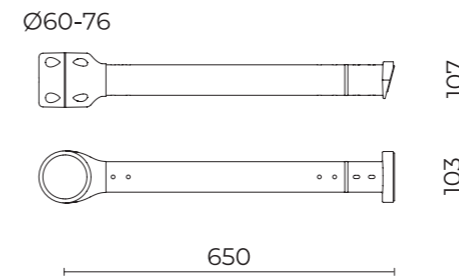
**01OR911C0**  
**B106 - Braccio tubolare**  
Tubular arm



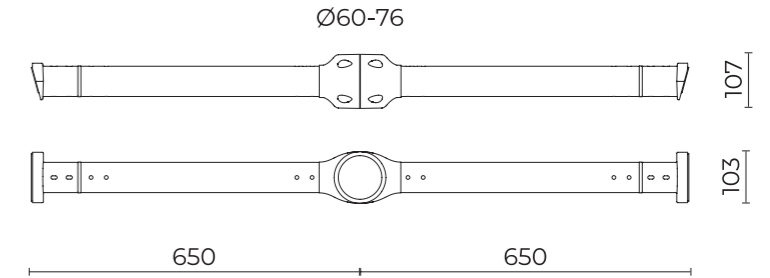
**01OR912C0**  
**B107 - Braccio doppio tubolare**  
Tubular double arm



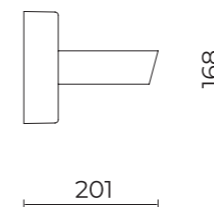
**01OR913C0**  
**B108 - Braccio tubolare**  
Tubular arm



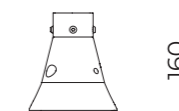
**01OR914C0**  
**B109 - Braccio doppio tubolare**  
Tubular double arm



**01OR903C0**  
**B98-P - Braccio parete**  
Arm for wall

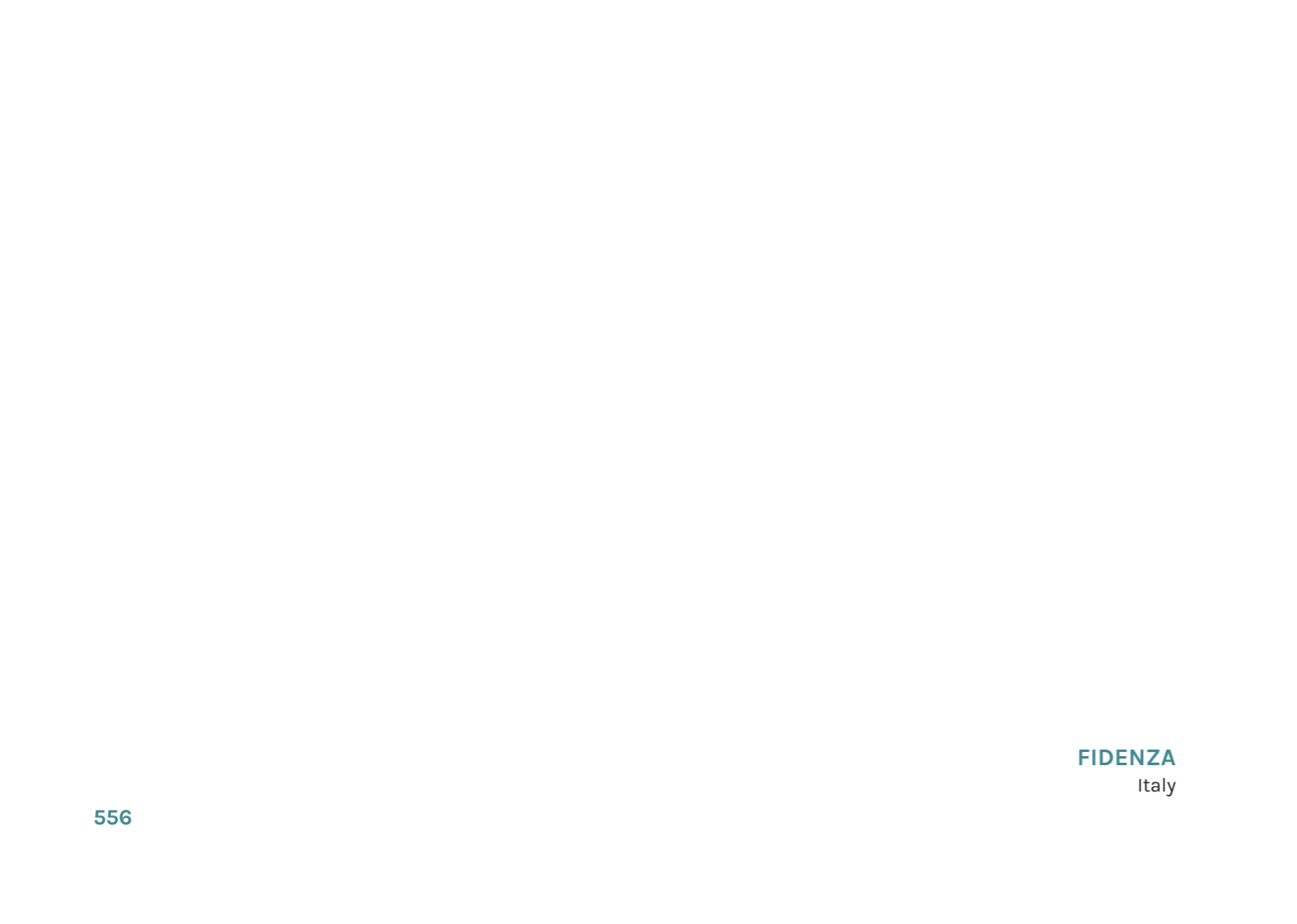


**01OR916C0**  
**B83 - Attacco sospensione pastorale**  
Kit for suspension on curved arm





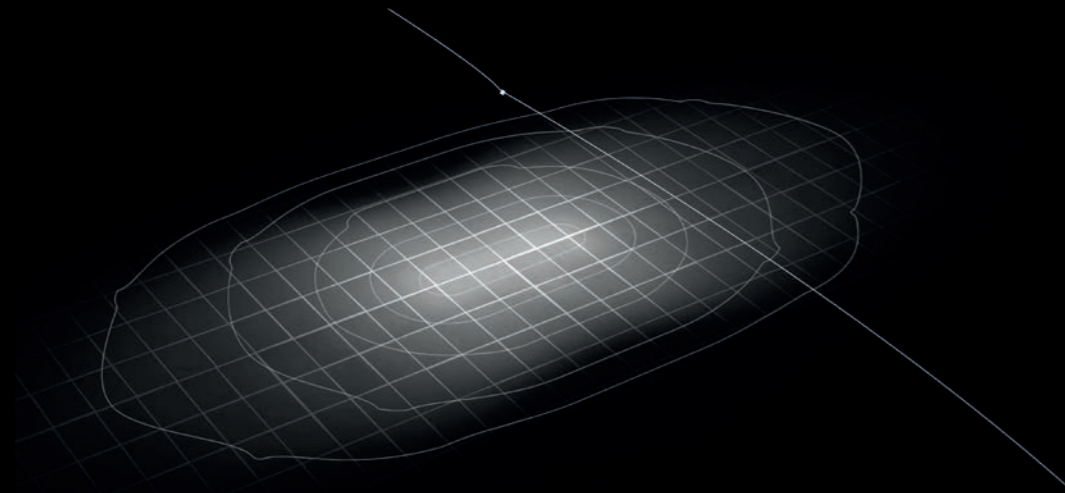
CENTELLES  
Spain



FIDENZA  
Italy



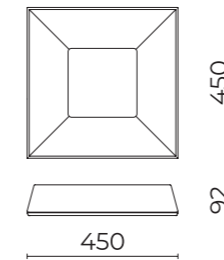




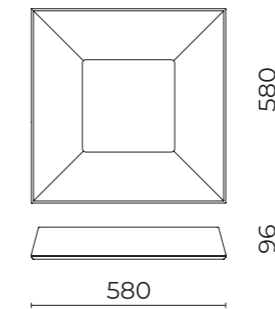
**Orao**  
Sospensione tesata  
String suspension



## SMALL



## MEDIUM



## DATI TECNICI / TECHNICAL DATA

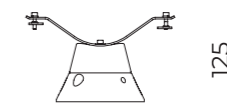
**Installazione / Installation:**  
sospensione tesata / string suspension

**Inclinazione / Inclination:**  
orizzontale  $\pm 15^\circ$  / horizontal  $\pm 15^\circ$

**Orientabilità / Adjustability:**  
 $0^\circ \div 360^\circ$

## ACCESSORI / ACCESSORIES

**01OR915CO**  
**B82 - Kit sospensione fune tesata  $\varnothing 6 \div 12$  mm**  
Suspension kit for string  $\varnothing 6 \div 12$  mm





# FLAT LINK

L'ampia gamma di soluzioni ottiche e di fissaggio rendono FLAT LINK una soluzione ideale per l'illuminazione di spazi e percorsi urbani in ogni città. Design by Silvio De Ponte.

The wide range of optical and installation solutions make FLAT LINK an ideal solution for lighting urban spaces and pathways in every city. Design by Silvio De Ponte.

220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
3720 - 17140 lm

**Potenza apparecchio / Fitting power:**  
26,5 - 128,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 4

**Illuminazione intelligente / Smart Lighting:**  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless  
virtual midnight. On request ZHAGA, DALI, CLO, PLC,  
wireless telemanagement

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Copertura / Upper dome:**  
tornitura di lastra di alluminio  
aluminium plate turning

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR



#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
11 kg

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

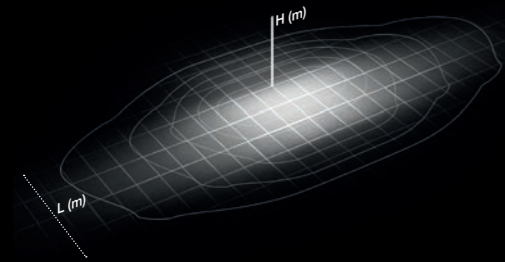
**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Precablaggio / Pre-wiring:**  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

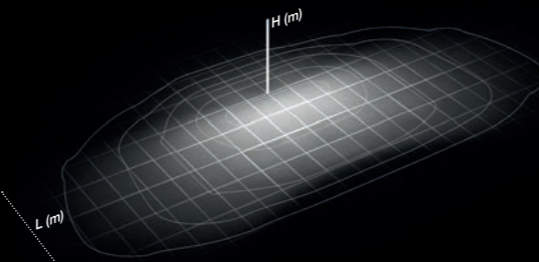
**Installazione / Installation:**  
lato palo, sospensione braccio, sospensione tesata,  
parete / pole side, arm suspension, string  
suspension, wall

OTTICHE / OPTICS

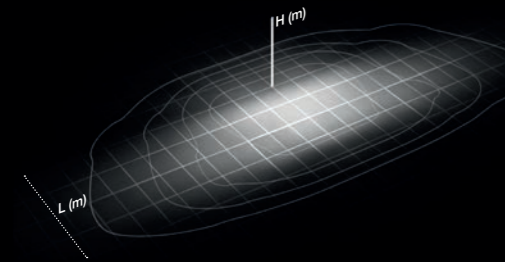
ST-01 Narrow Street  
L / H = 0,75



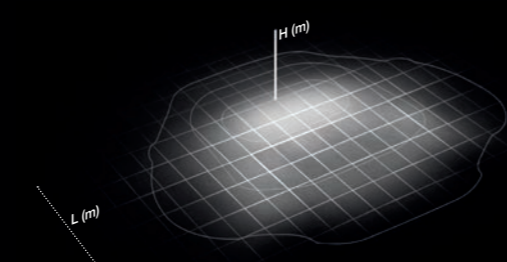
LA-01 Wide Street  
L / H = 1,25



ME-01 Medium Street  
L / H = 1



LT-06 Asymmetric Beam  
L / H = 2

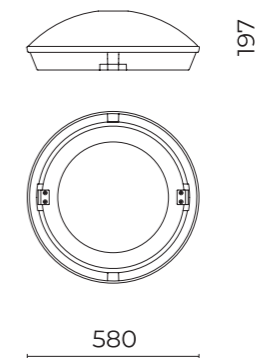


**Flat Link**  
Lato palo / Pole side



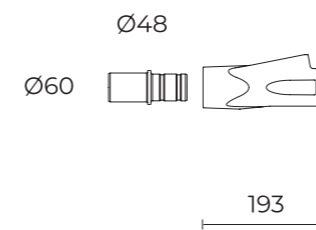
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
con accessori su bracci Ø 48 - 60 mm per  
pali Ø 60 - 76 - 102 - 114 mm. Con accessorio  
01AK902C0 su pali Ø 60 mm  
with accessories on arms Ø 48 - 60 mm for  
poles Ø 60 - 76 - 102 - 114 mm. With accessory  
01AK902C0 on poles Ø 60 mm

