Philips Metronomis LED: a play of light and shadow

Metronomis LED Fluid

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 ambiences: 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
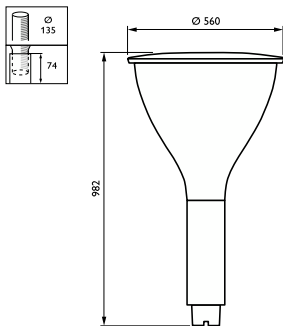- Residential and architectural areas
- Cycle paths, footpaths

Versions

OPPR BDS650i 0017

Metronomis LED Fluid BDS670

Dimensional drawing

Metronomis LED Fluid

Product details

OPDP_BDS650i_0009-Detail
photo

OPDP_BDS650i_0011-Detail
photo

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

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Product details

OPDP_BDS650i_0035-Detail photo

OPDP_BDS650i_0037-Detail photo

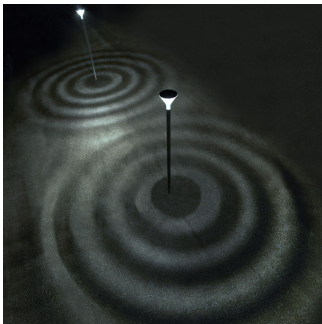**OPDP_BDS650i_0039-Detail photo**

OPDP_BDS650i_0041-Detail photo

OPDP_BDS650i_0045-Detail photo

OPDP_BDS650i_0047-Detail photo

OPDP_BDS650i_0049-Detail photo

OPDP_BDS650i_0051-Detail photo

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Product details

OPDP_BDS650i_0053-Detail photo

OPDP_BDS650i_0055-Detail photo

General Information

CE mark	Yes
Driver included	Yes
Flammability mark	–
Light source replaceable	Yes
Number of gear units	1 unit
Product family code	BDS670

Light Technical

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

Mechanical and Housing

Housing Color	Gray

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	Service tag
910925868169	BDS670 LED20-4S/740 I MDM D9 STD 60	LED20	Yes
910925868182	BDS670 LED40-4S/740 I MDS D9 STD 76	LED40	Yes
910925868187	BDS670 LED80-4S/740 I MDM D9 STD 60	LED80	Yes
910925868196	BDS670 LED20/727 II MDS SRT 60	LED20	Yes
910925868198	BDS670 LED80/722 I MDM SRT 60	LED80	Yes
910925869082	BDS670 LED40-4S/830 II MDS DF CLO STD 60	LED40	–
910925868174	BDS670 LED15-4S/830 PSU II MDS DIA STD 6	LED15	Yes

Light Technical (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
910925868169	BDS670 LED20-4S/740 I MDM D9 STD 60	48° x 66°	740 neutral white	4000 K	≥70
910925868182	BDS670 LED40-4S/740 I MDS D9 STD 76	17°	740 neutral white	4000 K	≥70
910925868187	BDS670 LED80-4S/740 I MDM D9 STD 60	48° x 66°	740 neutral white	4000 K	≥70
910925868196	BDS670 LED20/727 II MDS SRT 60	17°	727 warm white	2700 K	≥70

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
910925868198	BDS670 LED80/722 I MDM SRT 60	48° x 66°	722 warm white	2200 K	≥70
910925869082	BDS670 LED40-4S/830 II MDS DF CLO STD 60	17°	830 warm white	3000 K	≥70
910925868174	BDS670 LED15-4S/830	17°	830 warm white	3000 K	≥80

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Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
	PSU II MDS DIA STD 6				

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type outdoor	Upward light output ratio
910925868169	BDS670 LED20-4S/740 I MDM D9 STD 60	1,700 lm	Metronomis distribution medium	4.92
910925868182	BDS670 LED40-4S/740 I MDS D9 STD 76	3,360 lm	Metronomis distribution symmetrical	5.37
910925868187	BDS670 LED80-4S/740 I MDM D9 STD 60	6,800 lm	Metronomis distribution medium	4.92
910925868196	BDS670 LED20/727 II MDS SRT 60	1,700 lm	Metronomis distribution symmetrical	5.37

Order Code	Full Product Name	Luminous Flux	Optic type outdoor	Upward light output ratio
910925868198	BDS670 LED80/722 I MDM SRT 60	6,720 lm	Metronomis distribution medium	4.92
910925869082	BDS670 LED40-4S/830 II MDS DF CLO STD 60	3,306 lm	Metronomis distribution symmetrical	5.37
910925868174	BDS670 LED15-4S/830 PSU II MDS DIA STD 6	1,155 lm	Metronomis distribution symmetrical	3.96

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925868169	BDS670 LED20-4S/740 I MDM D9 STD 60	13 W
910925868182	BDS670 LED40-4S/740 I MDS D9 STD 76	26 W
910925868187	BDS670 LED80-4S/740 I MDM D9 STD 60	46.5 W
910925868196	BDS670 LED20/727 II MDS SRT 60	15.2 W

Order Code	Full Product Name	Power Consumption
910925868198	BDS670 LED80/722 I MDM SRT 60	64 W
910925869082	BDS670 LED40-4S/830 II MDS DF CLO STD 60	32 W
910925868174	BDS670 LED15-4S/830 PSU II MDS DIA STD 6	12.2 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
910925868169	BDS670 LED20-4S/740 I MDM D9 STD 60	Yes
910925868182	BDS670 LED40-4S/740 I MDS D9 STD 76	Yes
910925868187	BDS670 LED80-4S/740 I MDM D9 STD 60	Yes
910925868196	BDS670 LED20/727 II MDS SRT 60	Yes

Order Code	Full Product Name	Dimmable
910925868198	BDS670 LED80/722 I MDM SRT 60	Yes
910925869082	BDS670 LED40-4S/830 II MDS DF CLO STD 60	Yes
910925868174	BDS670 LED15-4S/830 PSU II MDS DIA STD 6	No

Application Conditions

Order Code	Full Product Name	Maximum dim level
910925868169	BDS670 LED20-4S/740 I MDM D9 STD 60	Programmable
910925868182	BDS670 LED40-4S/740 I MDS D9 STD 76	Programmable
910925868187	BDS670 LED80-4S/740 I MDM D9 STD 60	Programmable
910925868196	BDS670 LED20/727 II MDS SRT 60	Programmable

Order Code	Full Product Name	Maximum dim level
910925868198	BDS670 LED80/722 I MDM SRT 60	Programmable
910925869082	BDS670 LED40-4S/830 II MDS DF CLO STD 60	–
910925868174	BDS670 LED15-4S/830 PSU II MDS DIA STD 6	Not applicable

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Polar Wide Diagrams

Polar Normal (separate) – BDS650I – 910925868198

Polar Normal (separate) – BDS650I – 910925869082

Polar Normal (separate) – BDS650I – 910925868182

Polar Normal (separate) – BDS650I – 910925868174

Polar Normal (separate) – BDS650I – 910925868196

Polar Normal (separate) – BDS650I – 910925868169

Polar Normal (separate) – BDS650I – 910925868187

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