



# Philips Metronomis LED: a play of light and shadow

## Metronomis LED Torch

Philips Metronomis LED is the first post-top luminaire range in the world to offer a palette of lighting effects to give projects a unique contextual or aesthetic touch. An innovative play of reflection, light and shadow that casts a pattern on the ground, or in the bowl, to create additional ambience. Four iconic designs are available: Metronomis LED Torch (BDS650), Metronomis LED Torch with hat (BDS651), Metronomis LED Sharp (BDS660), and Metronomis LED Fluid (BDS670). Each luminaire design has a visual and modular link to Metronomis I, reduced to its essential elements. During the day, the discreet, transparent design blends into its urban context, whether that be contemporary or classical architecture and surroundings, while its night-time appearance is both functional and decorative. Flexible and modular, the Metronomis LED family comes with a range of columns and a wide variety of effects. This enables architects and lighting designers to create a unified, consistent lighting design across any cityscape, while still reflecting the differences in urban culture and history. Metronomis LED also offers all the benefits of LEDGINE. Energy saving, serviceable and upgradable, this luminaire range is designed to maintain excellent light quality over its lifetime.

### Benefits

- Create a unique city identity with a pure design and palette of lighting effects
- Complete and innovative solution with a shared design identity for mast and luminaires
- Exceptional visual comfort with multiple geometries to optimize safety
- Future-ready with a Zhaga-D4i system ready (SR) top socket to connect with Interact controls
- Service tag for easy installation and maintenance

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## Features

- Large choice of light effects (on ground, inside/outside bowl)
- 2D engraving option to personalize luminaires further
- Choice of color temperatures and color rendering for different ambiances: 2200K, 2700K, 3000K and 4000K
- Efficacy up to 157 lm/W
- Torch version with ULR <1%
- Lifetime up to 100,000 hours @L96 B10
- Five dedicated aluminum and wooden masts (3.5 and 4 meters)
- 5-year standard warranty (option to extend up to 10 years)

## Application

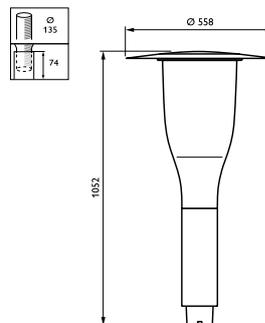
- City centers and squares
- Commercial and business centers
- Residential and architectural areas
- Cycle paths, footpaths

## Versions



OPPR BDS650i 0005

## Dimensional drawing



# Metronomis LED Torch

## Product details



OPDP\_BDS650i\_0023-Detail photo



OPDP\_BDS650i\_0025-Detail photo



OPDP\_BDS650i\_0027-Detail photo



OPDP\_BDS650i\_0029-Detail photo



OPDP\_BDS650i\_0031-Detail photo



OPDP\_BDS650i\_0033-Detail photo



OPDP\_BDS650i\_0035-Detail photo



OPDP\_BDS650i\_0037-Detail photo

# Metronomis LED Torch

## Product details



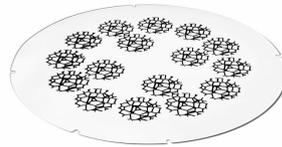
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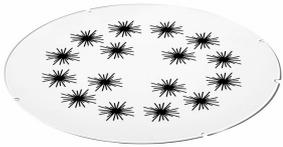
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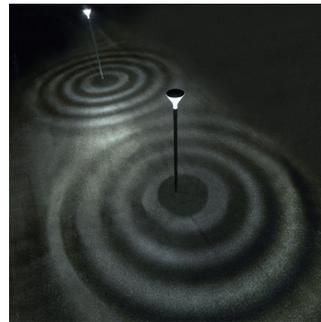
OPDP\_BDS650i\_0045-Detail  
photo



OPDP\_BDS650i\_0047-Detail  
photo



OPDP\_BDS650i\_0049-Detail  
photo



OPDP\_BDS650i\_0051-Detail  
photo



OPDP\_BDS650i\_0053-Detail  
photo



OPDP\_BDS650i\_0055-Detail  
photo

# Metronomis LED Torch

## General Information

CE mark	Yes
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit
Service tag	Yes

## Light Technical

Optical cover type	Polycarbonate bowl/cover
Standard tilt angle side entry	-
Standard tilt angle posttop	-

## Mechanical and Housing

Housing Color	Gray
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## Approval and Application

Mech. impact protection code	IK10
Ingress protection code	IP66
Surge Protection (Common/ Differential)	Surge protection level until 10 kV

## General Information

Order Code	Full Product Name	Lamp family code	Product family code
910925868147	BDS650 LED40-4S/740 I MDS D9 STD 76	LED40	BDS650
910925868149	BDS650 LED50-4S/740 I MDS D9 STD 60	LED50	BDS650
910925868191	BDS650 LED20/730 PSU-CLO II MDS 60	LED20	BDS650
910925868199	BDS650 LED30/730 PSU II SIF-PCN C500 60	LED30	BDS650
910925868144	BDS650 LED25-4S/830 PSU II VD CLO STD 60	LED25	BDS650
910925868151	BDS651 LED20-4S/740 I MDS CLO D9 STD 60	LED20	BDS651
910925868202	BDS651 LED50/730 PSU II MDM-PCN C500 60	LED50	BDS651