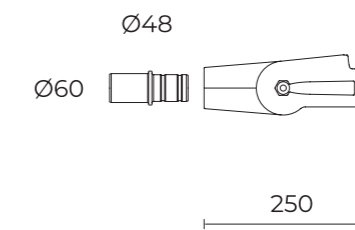


**ACCESSORI / ACCESSORIES**

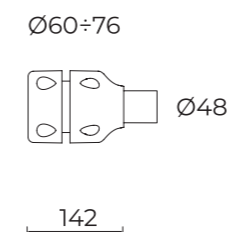
**01AK901C0**  
**L1 - Kit laterale fisso**  
**per braccio**  
Fixed side kit for arm



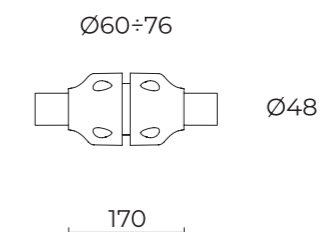
**01AK902C0**  
**L2 - Kit laterale regolabile**  
**per palo o braccio**  
Adjustable side kit for pole or arm



**01AK903C0**  
**L3 - Kit giunto**  
**per palo o braccio**  
Joint kit for pole or arm



**01AK904C0**  
**L4 - Kit giunto doppio**  
**per palo o braccio**  
Double joint kit for pole or arm

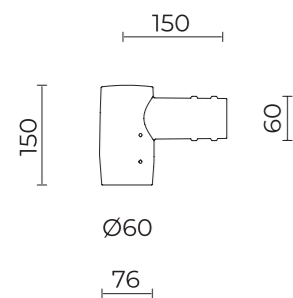


## Flat Link

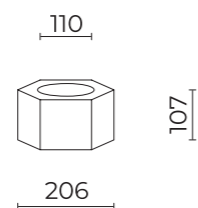
Lato palo / Pole side

## ACCESSORI E BRACCI / ACCESSORIES AND ARMS

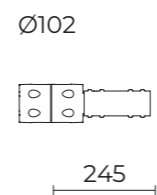
**06AK905CO**  
**B153 - Giunto testa palo H 90 mm**  
 Joint post top H 90 mm



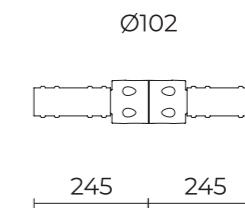
**01SC904ADO**  
**E1 - Kit esagono 1 - 2 agganci 180°**  
 per palo Ø 114 mm  
 Hexagonal connector kit 1 - 2 180°  
 couplings for a Ø 114 mm pole



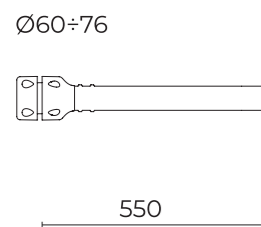
**06AK906CO**  
**B154 - Braccio per pali**  
 Arm for poles



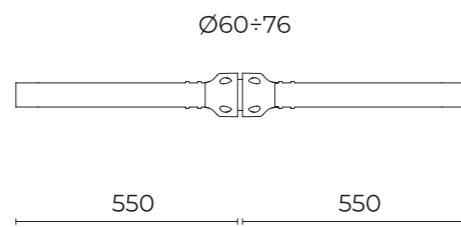
**06AK908CO**  
**B156 - Braccio doppio per pali**  
 Double arm for poles



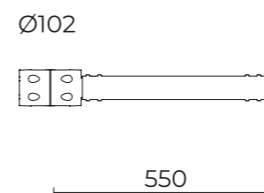
**01AK921CO**  
**B1 - Braccio per pali**  
 Arm for poles



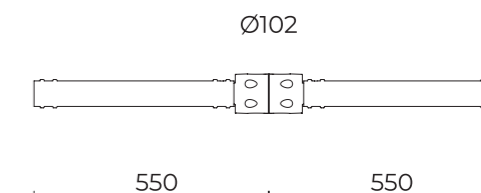
**01AK922CO**  
**B2 - Braccio doppio per pali**  
 Double arm for poles



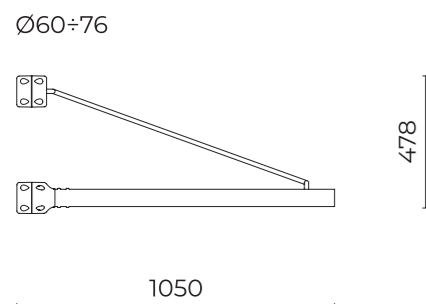
**06AK907CO**  
**B155 - Braccio per pali**  
 Arm for poles



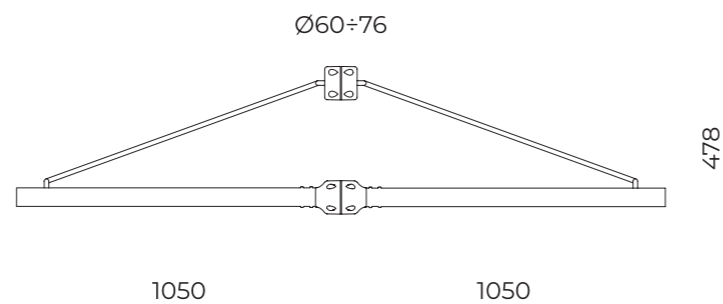
**06AK909CO**  
**B157 - Braccio doppio per pali**  
 Double arm for poles



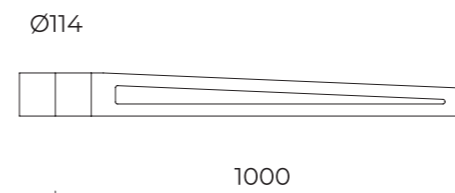
**01AK923CO**  
**B3 - Braccio con tirante per pali**  
 Arm with tensioning rod for poles



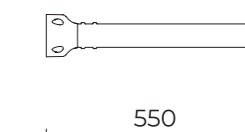
**01AK924CO**  
**B4 - Braccio doppio con tirante per pali**  
 Double arm with tensioning rod for poles



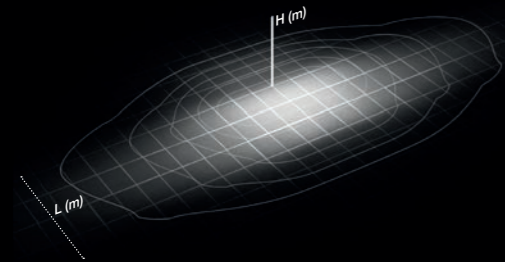
**01AK931CO**  
**B11 - Braccio lavorato per pali**  
 Arm machined for poles



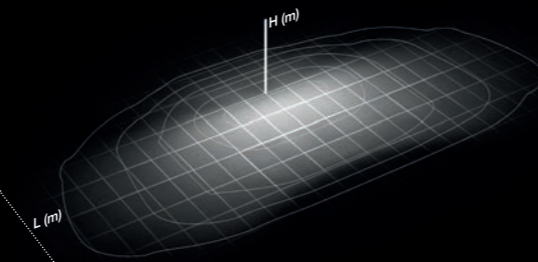
**01AK951CO**  
**B1-P - Braccio parete**  
 Arm for wall



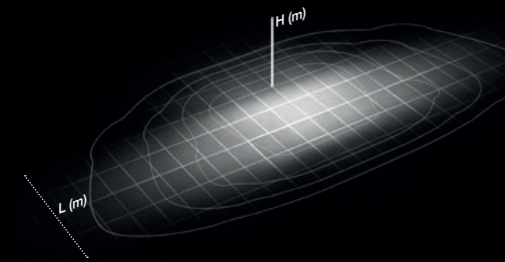
ST-01 Narrow Street  
L / H = 0,75



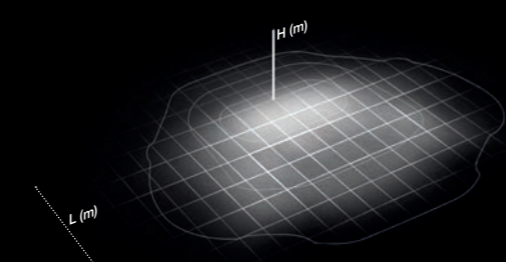
LA-01 Wide Street  
L / H = 1,25



ME-01 Medium Street  
L / H = 1



LT-06 Asymmetric Beam  
L / H = 2



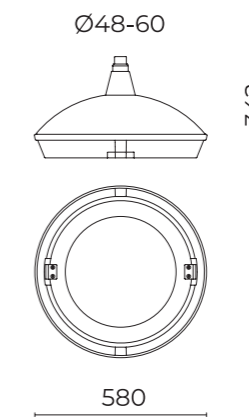
## Flat Link

Sospensione braccio / Arm suspension



### DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
con accessori su bracci 1"1/2 GAS, 3/4" GAS; su bracci Ø 48 - 60 mm per pali Ø 60 - 76 - 102 - 114 mm / with accessories on arms 1"1/2 GAS, 3/4" GAS; on arms Ø 48 - 60 mm for poles Ø 60 - 76 - 102 - 114 mm



### ACCESSORI / ACCESSORIES

**01AK907C0**  
**L16 - Kit sospensione maschio**  
Male suspension kit

1"1/2 GAS



Ø48

**01AK914C0**  
**L17 - Kit sospensione maschio**  
Male suspension kit

3/4" GAS



Ø48

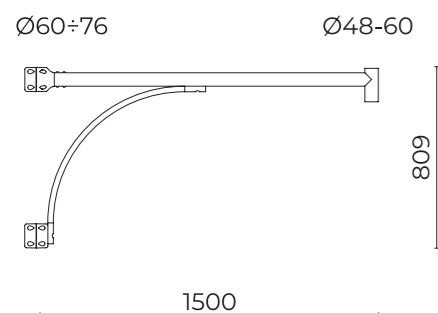


## Flat Link

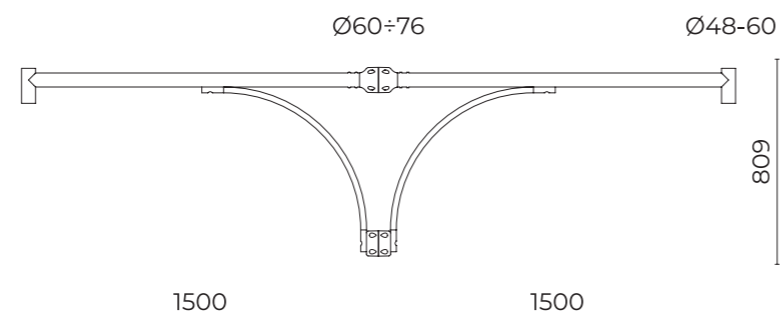
Sospensione braccio / Arm suspension

### BRACCI / ARMS

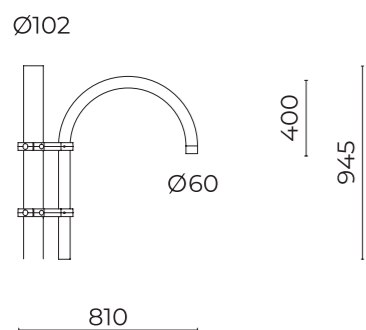
**01AK933CO**  
**B13 - Braccio ad arco per pali**  
Arched arm for poles



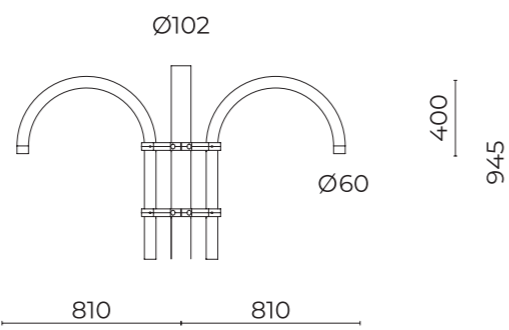
**01AK934CO**  
**B14 - Braccio ad arco doppio per pali**  
Double arched arm for poles



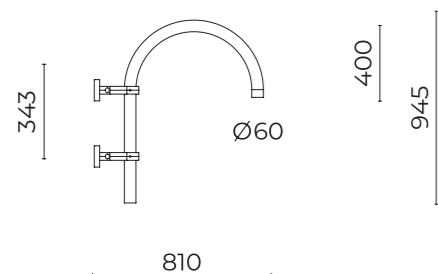
**01AK935CO**  
**B15 - Braccio pastorale per pali**  
Curved arm for poles



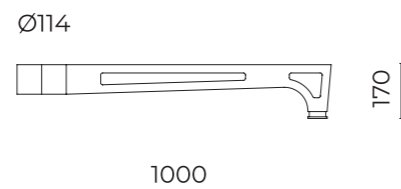
**01AK936CO**  
**B16 - Braccio pastorale doppio per pali**  
Double curved arm for poles

