



# 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 optimising 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 aluminium and wooden masts – heights of 3.5 and 4 meters – enhance the pure, simplified style of the luminaires

# Metronomis LED Torch

## Application

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

## Specifications

|   |  |
|---|--|
| <b>Type</b>   | BDS650 (version without hat)<br>BDS651 (version with hat)                      |
| <b>Light source</b>                                       | Built-in LED-module  |
| <b>Power (+/-10%)</b>                                     | 15 up to 75 W  |
| <b>Luminous flux</b>                                      | GreenLine: 1,350 up to 4,300 lm<br>Economyline: 2,200 up to 6,100 lm           |
| <b>Luminaire efficacy</b>                                 | Up to 90 lm/W (3,000 K, Warm White)<br>Up to 100 lm/W (4,000 K, Neutral White) |
| <b>Correlated Colour Temperature</b>                      | 3,000 or 4,000 K   |
| <b>Colour Rendering Index</b>                             | 80 (3,000 K, Warm White)<br>70 (4,000 K, Neutral White)                        |
| <b>Lumen maintenance at median useful life* 100,000 h</b> | GreenLine: min L80   |
| <b>Lumen maintenance at median useful life* 75,000 h</b>  | EconomyLine: min L80   |

|  |                                      |
|--|--------------------------------------|
| <b>Control gear failure rate at median useful life 100,000 h</b> | GreenLine: 10%                       |
| <b>Control gear failure rate at median useful life 75,000 h</b>  | EconomyLine: 7.5%                    |
| <b>Performance Ambient Temperature Tq</b>                        | +25 °C                               |
| <b>Operating temperature range</b>                               | -20 to +35 °C                        |
| <b>Driver</b>  | Built-in (self ballasted LED-module) |
| <b>Mains voltage</b>   | 220-240 V / 50-60 Hz                 |
| <b>Inrush current</b>  | 108 A at 140 µs                      |

## Specifications

|                             |  |
|-----------------------------|--|
| <b>Dimming</b>              | LumiStep: 6 and 8 hours<br>DynaDimmer<br>SDU<br>External dimming 1-10 V  |
| <b>Control system input</b> | 1-10 V   |
| <b>Options</b>              | Different diffusing covers available: simple diffusing tube and a holographic tube that creates a dynamic play of light inside the bowl<br>Bowl with a full light blocking layer to control the light in residential areas |
| <b>Optic</b>                | Metronomis Distribution Medium (MDM), Wide (MDW), Asymmetrical (MDA), Symmetrical (MDS) and Vertical (MDV)   |
| <b>Optical element</b>      | Diffusing plate, prismatic plates (Circular, Lines, Diamond)   |
| <b>Optical cover</b>        | Polycarbonate bowl, transparent  |
| <b>Material</b>             | Housing: high-pressure aluminium<br>Optical cover: polycarbonate, reinforced against UV  |

|                     |   |
|---------------------|---|
| <b>Colour</b>       | Ultra-dark grey<br>Topaz and light grey<br>Other RAL colours available on request   |
| <b>Connection</b>   | Wieland connector 3-pole mains (and 2-pole control signal)  |
| <b>Maintenance</b>  | One tool to open the luminaire for all maintenance activities (Standard Philips head screws)<br>To open the top: four screws in order to change patterns and optics<br>To open the gear tray: two screws and tool-less connectors |
| <b>Installation</b> | Dedicated range of masts<br>Post top Ø 60 and 76 mm<br>Recommended mounting height: 3.5-4 m<br>Max SCx: 0.1991 m (BDS650), 0.2016 m   |

# Metronomis LED Torch

## Versions

Metronomis LED Torch BDS650  
urban-lighting luminaire



## Product details



OPDP\_BDS650i\_0025-Detail  
photo



OPDP\_BDS650i\_0029-Detail  
photo



# Metronomis LED Torch

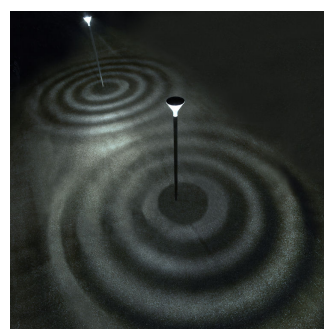
## Product details



OPDP\_BDS650i\_0041-Detail  
photo



OPDP\_BDS650i\_0047-Detail  
photo



OPDP\_BDS650i\_0051-Detail  
photo

# Metronomis LED Torch

## Product details



OPDP\_BDS650i\_0055-Detail photo

### Application Conditions

|                   |              |
|-------------------|--------------|
| Maximum dim level | Programmable |
|-------------------|--------------|

### Approval and Application

|  |                                    |
|--|------------------------------------|
| Mech. impact protection code           | IK10                               |
| Surge Protection (Common/Differential) | Surge protection level up to 10 kV |

### Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

### General Information

|                             |                                     |
|-----------------------------|-------------------------------------|
| Luminaire light beam spread | 17°                                 |
| CE mark                     | CE mark                             |
| Optical cover/lens type     | PC                                  |
| Driver included             | Yes                                 |
| Flammability mark           | NO                                  |
| Light source replaceable    | Yes                                 |
| Number of gear units        | 1 unit                              |
| Optic type                  | Metronomis distribution symmetrical |
| Product Family Code         | BDS650                              |

### Initial Performance (IEC Compliant)

|                              |     |
|------------------------------|-----|
| Init. Colour Rendering Index | ≥70 |
|------------------------------|-----|

### Light Technical

|                                |     |
|--------------------------------|-----|
| Standard tilt angle side entry | -   |
| Standard tilt angle posttop    | -   |
| Upward light output ratio      | 1.1 |

### Mechanical and Housing

|        |      |
|--------|------|
| Colour | Grey |
|--------|------|

## General Information

| Order Code | Full Product Name                   | Light source colour | Lamp family code |
|------------|-------------------------------------|---------------------|------------------|
| 19935400   | BDS650 LED15-4S/722 I MDS D9 STD 60 | 722 warm white      | LED15            |
| 19944600   | BDS650 LED50-4S/740 I MDS D9 STD 60 | 740 neutral white   | LED50            |

## Metronomis LED Torch

| Order Code | Full Product Name                      | Init. Corr. Colour Temperature | Initial luminous flux |
|------------|--|--------------------------------|-----------------------|
| 19935400   | BDS650 LED15-4S/722 I MDS<br>D9 STD 60 | 2200 K                         | 1260 lm               |

| Order Code | Full Product Name                      | Init. Corr. Colour Temperature | Initial luminous flux |
|------------|--|--------------------------------|-----------------------|
| 19944600   | BDS650 LED50-4S/740 I MDS<br>D9 STD 60 | 4000 K                         | 4200 lm               |