## Light Technical (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
910925868147	BDS650 LED40-4S/740 I MDS D9 STD 76	17°	740 neutral white	4000 K	≥70
910925868149	BDS650 LED50-4S/740 I MDS D9 STD 60	17°	740 neutral white	4000 K	≥70
910925868191	BDS650 LED20/730 PSU- CLO II MDS 60	17°	730 warm white	3000 K	≥70
910925868199	BDS650 LED30/730 PSU II SIF-PCN C500 60	-	730 warm white	3000 K	≥70

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
910925868144	BDS650 LED25-4S/830 PSU II VD CLO STD 60	-	830 warm white	3000 K	≥80
910925868151	BDS651 LED20-4S/740 I MDS CLO D9 STD 60	17°	740 neutral white	4000 K	≥70
910925868202	BDS651 LED50/730 PSU II MDM-PCN C500 60	48° x 66°	730 warm white	3000 K	≥70

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type outdoor	Upward light output ratio
910925868147	BDS650 LED40-4S/740 I MDS D9 STD 76	3,360 lm	Metronomis distribution symmetrical	1.1

Order Code	Full Product Name	Luminous Flux	Optic type outdoor	Upward light output ratio
910925868149	BDS650 LED50-4S/740 I MDS D9 STD 60	4,200 lm	Metronomis distribution symmetrical	1.1

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Order Code	Full Product Name	Luminous		Upward light output ratio
		Flux	Optic type outdoor	
910925868191	BDS650 LED20/730 PSU-CLO II MDS 60	1,638 lm	Metronomis distribution symmetrical	1.1
910925868199	BDS650 LED30/730 PSU II S1F-PCN C500 60	2,460 lm	Symmetric distribution optic conform French PCN (Protection Ciel Nocturne - Dark sky)	0.34
910925868144	BDS650 LED25-4S/830 PSU II VD CLO STD 60	2,125 lm	-	4.75

Order Code	Full Product Name	Luminous		Upward light output ratio
		Flux	Optic type outdoor	
910925868151	BDS651 LED20-4S/740 I MDS CLO D9 STD 60	1,638 lm	Metronomis distribution symmetrical	1.1
910925868202	BDS651 LED50/730 PSU II MDM-PCN C500 60	4,000 lm	Metronomis distribution medium PCN (Protection Ciel Nocturne - Dark Sky)	0.41

### Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925868147	BDS650 LED40-4S/740 I MDS D9 STD 76	25 W
910925868149	BDS650 LED50-4S/740 I MDS D9 STD 60	30 W
910925868191	BDS650 LED20/730 PSU-CLO II MDS 60	13.6 W
910925868199	BDS650 LED30/730 PSU II S1F-PCN C500 60	20.5 W

Order Code	Full Product Name	Power Consumption
910925868144	BDS650 LED25-4S/830 PSU II VD CLO STD 60	19.4 W
910925868151	BDS651 LED20-4S/740 I MDS CLO D9 STD 60	12.8 W
910925868202	BDS651 LED50/730 PSU II MDM-PCN C500 60	32 W

### Controls and Dimming

Order Code	Full Product Name	Dimmable
910925868147	BDS650 LED40-4S/740 I MDS D9 STD 76	Yes
910925868149	BDS650 LED50-4S/740 I MDS D9 STD 60	Yes
910925868191	BDS650 LED20/730 PSU-CLO II MDS 60	No
910925868199	BDS650 LED30/730 PSU II S1F-PCN C500 60	No

Order Code	Full Product Name	Dimmable
910925868144	BDS650 LED25-4S/830 PSU II VD CLO STD 60	No
910925868151	BDS651 LED20-4S/740 I MDS CLO D9 STD 60	Yes
910925868202	BDS651 LED50/730 PSU II MDM-PCN C500 60	No

### Application Conditions

Order Code	Full Product Name	Maximum dim level
910925868147	BDS650 LED40-4S/740 I MDS D9 STD 76	Programmable
910925868149	BDS650 LED50-4S/740 I MDS D9 STD 60	Programmable
910925868191	BDS650 LED20/730 PSU-CLO II MDS 60	Not applicable
910925868199	BDS650 LED30/730 PSU II S1F-PCN C500 60	Not applicable

Order Code	Full Product Name	Maximum dim level
910925868144	BDS650 LED25-4S/830 PSU II VD CLO STD 60	-
910925868151	BDS651 LED20-4S/740 I MDS CLO D9 STD 60	Programmable
910925868202	BDS651 LED50/730 PSU II MDM-PCN C500 60	Not applicable

# Metronomis LED Torch

## Polar Wide Diagrams

Polar Normal (separate) - BDS650I -  
910925868199

Polar Normal (separate) - BDS650I -  
910925868147

Polar Normal (separate) - BDS650I -  
910925868149

Polar Normal (separate) - BDS650I -  
910925868144

Polar Normal (separate) - BDS650I -  
910925868151

Polar Normal (separate) - BDS650I -  
910925868191

Polar Normal (separate) - BDS650I -  
910925868202

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