



Metronomis LED – a play of light and shadow

Metronomis LED Sharp

Metronomis LED is the first post-top range in the world to offer a palette of environmental lighting effects to give projects a unique contextual or aesthetic touch. An innovative play of reflection, light and shadow creates an environmental pattern on the ground or on the bowl to create additional ambience. Four new iconic designs – with a visual and modular link to Metronomis I – are reduced to the essential elements. During the day, the discreet, transparent design blends into its context, be it contemporary or classical, while its night-time appearance is both functional and decorative. The flexible, modular Metronomis LED comes with a range of columns and a wide variety of optics and effects, enabling architects and lighting designers to create a unified, consistent lighting design that still reflects the differences in urban culture and history.

Benefits

- Pure design and palette of lighting effects to make your city unique
- Offers exceptional visual comfort while also optimizing safety
- Complete and innovative lighting solution with a shared design identity for both mast and luminaire

Features

- A palette of lighting effects on the ground or on the inside or outside of the bowl makes it possible to create different atmospheres and to give streets and cityscapes a distinctive visual touch
- All the benefits of LEDGINE (high energy saving, serviceable and upgradable, maintains excellent light quality over lifetime, versatile in application)
- Five dedicated aluminum and wooden masts – heights of 3.5 and 4 meters – enhance the pure, simplified style of the luminaires

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Application

- City centers and squares
- Commercial and business centers
- Residential and architectural areas

Specifications

Type	BDS660
Light source	Build-in LED-module
Power (+/-10%)	16 up to 130 W
Luminous flux	GreenLine: 1400 up to 7100 lm Economyline: 2250 up to 10650 lm
Luminaire efficacy	Up to 90 lm/W (3000 K, Warm White) Up to 105 lm/W (4000 K, Neutral White)
Correlated Color Temperature	3000 or 4000 K

Color Rendering Index	80 (3000 K, Warm White) 70 (4000 K, Neutral White)
Maintenance of lumen output - L80F10	GreenLine: 100,000 hours EconomyLine: 70,000 hours
Operating temperature range	-20 to +35 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz
Inrush current	108 A at 140 µs

Specifications

Dimming	LumiStep: 6 and 8 hours DynaDimmer SDU External dimming 1-10 V StarSense RF
Controls system input	1-10 V
Options	Possibility to create dynamic light effects inside the bowl. Three different effects available: diamond appearances, waves and circles. Possibility to create personalized patterns on the ground; four different patterns available.
Optic	Metronomis Distribution Medium (MDM), Wide (MDW), Asymmetrical (MDA), Symmetrical (MDS) and Vertical (MDV)
Optical element	Diffusing plate, prismatic plates (Circular, Lines, Diamond)
Optical cover	Polycarbonate bowl, transparent

Material	Housing: high-pressure aluminum Optical cover: polycarbonate, reinforced against UV
Color	Ultra-dark grey Topaze and light grey Other RAL colors available on request
Connection	Wieland connector 3-pole mains (and 2-pole control signal)
Maintenance	One tool to open the luminaire for all maintenance activities (Standard Philips head screws) To open the top: six screws in order to change patterns and optics To open the gear tray: two screws and tool-less connectors
Installation	Dedicated range of masts Post top Ø 60 and 76 mm Recommended mounting height: 3.5-4 m Max SCx: 0.2129 m

Versions



BDS660

Metronomis LED Sharp

Product details



Dedicated black frame for projection on the ground



Decorative mirror effect for increased comfort



Dynamic effect creating mysterious waves inside the bowl



Dynamic effect creating mysterious blinking lights inside the bowl



Dynamic effect creating a mysterious pattern of circles inside the bowl



The Washlight is available in three colors: blue, warm white and neutral white



The Washlight creates a grazing effect on the bowl



Dedicated mast with integrated LED module; signature glowing secondary light illuminates the mast over one third of its length

Metronomis LED Sharp

Product details



Dedicated mast with complete mast/luminaire interface in wood; the gentle linear light on the mast highlights the material and the techniques used to craft it



Dedicated mast with partial mast/luminaire interface in wood; the gentle linear light on the mast highlights the material and the techniques used to craft it



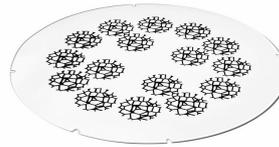
Dedicated mast with complete fusion of mast and luminaire: the mast blends seamlessly into the luminaire housing



The MetroRiginal links the old and the new Metronomis ranges. The transition from mast to luminaire is seamless, while top/bottom symmetry ensures visual coherence.