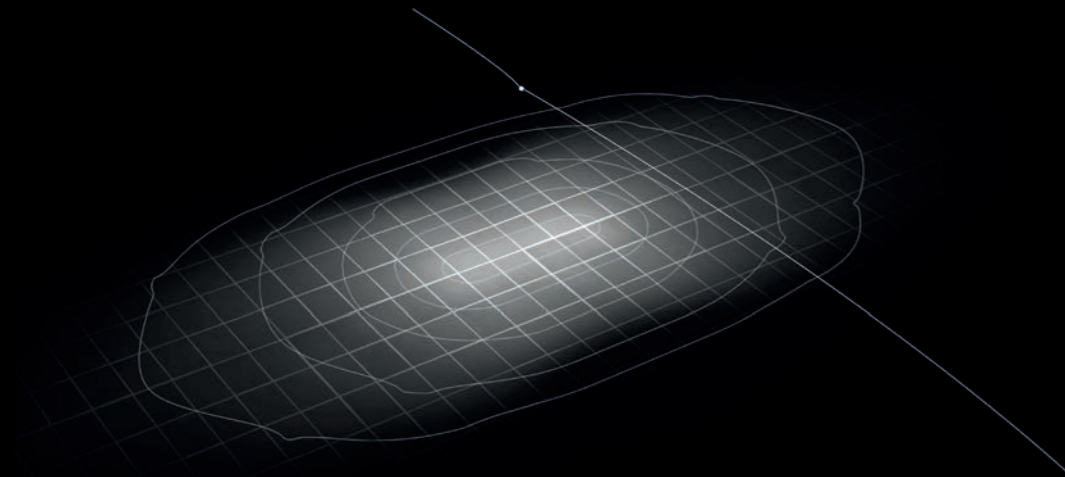


**01AK950CO**  
**B15-P - Braccio pastorale a parete**  
Curved arm for wall



**01AK941CO**  
**B21 - Braccio lavorato per pali**  
Arm machined for poles





## Flat Link

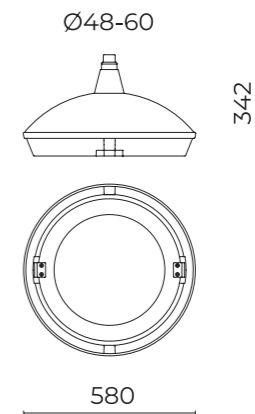
Sospensione tesata  
String suspension



### DATI TECNICI / TECHNICAL DATA

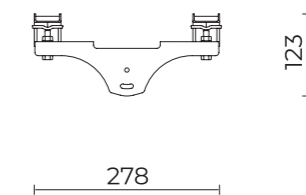
**Installazione / Installation:**  
sospensione tesata / string suspension

**Orientabilità / Adjustability:**  
0° ÷ 360°



### ACCESSORI / ACCESSORIES

**01AK913CO**  
Kit di sospensione  
per fune tesata Ø 6 ÷ 12 mm  
Suspension kit for string Ø 6 ÷ 12 mm





# BIG LINK



L'ampia gamma di soluzioni ottiche e di fissaggio rendono BIG LINK una soluzione ideale per l'illuminazione di spazi e percorsi urbani in ogni città. Design by Silvio De Ponte.

The wide range of optical and installation solutions make BIG LINK an ideal solution for lighting urban spaces and pathways in every city. Design by Silvio De Ponte.



CityLife SHOPPING DISTRICT

220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
3720 - 17140 lm

**Potenza apparecchio / Fitting power:**  
26,5 - 128,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 4

**Illuminazione intelligente / Smart Lighting:**  
mezzanotte virtuale. Su richiesta DALI, CLO  
virtual midnight. On request DALI, CLO

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Copertura / Upper dome:**  
tornitura di lastra di alluminio  
aluminium plate turning

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR



#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
11 kg

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

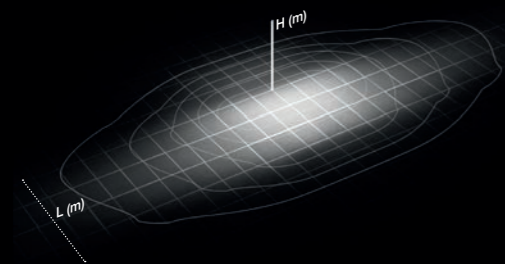
**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

**Precablaggio / Pre-wiring:**  
prodotto pre-cablato con cavo e connettore  
pre-wired product with cable and connector

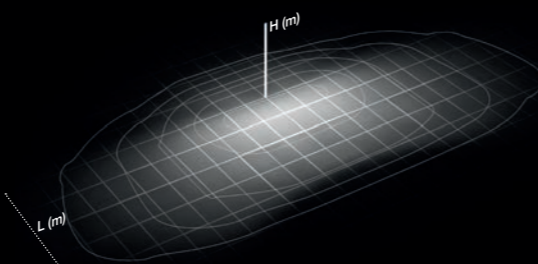
**Installazione / Installation:**  
lato palo, sospensione braccio  
pole side, arm suspension

OTTICHE / OPTICS

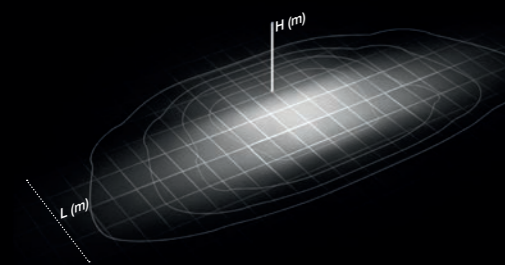
ST-01 Narrow Street  
L / H = 0,75



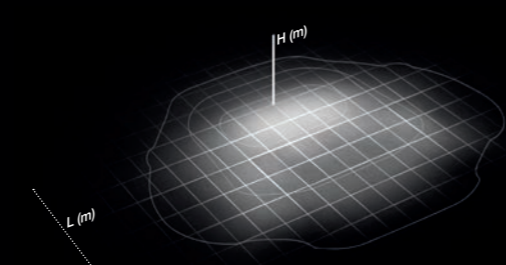
LA-01 Wide Street  
L / H = 1,25



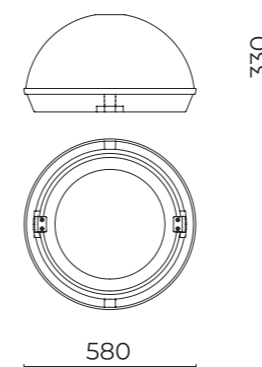
ME-01 Medium Street  
L / H = 1



LT-06 Asymmetric Beam  
L / H = 2



Big Link  
Lato palo / Pole side



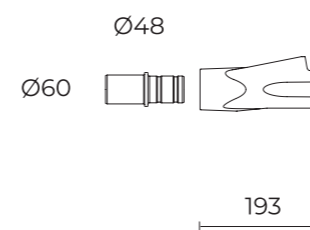
DATI TECNICI / TECHNICAL DATA

Installazione / Installation:

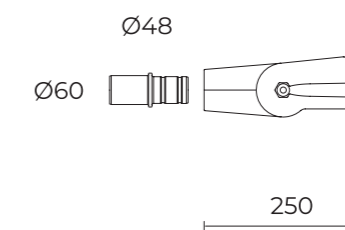
con accessori su bracci Ø 48 - 60 mm per pali Ø 60 - 76 - 102 - 114 mm.  
Con accessorio 01AK902C0 su pali Ø 60 mm  
with accessories on arms Ø 48 - 60 mm for poles Ø 60 - 76 - 102 - 114 mm.  
With accessory 01AK902C0 on poles Ø 60 mm

ACCESSORI / ACCESSORIES

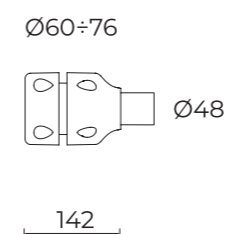
**01AK901C0**  
L1 - Kit laterale fisso  
per braccio  
Fixed side kit for arm



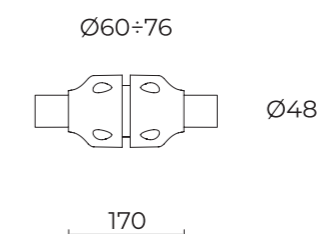
**01AK902C0**  
L2 - Kit laterale regolabile  
per palo o braccio  
Adjustable side kit for pole or arm



**01AK903C0**  
L3 - Kit giunto  
per palo o braccio  
Joint kit for pole or arm



**01AK904C0**  
L4 - Kit giunto doppio  
per palo o braccio  
Double joint kit for pole or arm

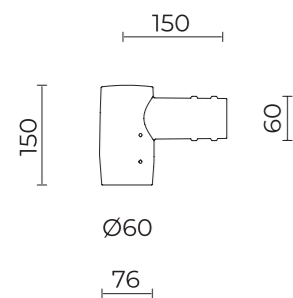


# Big Link

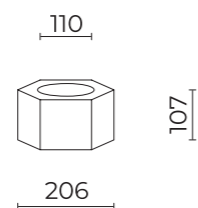
Lato palo / Pole side

## ACCESSORI E BRACCI / ACCESSORIES AND ARMS:

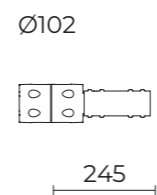
**06AK905CO**  
**B153 - Giunto testa palo H 90 mm**  
 Joint post top H 90 mm



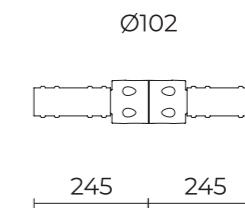
**01SC904ADO**  
**E1 - Kit esagono 1 - 2 agganci 180° per palo Ø 114 mm**  
 Hexagonal connector kit 1 - 2 180° couplings for a Ø 114 mm pole



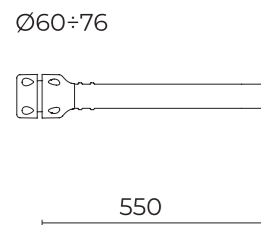
**06AK906CO**  
**B154 - Braccio per pali**  
 Arm for poles



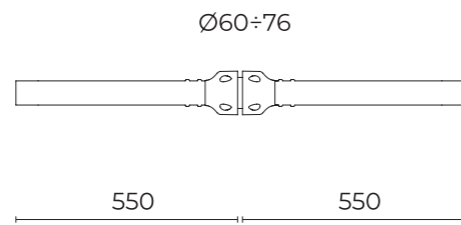
**06AK908CO**  
**B156 - Braccio doppio per pali**  
 Double arm for poles



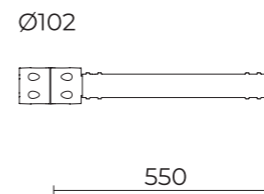
**01AK921CO**  
**B1 - Braccio per pali**  
 Arm for poles



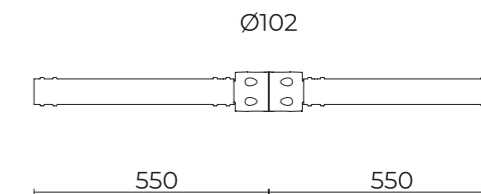
**01AK922CO**  
**B2 - Braccio doppio per pali**  
 Double arm for poles



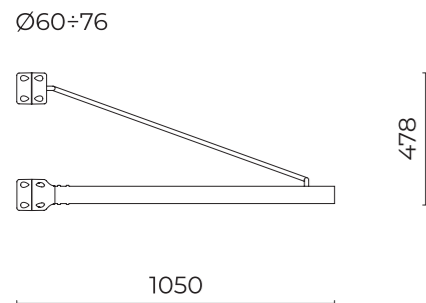
**06AK907CO**  
**B155 - Braccio per pali**  
 Arm for poles



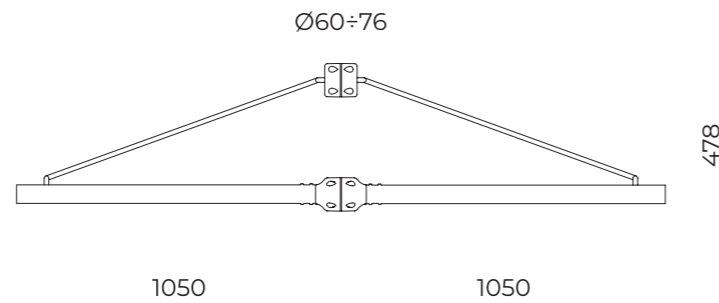
**06AK909CO**  
**B157 - Braccio doppio per pali**  
 Double arm for poles



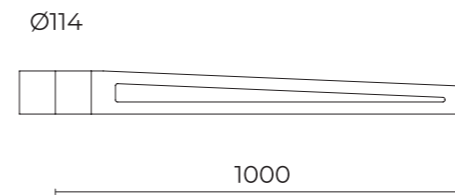
**01AK923CO**  
**B3 - Braccio con tirante per pali**  
 Arm with tensioning rod for poles



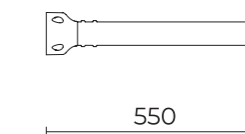
**01AK924CO**  
**B4 - Braccio doppio con tirante per pali**  
 Double arm with tensioning rod for poles



