# Metronomis LED – a play of light and shadow

## Metronomis LED Fluid

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
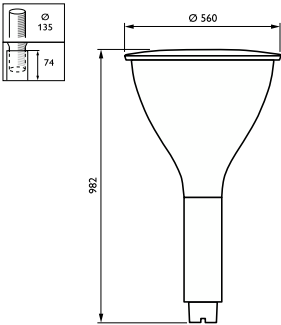
# Metronomis LED Fluid

## Application
· City centers and squares
· Commercial and business centers
· Residential and architectural areas

## Versions



**Metronomis LED Fluid BDS670**

## Dimensional drawing



## Product details



**OPDP_BDS650i_0009-Detail photo**



**OPDP_BDS650i_0011-Detail photo**

# Metronomis LED Fluid

## 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 Fluid

# Metronomis LED Fluid

## Product details
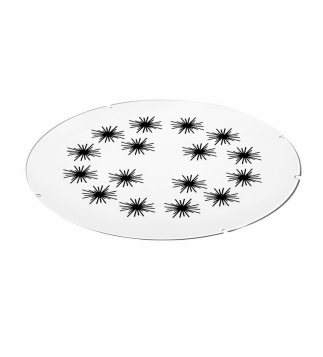


**OPDP_BDS650i_0039-Detail photo**



**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**



**OPDP_BDS650i_0053-Detail photo**



**OPDP_BDS650i_0055-Detail photo**

# Metronomis LED Fluid

## General Information

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

## 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 |
|---|---|---|
| 19964400 | BDS670 LED20-4S/740 I MDM D9 STD 60 | LED20 |
| 19977400 | BDS670 LED40-4S/740 I MDS D9 STD 76 | LED40 |
| 19982800 | BDS670 LED80-4S/740 I MDM D9 STD 60 | LED80 |
| 19991000 | BDS670 LED20/727 II MDS SRT 60 | LED20 |
| 19993400 | BDS670 LED80/722 I MDM SRT 60 | LED80 |
| 19969900 | BDS670 LED15-4S/830 PSU II MDS DIA STD 6 | LED15 |

## Light Technical (1/2)

| Order Code | Full Product Name | Luminaire light beam spread | Light source color | Correlated Color Temperature (Nom) | Color rendering index (CRI) |
|---|---|---|---|---|---|
| 19964400 | BDS670 LED20-4S/740 I MDM D9 STD 60 | 48° x 66° | 740 neutral white | 4000 K | ≥70 |
| 19977400 | BDS670 LED40-4S/740 I MDS D9 STD 76 | 17° | 740 neutral white | 4000 K | ≥70 |
| 19982800 | BDS670 LED80-4S/740 I MDM D9 STD 60 | 48° x 66° | 740 neutral white | 4000 K | ≥70 |
| 19991000 | 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) |
|---|---|---|---|---|---|
| 19993400 | BDS670 LED80/722 I MDM SRT 60 | 48° x 66° | 722 warm white | 2200 K | ≥70 |
| 19969900 | BDS670 LED15-4S/830 PSU II MDS DIA STD 6 | 17° | 830 warm white | 3000 K | ≥80 |

## Light Technical (2/2)

| Order Code | Full Product Name | Luminous Flux | Optic type outdoor | Upward light output ratio |
|---|---|---|---|---|
| 19964400 | BDS670 LED20-4S/740 I MDM D9 STD 60 | 1,700 lm | Metronomis distribution medium | 4.92 |

| Order Code | Full Product Name | Luminous Flux | Optic type outdoor | Upward light output ratio |
|---|---|---|---|---|
| 19977400 | BDS670 LED40-4S/740 I MDS D9 STD 76 | 3,360 lm | Metronomis distribution symmetrical | 5.37 |

# Metronomis LED Fluid

| Order Code | Full Product Name | Luminous Flux | Optic type outdoor | Upward light output ratio |
|---|---|---|---|---|
| 19982800 | BDS670 LED80-4S/740 I MDM D9 STD 60 | 6,800 lm | Metronomis distribution medium | 4.92 |
| 19991000 | 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 |
|---|---|---|---|---|
| 19993400 | BDS670 LED80/722 I MDM SRT 60 | 6,720 lm | Metronomis distribution medium | 4.92 |
| 19969900 | 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 |
|---|---|---|
| 19964400 | BDS670 LED20-4S/740 I MDM D9 STD 60 | 13 W |
| 19977400 | BDS670 LED40-4S/740 I MDS D9 STD 76 | 26 W |
| 19982800 | BDS670 LED80-4S/740 I MDM D9 STD 60 | 46.5 W |

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 19991000 | BDS670 LED20/727 II MDS SRT 60 | 15.2 W |
| 19993400 | BDS670 LED80/722 I MDM SRT 60 | 64 W |
| 19969900 | BDS670 LED15-4S/830 PSU II MDS DIA STD 6 | 12.2 W |

## Controls and Dimming

| Order Code | Full Product Name | Dimmable |
|---|---|---|
| 19964400 | BDS670 LED20-4S/740 I MDM D9 STD 60 | Yes |
| 19977400 | BDS670 LED40-4S/740 I MDS D9 STD 76 | Yes |
| 19982800 | BDS670 LED80-4S/740 I MDM D9 STD 60 | Yes |

| Order Code | Full Product Name | Dimmable |
|---|---|---|
| 19991000 | BDS670 LED20/727 II MDS SRT 60 | Yes |
| 19993400 | BDS670 LED80/722 I MDM SRT 60 | Yes |
| 19969900 | BDS670 LED15-4S/830 PSU II MDS DIA STD 6 | No |

## Application Conditions

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 19964400 | BDS670 LED20-4S/740 I MDM D9 STD 60 | Programmable |
| 19977400 | BDS670 LED40-4S/740 I MDS D9 STD 76 | Programmable |
| 19982800 | BDS670 LED80-4S/740 I MDM D9 STD 60 | Programmable |

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 19991000 | BDS670 LED20/727 II MDS SRT 60 | Programmable |
| 19993400 | BDS670 LED80/722 I MDM SRT 60 | Programmable |
| 19969900 | BDS670 LED15-4S/830 PSU II MDS DIA STD 6 | Not applicable |

## Polar Wide Diagrams

Polar Normal (separate) – BDS650I – 910925868198

Polar Normal (separate) – BDS650I – 910925868182

Polar Normal (separate) – BDS650I – 910925868174

**Polar Wide Diagrams**

**Polar Normal (separate) – BDS650I – 910925868196**

**Polar Normal (separate) – BDS650I – 910925868169**

**Polar Normal (separate) – BDS650I – 910925868187**

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2023, August 2 – data subject to change