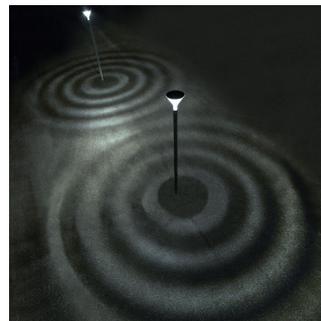
Unique, innovative lighting effect of circles on the ground, creating a modern look



Unique, innovative lighting pattern on the ground, creating an autumnal look



Unique, innovative lighting effect, creating a star-shaped pattern



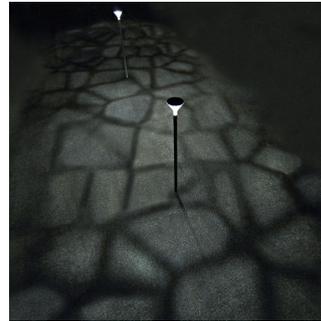
Unique, innovative lighting effect of circles on the ground, creating a modern look

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Product details



Unique, innovative lighting effect, creating a star-shaped pattern



Unique, innovative lighting pattern on the ground, creating an autumnal look

Application Conditions

Maximum dim level 0% (digital)

Approval and Application

Mech. impact protection code IK10
Surge Protection (Common/Differential) Philips standard surge protection level kV

Controls and Dimming

Dimmable Yes

General Information

CE mark CE mark
Coating -
Light source colour 740 neutral white
Optical cover/lens type PC
Driver included Yes
Flammability mark NO
Light source replaceable Yes
Lamp version 2S
Number of gear units 1 unit
Product Family Code BDS660

Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature 4000 K
Init. Colour Rendering Index >70

Light Technical

Standard tilt angle side entry -
Standard tilt angle posttop -
Upward light output ratio 5

Mechanical and Housing

Colour Gray

General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Glow-wire test	Lamp family code	Number of light sources
88466800	BDS660 GRN40-3S/740 PSR-CLO I MDV DF D9	60° x 50°	650/5	GRN40	1
34756000	BDS660 GRN15-3S/740 PSR I MDM D9 60	48° x 66°	-	GRN15	-
34757700	BDS660 GRN80-3S/740 PSR I MDM D9 60	48° x 66°	-	GRN80	-

General Information (2/2)

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Order Code	Full Product Name	Optic type	Optical element
88466800	BDS660 GRN40-3S/740 PSR-CLO I MDV DF D9	Metronomis distribution vertical	DF
34756000	BDS660 GRN15-3S/740 PSR I MDM D9 60	Metronomis distribution medium	No

Order Code	Full Product Name	Optic type	Optical element
34757700	BDS660 GRN80-3S/740 PSR I MDM D9 60	Metronomis distribution medium	No

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
88466800	BDS660 GRN40-3S/740 PSR-CLO I MDV DF D9	3486 lm
34756000	BDS660 GRN15-3S/740 PSR I MDM D9 60	1603 lm

Order Code	Full Product Name	Initial luminous flux
34757700	BDS660 GRN80-3S/740 PSR I MDM D9 60	8554 lm

Light Technical

Order Code	Full Product Name	Std. deviation colour matching
88466800	BDS660 GRN40-3S/740 PSR-CLO I MDV DF D9	5
34756000	BDS660 GRN15-3S/740 PSR I MDM D9 60	-

Order Code	Full Product Name	Std. deviation colour matching
34757700	BDS660 GRN80-3S/740 PSR I MDM D9 60	-