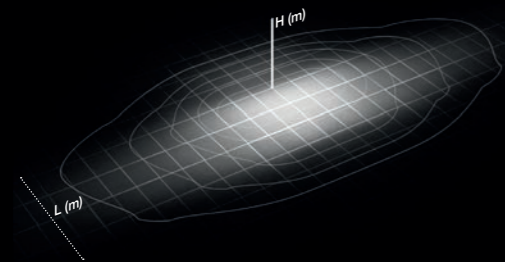
**01AK931CO**  
**B11 - Braccio lavorato per pali**  
 Arm machined for poles



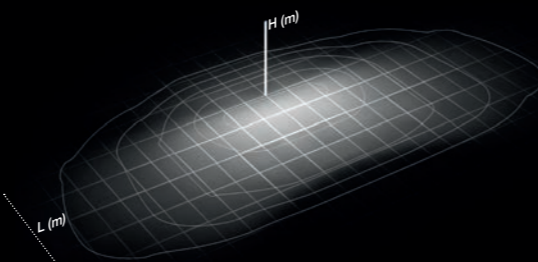
**01AK951CO**  
**B1-P - Braccio parete**  
 Arm for wall



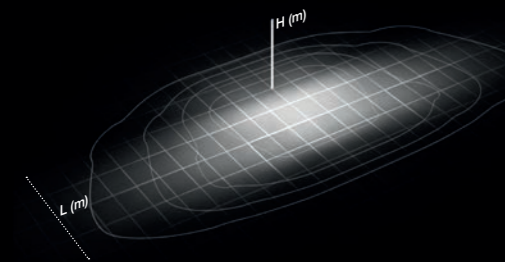
ST-01 Narrow Street  
L / H = 0,75



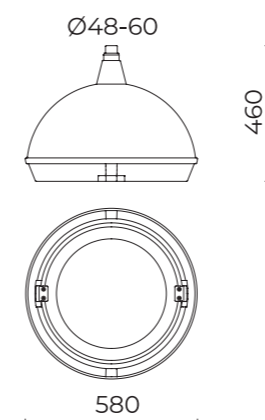
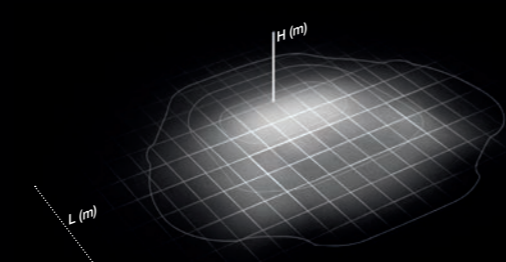
LA-01 Wide Street  
L / H = 1,25



ME-01 Medium Street  
L / H = 1



LT-06 Asymmetric Beam  
L / H = 2



DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
con accessori su bracci 1"1/2 GAS, 3/4" GAS; su bracci  
Ø 48 - 60 mm per pali Ø 60 - 76 - 102 - 114 mm  
with accessories on arms 1"1/2 GAS, 3/4" GAS; on arms  
Ø 48 - 60 mm for poles Ø 60 - 76 - 102 - 114 mm

ACCESSORI / ACCESSORIES

**01AK907C0**  
**L16 - Kit sospensione maschio**  
Male suspension kit

1"1/2 GAS



Ø48

**01AK914C0**  
**L17 - Kit sospensione maschio**  
Male suspension kit

3/4" GAS



28,5

Ø48

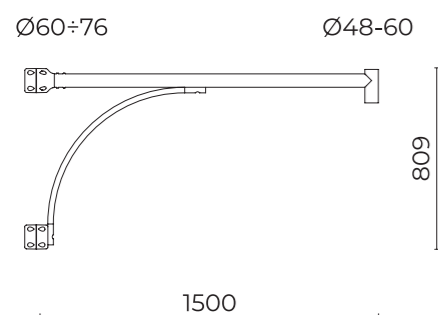


## Big Link

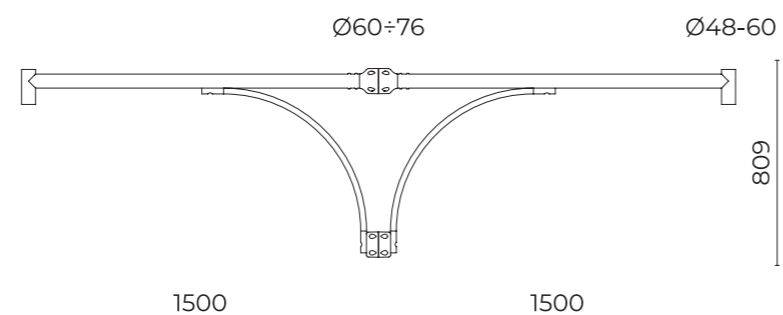
Sospensione braccio / Arm suspension

### BRACCI / ARMS

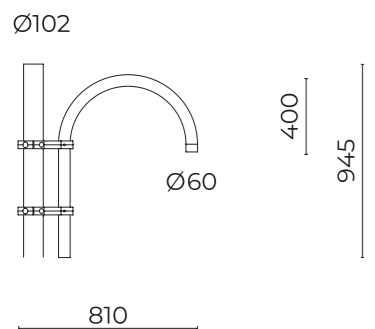
**01AK933CO**  
**B13 - Braccio ad arco per pali**  
Arched arm for poles



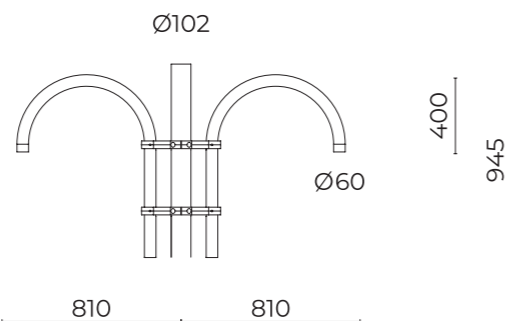
**01AK934CO**  
**B14 - Braccio ad arco doppio per pali**  
Double arched arm for poles



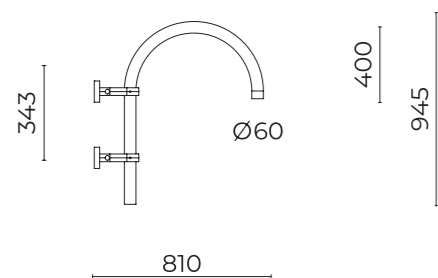
**01AK935CO**  
**B15 - Braccio pastorale per pali**  
Curved arm for poles



**01AK936CO**  
**B16 - Braccio pastorale doppio per pali**  
Double curved arm for poles



**01AK950CO**  
**B15-P - Braccio pastorale a parete**  
Curved arm for wall



# CLASSIC



CLASSIC coniuga forme tradizionali e innovazione tecnologica. È particolarmente adatto all'illuminazione di centri storici e di tutti i percorsi e gli spazi urbani con un lungo passato.

CLASSIC combines traditional shapes with technological innovation. It is particularly suitable for lighting historical centres and all the pathways and urban spaces with a long past.



220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1540 - 13840 lm

**Potenza apparecchio / Fitting power:**  
26,5 - 103,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 4

**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale. Su richiesta DALI, CLO, PLC,  
telegestione wireless / virtual midnight. On request  
DALI, CLO, PLC, wireless telemanagement

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Copertura / Upper dome:**  
tornitura di lastra di alluminio  
aluminium plate turning

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2200 K
- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
11 kg

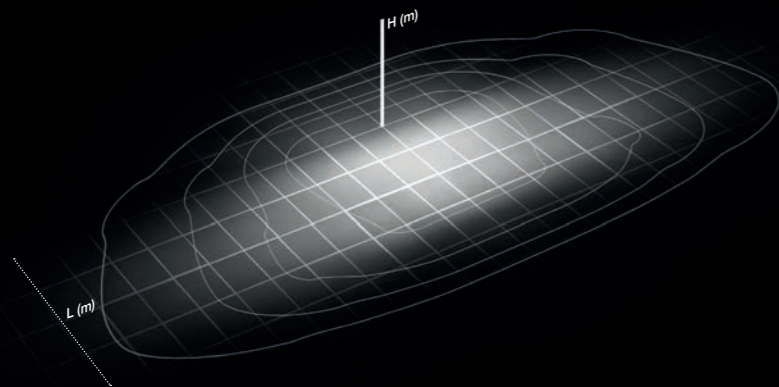
**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

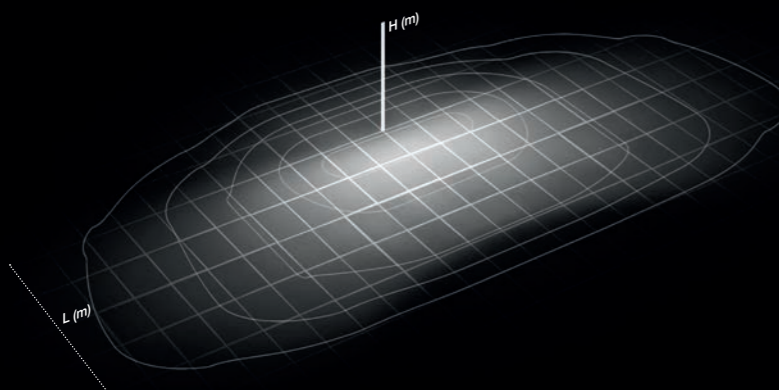
**Installazione / Installation:**  
sospensione braccio, parete / arm suspension, wall



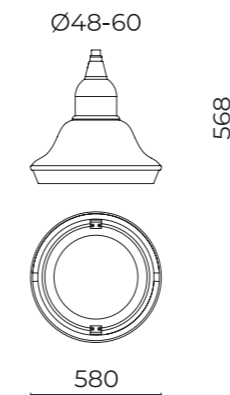
ME-01 Medium Street  
L / H = 1



LA-01 Wide Street  
L / H = 1,25



Sospensione braccio / Arm suspension



DATI TECNICI / TECHNICAL DATA

**Installazione / Installation:**  
con accessori su bracci 1"1/2 GAS, 3/4" GAS; su bracci  
Ø 48 - 60 mm per pali Ø 102 mm / with accessories on arms  
1"1/2 GAS, 3/4" GAS; on arms Ø 48 - 60 mm for poles Ø 102 mm

ACCESSORI / ACCESSORIES

**01AK907C0**  
**L16 - Kit sospensione maschio**  
Male suspension kit

1"1/2 GAS



Ø48

**01AK914C0**  
**L17 - Kit sospensione maschio**  
Male suspension kit

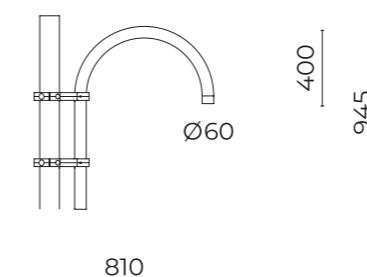
3/4" GAS



Ø48

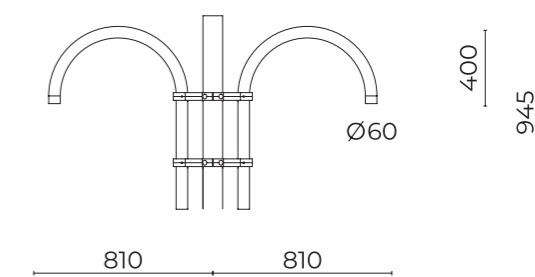
**01AK935C0**  
**B15 - Braccio pastorale per pali**  
Curved arm for poles

Ø102

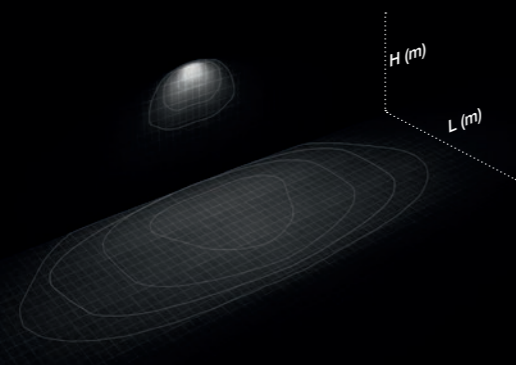


**01AK936C0**  
**B16 - Braccio pastorale doppio per pali**  
Double curved arm for poles

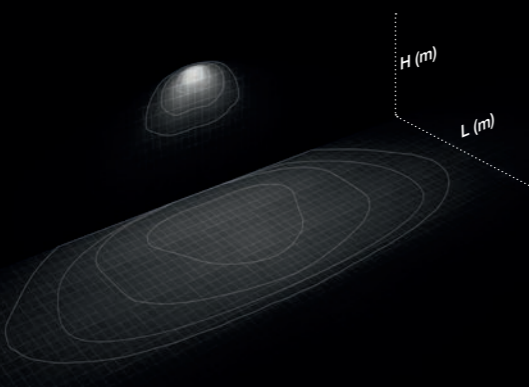
Ø102



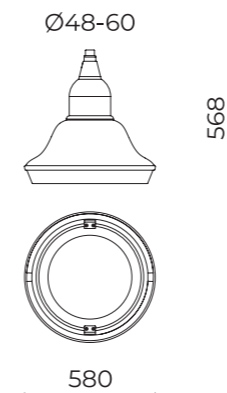
ME-01 Medium Street  
L / H = 1



LA-01 Wide Street  
L / H = 1,25



**Classic**  
Parete / Wall



**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installations:**  
parete / wall-mounted

**ACCESSORI / ACCESSORIES**

**01AK907CO**  
**L16 - Kit sospensione maschio**  
Male suspension kit

1"½ GAS



Ø48

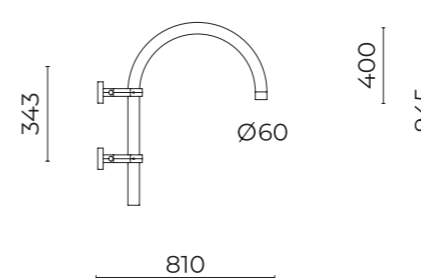
**01AK914CO**  
**L17 - Kit sospensione maschio**  
Male suspension kit

¾" GAS



Ø48

**01AK950CO**  
**B15-P - Braccio pastorale a parete**  
Curved arm for wall



Classic

BUCHAREST  
Romania



SAN FELICE CIRCEO  
Italy



# MÂT BALANCIER

MÂT BALANCIER è un originale sistema d'arredo urbano disegnato dall'architetto e lighting designer François Migeon.

