



Metronomis LED – a play of light and shadow

Metronomis LED Torch

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	BDS650 (version without hat)
	BDS651 (version with hat)
Light source	Build-in LED-module
Power (+/-10%)	15 up to 75 W
Luminous flux	GreenLine: 1350 up to 4300 lm
	Economyline: 2200 up to 6100 lm
Luminaire efficacy	Up to 90 lm/W (3000 K, Warm White)
	Up to 100 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
Controls system input	1-10 V
Options	Different diffusing covers available: simple diffusing tube and a holographic tube that creates a dynamic play of light inside the bowl
	Bowl with a full light blocking layer to control the light in residential areas
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, transparant
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: four 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: 0.1991 m (BDS650), 0.2016 m

Versions



Metronomis LED Torch BDS650
urban-lighting luminaire



Metronomis LED Torch BDS651
urban-lighting luminaire

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Application Conditions

Maximum dim level	0% (digital)
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Approval and Application

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

Controls and Dimming

Dimmable	Yes
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General Information

Luminaire light beam spread	17°
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
Optic type	Metronomis distribution symmetrical
Optical element	No

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
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General Information

Order Code	Full Product Name	Glow-wire test	Lamp family code	Number of light sources	Product Family Code
34752200	BDS650 GRN15-3S/740 PSR I MDS D9 60	650/5	GRN15	1	BDS650
34753900	BDS650 GRN50-3S/740 PSR I MDS D9 60	650/5	GRN50	1	BDS650
34754600	BDS651 GRN15-3S/740 PSR I MDS D9 60	-	GRN15	-	BDS651
34755300	BDS651 GRN50-3S/740 PSR I MDS D9 60	-	GRN50	-	BDS651

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux	Order Code	Full Product Name	Initial luminous flux
34752200	BDS650 GRN15-3S/740 PSR I MDS D9 60	1603 lm	34754600	BDS651 GRN15-3S/740 PSR I MDS D9 60	1603 lm
34753900	BDS650 GRN50-3S/740 PSR I MDS D9 60	5197 lm	34755300	BDS651 GRN50-3S/740 PSR I MDS D9 60	5197 lm

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