MÂT BALANCIER is an original urban lighting system designed by the architect and lighting designer François Migeon.





220 240V	50 60Hz	CL II	IP66	IK06	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1785 - 13230 lm

**Potenza apparecchio / Fitting power:**  
13,5 - 103,5 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 4

**Illuminazione intelligente / Smart Lighting:**  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless  
virtual midnight. On request ZHAGA, DALI, CLO, PLC,  
wireless telemanagement

#### MATERIALI / MATERIALS

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Palo / Pole:**  
in acciaio a sezione circolare / round steel pole

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 3000 K
- 4000 K

#### COLORI / COLOURS

- SABLÉ 100 NOIR

#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
140 kg

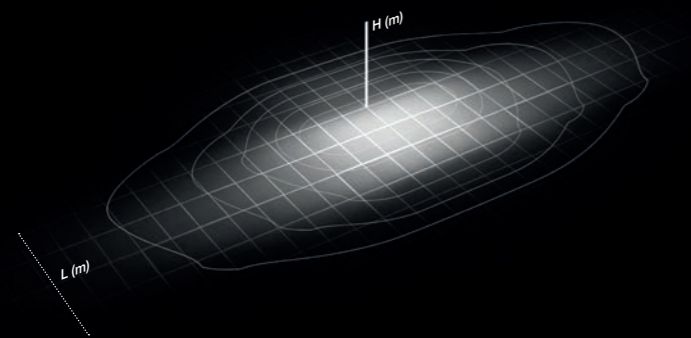
**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

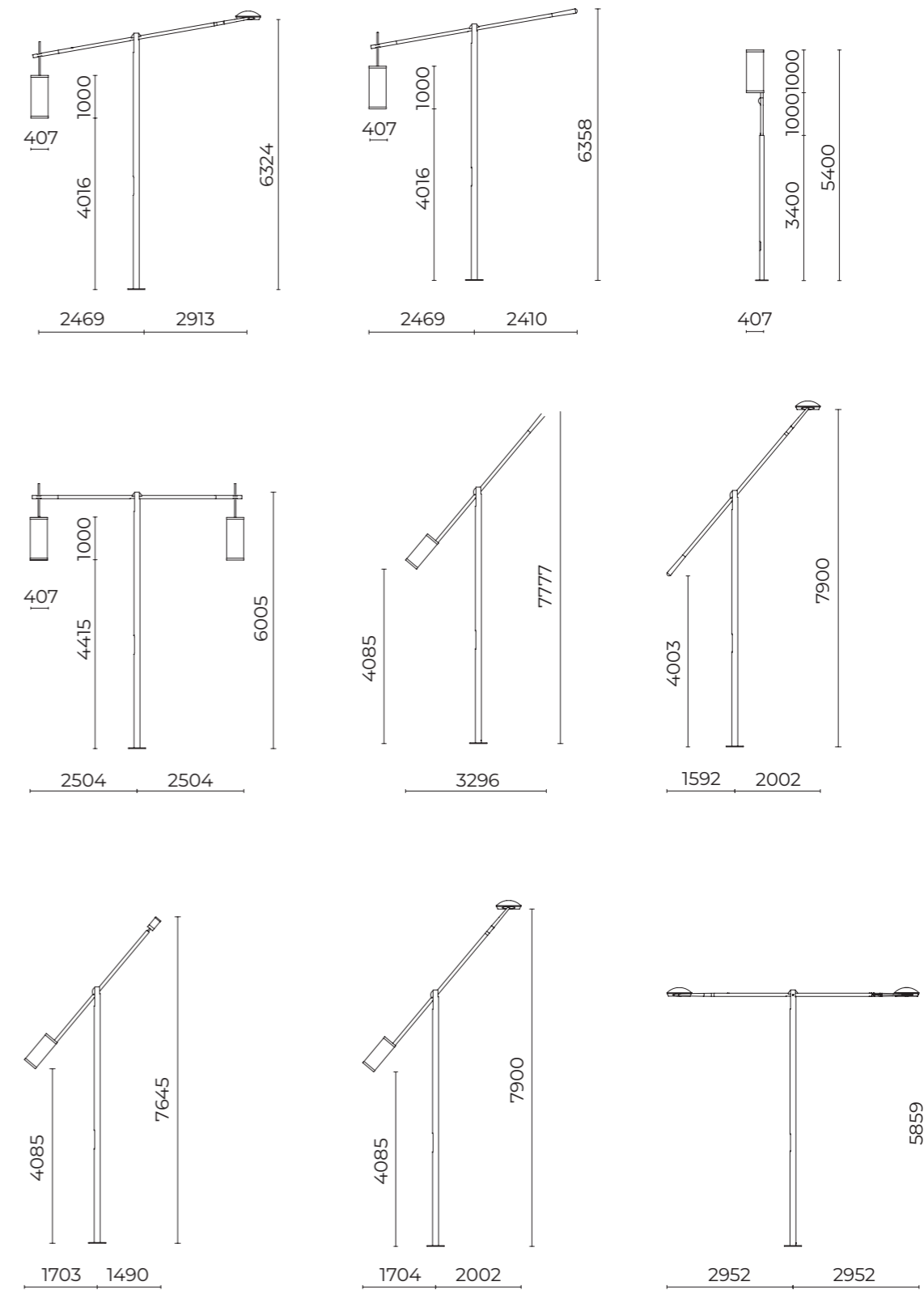
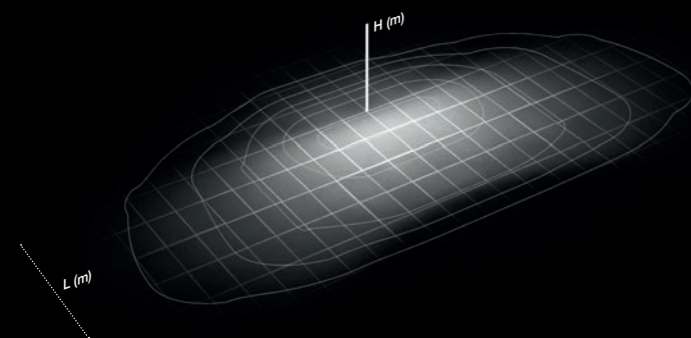
**Installazione / Installation:**  
lato palo / pole side



ST-01 Narrow Street  
L / H = 0,75



LA-01 Wide Street  
L / H = 1,25





# KOINÈ



Gamma di armature stradali particolarmente efficiente, adatta per l'illuminazione di grandi aree, percorsi pedonali, strade urbane ed extra-urbane.

Range of highly performing street lighting, suitable for lighting of wide area, pathways, urban and extra-urban streets.



## DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
1355 (1800 K) - 23180 lm

**Potenza apparecchio** / Fitting power:  
12 - 155 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale, ZHAGA. Su richiesta DALI, CLO,  
telegestione wireless / virtual midnight and ZHAGA. On  
request DALI, CLO, wireless telemanagement

## MATERIALI / MATERIALS

**Corpo e codolo** / Body and fastening part:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

## TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

## ECO-CENTRIC LIGHTING (ECL)

(ONLY FOR STREET OPTICS)

**BLUE FREE LIGHT:**  
PC-AMBER 0,7%  $\sum R$  ( $\lambda < 500\text{NM}$ ) – CRI 40  
1800 K 4,3%  $\sum R$  ( $\lambda < 500\text{NM}$ ) – CRI 70

**SWITCHABLE WHITE LIGHT:**  
1800K / 3000K

## COLORI / COLOURS

- RAL9006



## CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
3.2 kg (x-small), 4.2 (small), 6.2 kg (medium)

**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

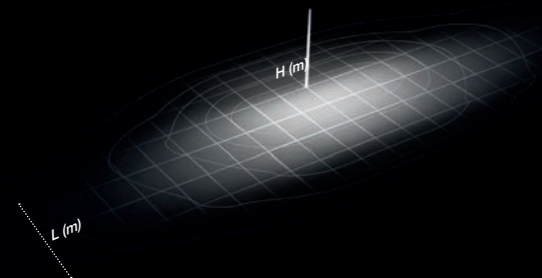
**Resistenza sovratensioni** / Surge Protection Device:  
10 kV MC/MD

**Accesso vano cablaggio** / Wiring compartment opening:  
senza utensili / without tools

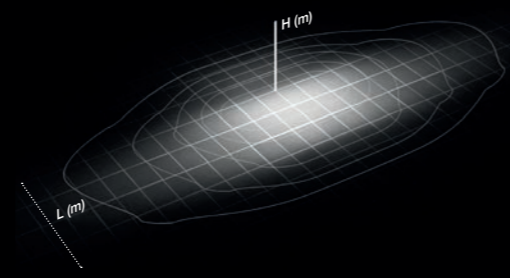
**Installazione** / Installation:  
palo, braccio / pole, arm

OTTICHE / OPTICS

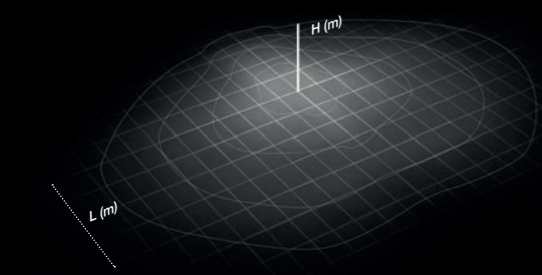
LT-C1 Cycle Path  
L / H = 0,5



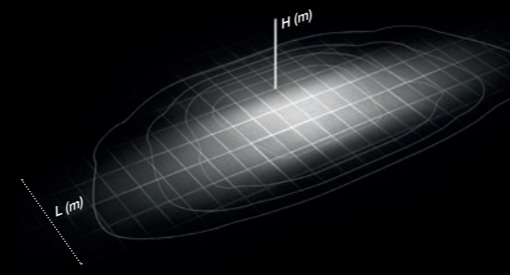
ST-02 Narrow Street  
L / H = 0,75



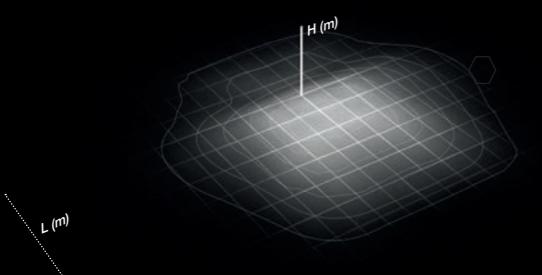
PB-01 Low Pole  
L / H = 2



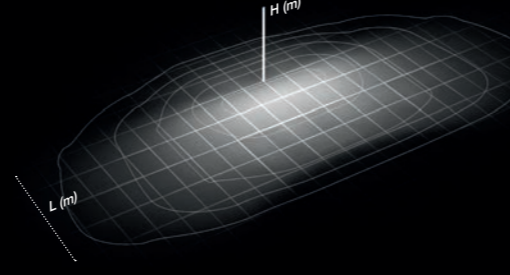
ME-05 Medium Street  
L / H = 1



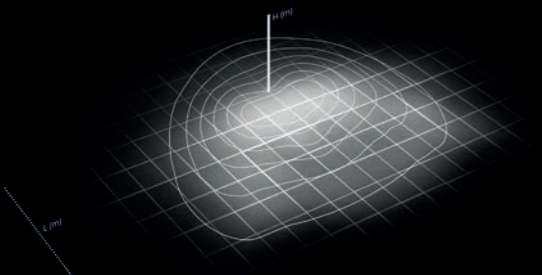
LT-63 Asymmetric Beam  
L / H = 2



LA-03 Wide Street  
L / H = 1,25



LT-64 Asymmetric Beam with backlight  
L/H = 2



ECL

ECL

ECL

ECL

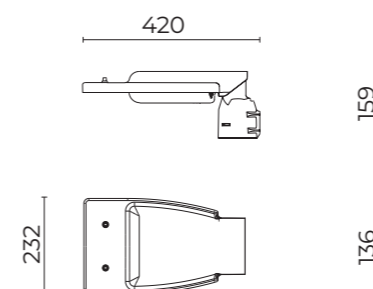
Koinè  
Palo / Pole

DATI TECNICI / TECHNICAL DATA

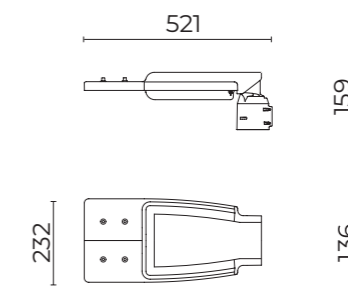
**Installazione / Installation:**  
pali Ø 46 - 60 - 76 mm  
poles Ø 46 - 60 - 76 mm

**Inclinazione / Inclination:**  
0° ÷ 90° (con passo 5°)  
0° ÷ 90° (step 5°)

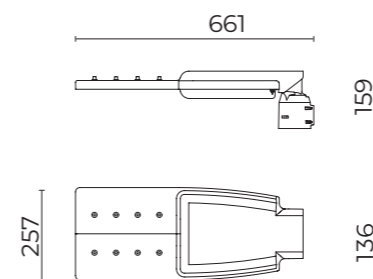
X-SMALL



SMALL

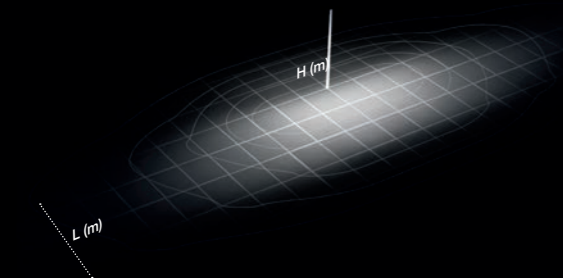


MEDIUM

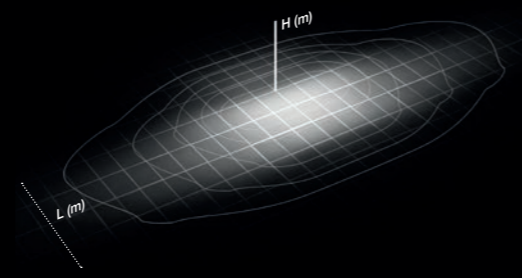


OTTICHE / OPTICS

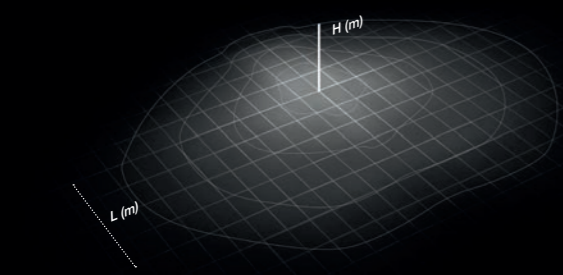
LT-C1 Cycle Path  
L / H = 0,5



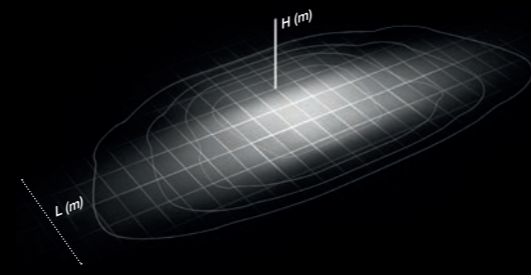
ST-02 Narrow Street  
L / H = 0,75



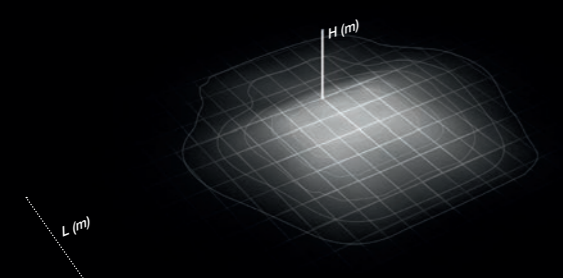
PB-01 Low Pole  
L / H = 2



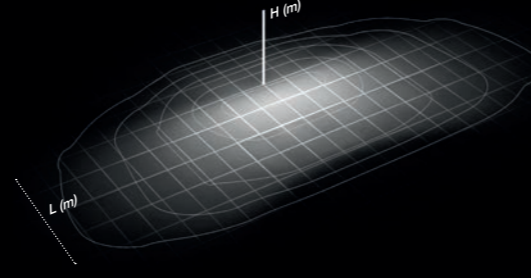
ME-05 Medium Street  
L / H = 1



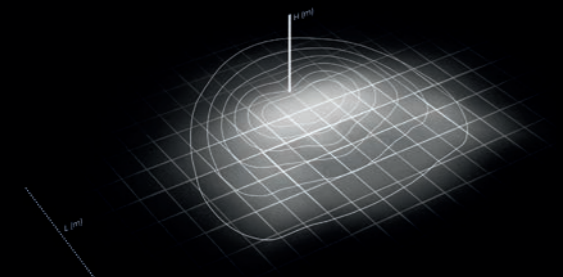
LT-63 Asymmetric Beam  
L / H = 2



LA-03 Wide Street  
L / H = 1,25



LT-64 Asymmetric Beam with backlight  
L/H = 2



ECL

ECL

ECL

ECL

Koinè

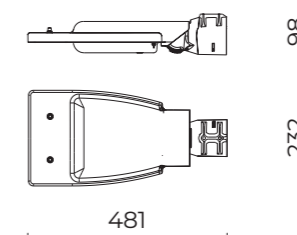
Braccio - Parete / Arm - Wall

DATI TECNICI / TECHNICAL DATA

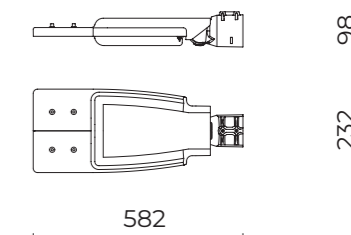
Installazione / Installation:  
bracci Ø 46 - 60 - 76 mm  
arms Ø 46 - 60 - 76 mm

Inclinazione / Inclination:  
0° ÷ -90° (con passo 5°)  
0° ÷ -90° (step 5°)

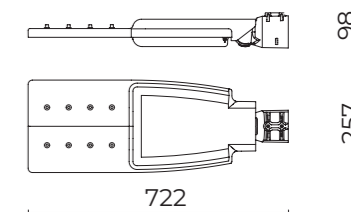
X-SMALL



SMALL

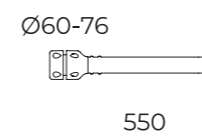


MEDIUM

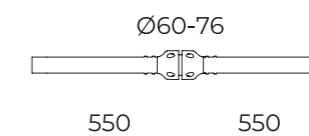


BRACCI / ARMS

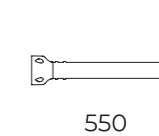
01AK921A0 - RAL9006  
B1 - Braccio per pali  
Arm for poles



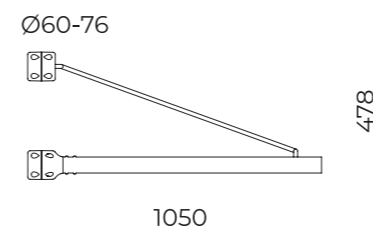
01AK922A0 - RAL9006  
B2 - Braccio doppio per pali  
Double arm for poles



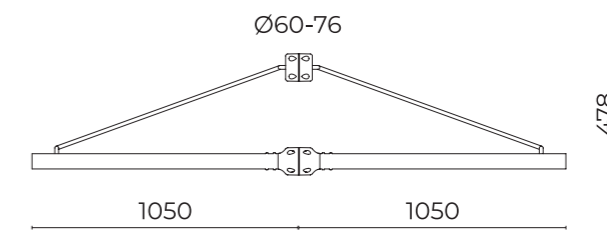
01AK951A0 - RAL9006  
B1-P - Braccio parete  
Arm for wall



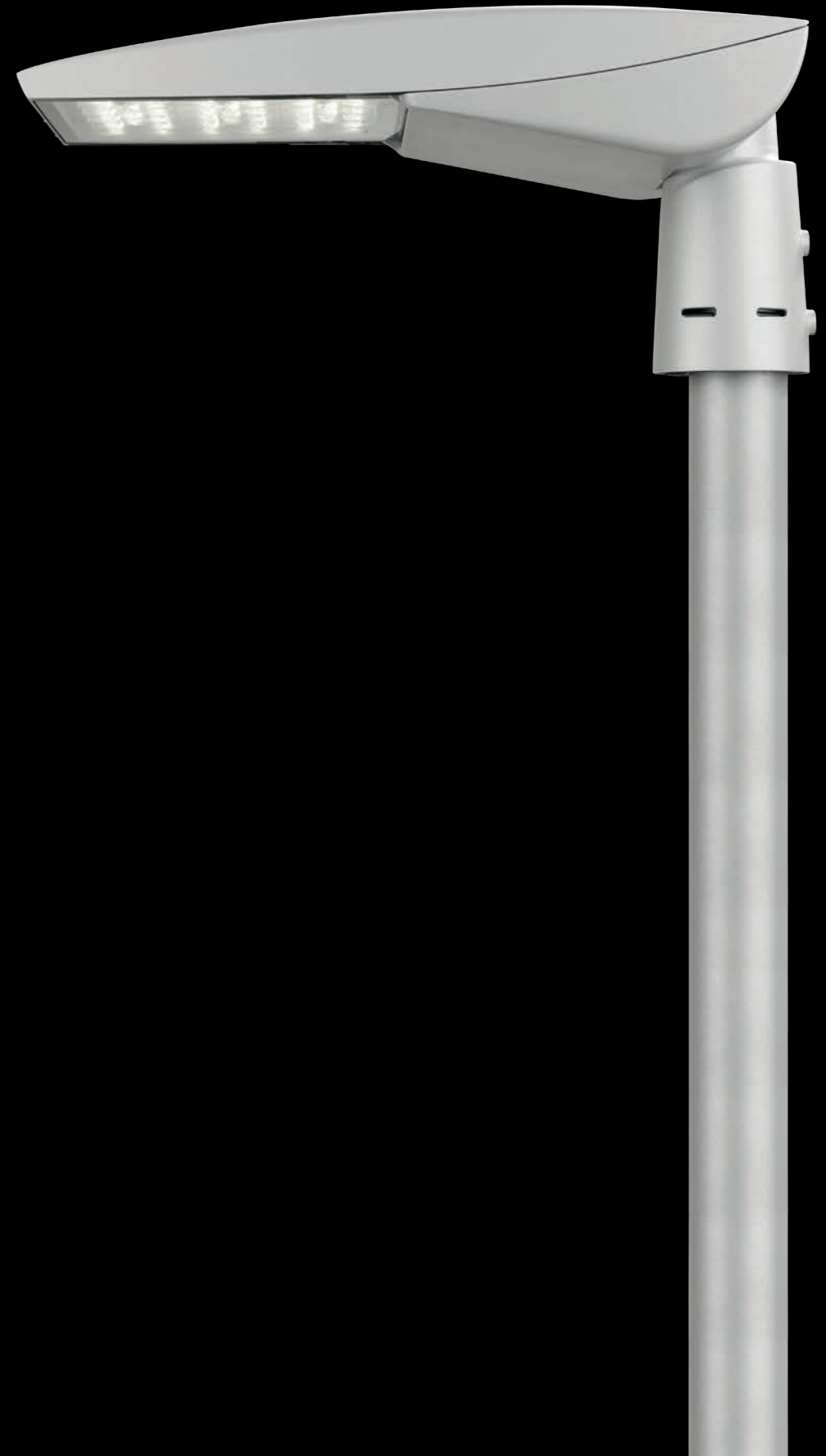
01AK969A0 - RAL9006  
B74 - Braccio con tirante per pali  
Arm with tensioning rod for poles



01AK968A0 - RAL9006  
B59 - Braccio doppio con tirante per pali  
Double arm with tensioning rod for poles



# KAI



Gamma di armature stradali altamente performante sia in termini di qualità della distribuzione luminosa che di efficienza energetica.

Range of highly performing street lighting both in terms of quality of light distribution and energy efficiency.

220 240V	50 60Hz	CL II	IP66	IK08	ta -30°C +50°C
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#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio / Fitting flux:**  
1885 - 20830 lm

**Potenza apparecchio / Fitting power:**  
13,5 - 154 W

**Indice di resa cromatica / Colour Rendering Index:**  
CRI ≥ 70, SDCM ≤ 4

**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless / virtual midnight. On request  
ZHAGA, DALI, CLO, PLC, wireless telemanagement

#### MATERIALI / MATERIALS

**Corpo e codolo / Body and fastening part:**  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2200 K
- 3000 K
- 4000 K

#### COLORI / COLOURS

- RAL9006



#### CARATTERISTICHE / FEATURES

**Peso massimo / Max weight:**  
6,5 kg (small), 7,5 kg (small x), 11 kg (medium)

**Alimentazione elettronica / Electronic power supply:**  
inclusa / included

**Resistenza sovratensioni / Surge Protection Device:**  
10 kV MC/MD

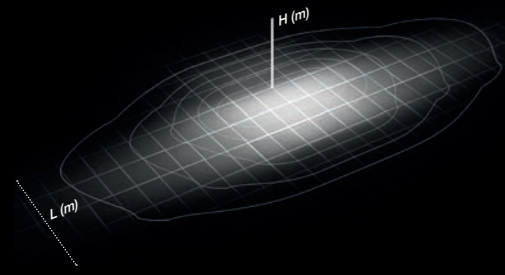
**Apertura vano cablaggio / Wiring compartment opening:**  
senza utensili / without tools

**Installazione / Installation:**  
palo, braccio / pole, arm

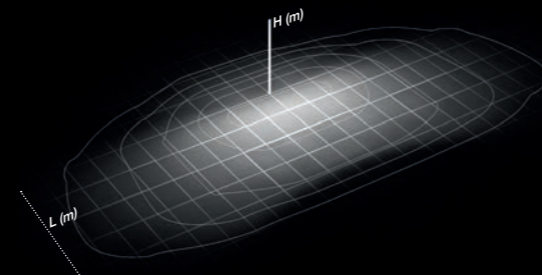


OTTICHE / OPTICS

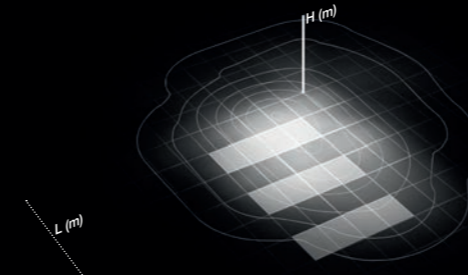
ST-01 Narrow Street  
 $L / H = 0,75$



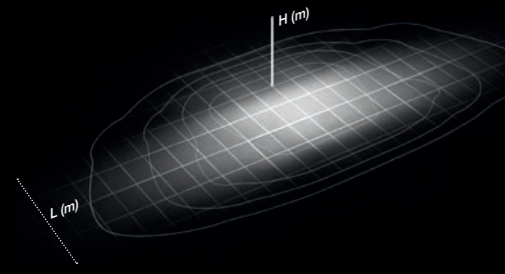
LA-01 Wide Street  
 $L / H = 1,25$



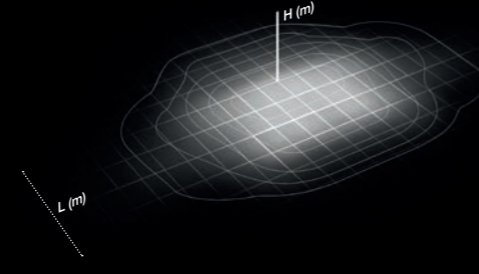
AP-01 DX Pedestrian Crossing



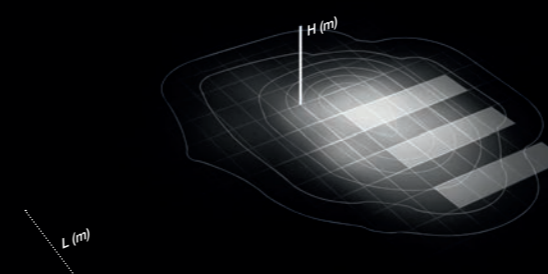
ME-01 Medium Street  
 $L / H = 1$



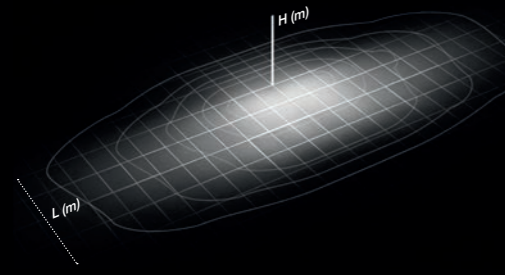
LT-05 Asymmetric Beam  
 $L / H = 1,5$



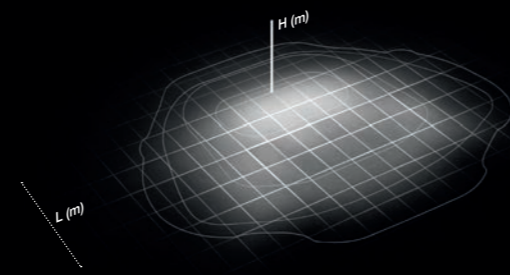
AP-01 SX Pedestrian Crossing



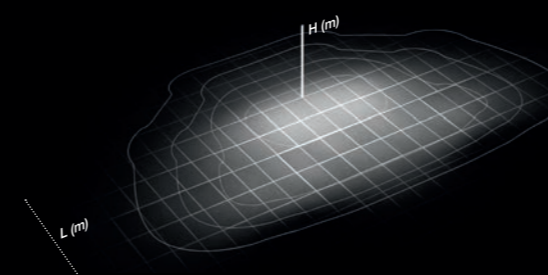
ME-02 Medium Street  
 $L / H = 1,1$



LT-06 Asymmetric Beam  
 $L / H = 2$



MB-01 Wet Road



**Kai**

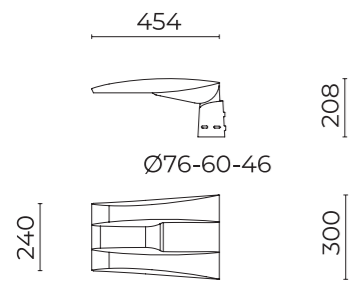
Palo / Pole

**DATI TECNICI / TECHNICAL DATA**

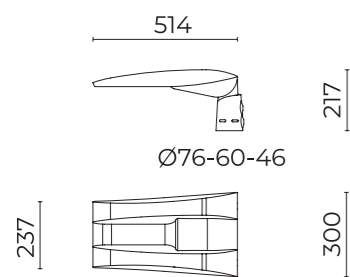
**Installazione / Installation:**  
pali Ø 46 - 60 - 76 mm  
poles Ø 46 - 60 - 76 mm

**Inclinazione / Inclination:**  
0° ÷ 20° (con passo 5°)  
0° ÷ 20° (step 5°)

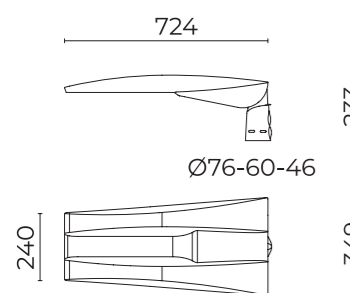
**SMALL**



**SMALL X**



**MEDIUM**



**Kai**

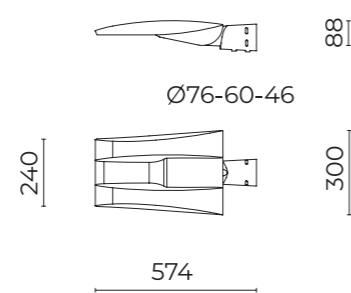
Braccio, Parete / Arm, Wall

**DATI TECNICI / TECHNICAL DATA**

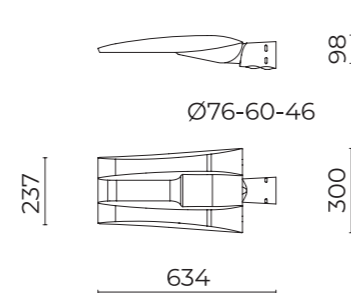
**Installazione / Installation:**  
bracci Ø 46 - 60 - 76 mm  
arms Ø 46 - 60 - 76 mm

**Inclinazione / Inclination:**  
0° ÷ -20° (con passo 5°)  
0° ÷ -20° (step 5°)

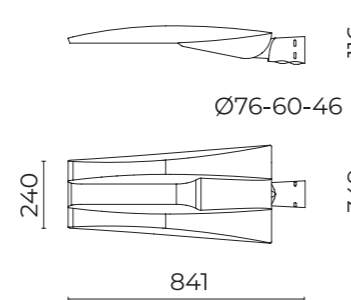
**SMALL**



**SMALL X**



**MEDIUM**

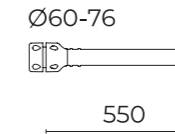


**Kai**

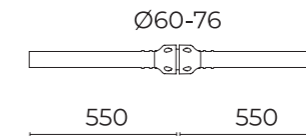
Braccio, Parete / Arm, Wall

**BRACCI / ARMS**

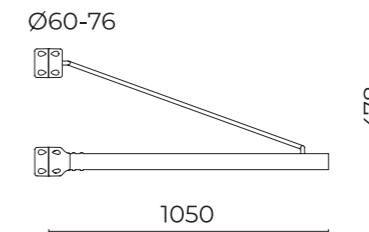
**01AK921A0 - RAL 9006**  
**B1 - Braccio per pali**  
Arm for poles



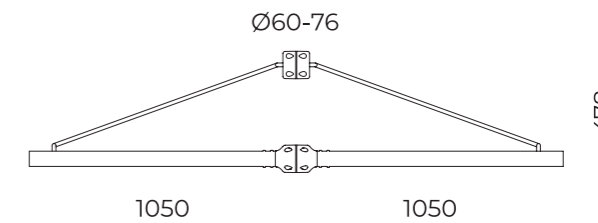
**01AK922A0 - RAL 9006**  
**B2 - Braccio doppio per pali**  
Double arm for poles



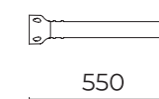
**01AK969A0 - RAL 9006**  
**B74 - Braccio con tirante per pali**  
Arm with tensioning rod for poles



**01AK968A0 - RAL 9006**  
**B59 - Braccio doppio con tirante per pali / Double arm with tensioning rod for poles**



**01AK951A0 - RAL 9006**  
**B1-P - Braccio parete**  
Arm for wall





# KAIROS



Gamma di armature stradali particolarmente performanti, adatta per l'illuminazione di spazi, percorsi urbani ed extra urbani.

Range of highly performing street lighting, suitable for lighting of spaces, urban and extra-urban streets.



#### DATI PRESTAZIONALI / PERFORMANCE DATA

**Flusso apparecchio** / Fitting flux:  
1520 - 29000 lm

**Potenza apparecchio** / Fitting power:  
12 - 210 W

**Indice di resa cromatica** / Colour Rendering Index:  
CRI ≥ 70, SDCM ≤ 3

**Illuminazione intelligente** / Smart lighting:  
mezzanotte virtuale. Su richiesta ZHAGA, DALI, CLO, PLC,  
telegestione wireless / virtual midnight. On request  
ZHAGA, DALI, CLO, PLC, wireless telemanagement

#### TEMPERATURA COLORE COLOUR TEMPERATURE

- 2700 K
- 3000 K
- 4000 K

#### MATERIALI / MATERIALS

**Corpo e codolo** / Body and fastening part:  
pressofusione di lega d'alluminio UNI EN AB 47100  
(contenuto rame < 1%) / die-cast aluminum alloy UNI EN  
AB 47100 (copper content < 1%)

**Schermo** / Screen:  
vetro piano temprato / tempered flat glass

**Gruppo ottico** / Optical unit:  
lenti PMMA ad alta trasparenza  
high-transparency PMMA lenses

**Finitura** / Finish:  
fosfocromatazione e verniciatura in polveri di poliestere  
realizzata in 16 fasi per la miglior resistenza agli  
agenti atmosferici / phospho-chromatation treated  
and polyester powder-coated in 16 phases to increase  
weather resistance

#### COLORI / COLOURS

- RAL9006



#### CARATTERISTICHE / FEATURES

**Peso massimo** / Max weight:  
6,5 kg (small), 8,5 kg (medium)

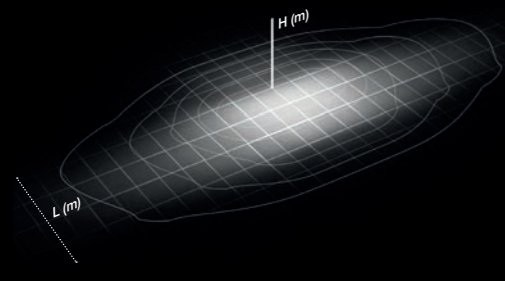
**Alimentazione elettronica** / Electronic power supply:  
inclusa / included

**Resistenza sovratensioni** / Surge Protection Device:  
10 kV MC/MD

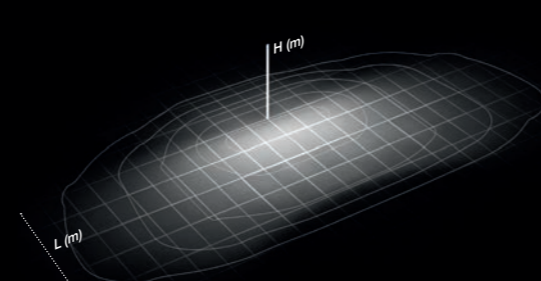
**Installazione** / Installation:  
palo, braccio / pole, arm



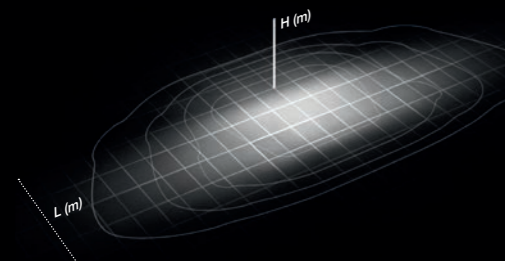
ST-02 Narrow Street  
L / H = 0,75



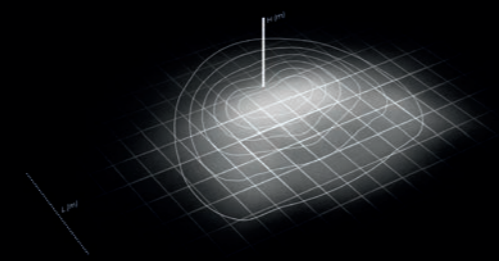
LA-03 Wide Street  
L / H = 1,25



ME-05 Medium Street  
L / H = 1



LT-64 Asymmetric Beam with backlight  
L/H = 2



## Kairos

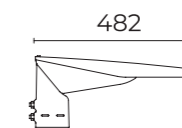
Palo - Braccio / Pole - Arm

### DATI TECNICI / TECHNICAL DATA

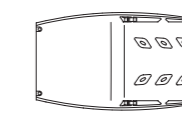
**Installazione / Installation:**  
pali Ø 46 - 60 - 76 mm  
poles Ø 46 - 60 - 76 mm

**Inclinazione / Inclination:**  
0° + 20° (con passo 5°)  
0° + 20° (step 5°)

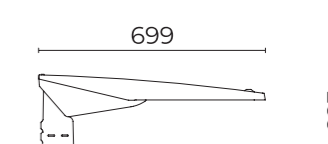
#### SMALL



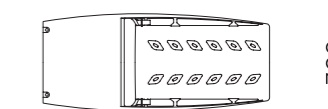
Ø46-60-76



#### MEDIUM



Ø46-60-76

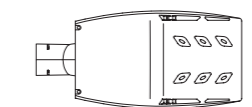


### Braccio Parete / Arm wall

**Inclinazione / Inclination:**  
0° + 20° (con passo 5°)  
0° + 20° (step 5°)

#### SMALL

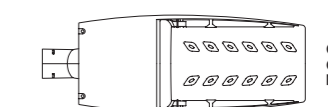
Ø46-60-76



589

#### MEDIUM

Ø46-60-76

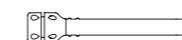


801

### BRACCI / ARMS

**01AK921AO - RAL9006**  
**B1 - Braccio per pali**  
Arm for poles

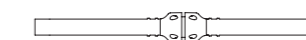
Ø60-76



550

**01AK922AO - RAL9006**  
**B2 - Braccio doppio per pali**  
Double arm for poles

Ø60-76



550 550

**01AK951AO - RAL9006**  
**B1-P - Braccio parete**  
Arm for wall



550

# NEWTON 2.0



NEWTON 2.0 é una gamma completa di proiettori altamente performanti. Disponibile in quattro taglie x-small, small, medium e large, il sistema offre un range di flussi ed una combinazione di ottiche che lo rende adatto per l'illuminazione di impianti sportivi, grandi aree esterne ed aree perimetrali.

NEWTON 2.0 is a complete range of high-performance floodlights. Available in four sizes x-small, small, medium e large, the system offers a range of fluxes and a combination of optics that makes it suitable for lighting sports facilities, large outdoor areas and perimeter areas.



MILAN  
Italy

Cariboni Group

GENOA  
Italy



220-240V	50 60Hz	CL II	CL I*	IP66	IK09	ta -30°C +50°C
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(\*) Le versioni large alla massima potenza sono disponibili in CL I  
Large versions at maximum power are in CL I

**DATI PRESTAZIONALI / PERFORMANCE DATA**

**Flusso apparecchio / Fitting flux:**  
1670 - 64050 lm

**Potenza apparecchio / Fitting power:**  
12 - 498 W

**Indice di resa cromatica / Colour Rendering Index:**  
≥ 70, SDCM ≤ 3

**Illuminazione intelligente / Smart lighting:**  
mezzanotte virtuale, DALI e opzione emergenza (standard nella versione large). Su richiesta DALI (versioni x-small, small e medium), ZHAGA, CLO / virtual midnight, DALI and emergency options (standard large version). On request DALI (x-small, small e medium versions), ZHAGA, CLO

**MATERIALI / MATERIALS**

**Corpo e sistemi di fissaggio / Body and fitting system:**  
pressofusione di lega d'alluminio UNI EN AB 47100 (contenuto rame < 1%) / die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)

**Schermo / Screen:**  
vetro piano temprato / tempered flat glass

**Gruppo ottico / Optical unit:**  
lenti PMMA ad alta trasparenza  
PMMA high transparent lenses

**Finitura / Finish:**  
fosfocromatazione e verniciatura in polveri di poliestere realizzata in 16 fasi per la miglior resistenza agli agenti atmosferici / phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

**Sistema di fissaggio / Fastening system:**  
staffa orientabile in acciaio verniciato (x-small, small, medium), staffa in acciaio INOX AISI 304 (large) / painted steel adjustable bracket (x-small, small, medium), stainless steel AISI 304 bracket (large)

**TEMPERATURA COLORE / COLOUR TEMPERATURE**

- 3000 K
- 4000 K

**COLORE / COLOUR**

- RAL9006



**CARATTERISTICHE / FEATURES**

**Peso massimo / Max weight:**  
4 kg (x-small), 6,8 kg (small), 9,8 kg (medium), 14 kg (large)

**Alimentazione elettronica / Electronic power supply:**  
inclusa, disponibili versioni large con cablaggio remoto included, available large version with remote driver

**Predisposizione valvola GORE® nelle versioni large per regolare la pressione interna in ambienti ostili / Predisposition to GORE® valve in large versions to regulate internal pressure in hostile environments**

**Installazione / Installation:**  
parete, soffitto, palo / wall, ceiling, pole  
predisposizione entra-esci / predisposition IN-OUT

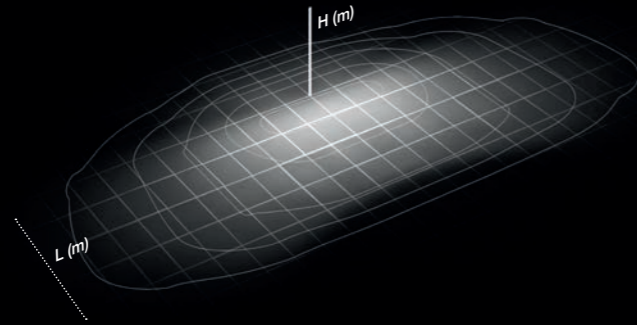
**Orientabilità / Adjustability:**  
**-90° ÷ +90° in regolazione continua / -90° ÷ +90° continuously**

**Resistenza alle pallonate / Safety against ball throwing:**  
**le varianti Newton 2.0 medium e large hanno superato il test di resistenza alle pallonate secondo la Norma DIN 18032-3 / the Newton 2.0 medium and large variants have passed the ball throwing test according to DIN 18032-3**

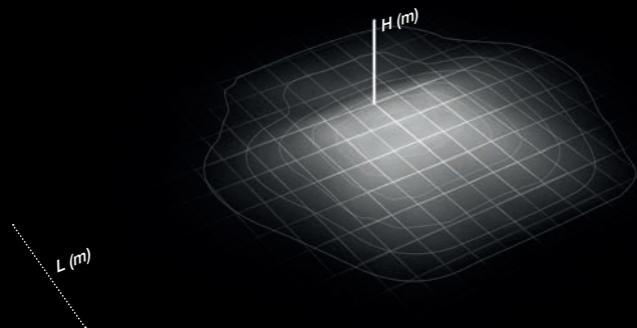


OTTICHE / OPTICS

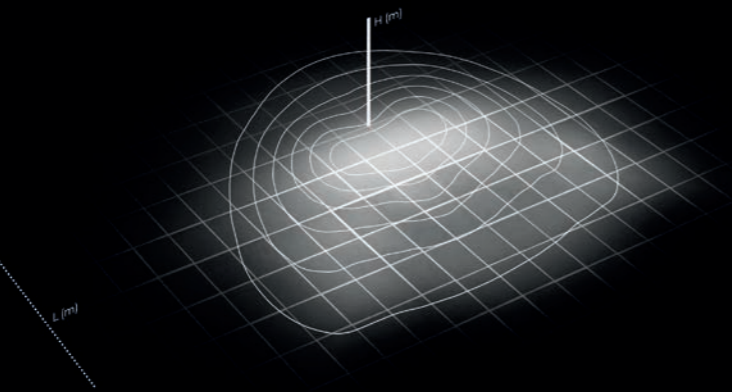
LA-03 Wide street  
L / H = 1,25



LT-63 Asymmetric beam  
L / H = 2



LT-64 Asymmetric beam with backlight  
L / H = 2



Newton 2.0

Newton 2.0  
x-small



Newton 2.0  
small



Newton 2.0  
medium



Newton 2.0  
large



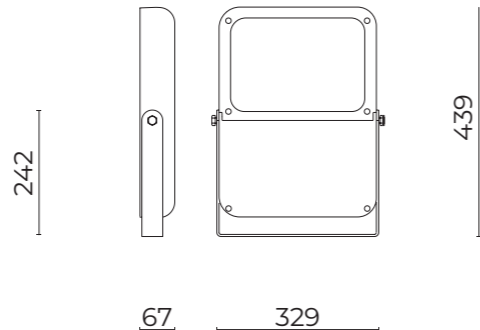
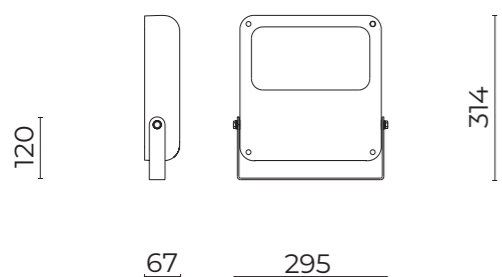
**Newton 2.0**

parete, soffitto, palo / wall, ceiling, pole



**XSMALL**

**SMALL**



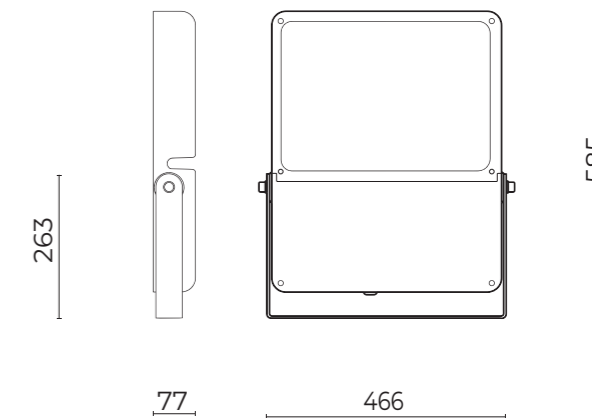
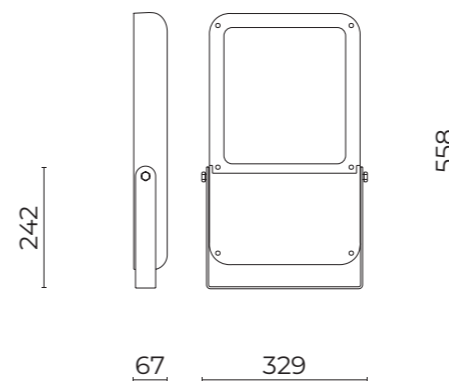
**Newton 2.0**

parete, soffitto, palo / wall, ceiling, pole



**MEDIUM**

**LARGE**



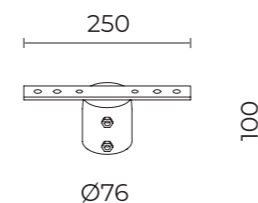
**DATI TECNICI / TECHNICAL DATA**

**Installazione / Installation:**  
parete, soffitto, palo / wall, ceiling, pole

**Orientabilità / Orientability:**  
staffa orientabile in regolazione continua -90° + 90°  
continuously adjustable bracket -90° + 90°

**ACCESSORI / ACCESSORIES**

**06NW902C0**  
**L14 - Kit testa palo per pali**  
Post top kit for poles  
(Newton 2.0 small e medium)









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