



MileWide² – design meets efficiency

MileWide²

Many municipal authorities are embracing the benefits of contemporary outdoor lighting. These include a more attractive urban environment and increased comfort, safety and security for the public. Not to mention the positive impact on environmental protection and city branding. Together with Holscher Design, Philips has developed MileWide², the successor to the highly popular MileWide family. Featuring a range of dedicated masts and brackets, the pure, clean design of MileWide² integrates perfectly with today's and tomorrow's cityscape. With its high-quality finish and high level of lighting performance, MileWide² is suitable for a wide range of applications, ranging from traffic roads to city centers. Multi-layer optics provide a uniform light distribution and reduced glare, enabling direct replacement of HID solutions without compromising on spacing, mounting height or light quality.

Benefits

- Consistency and continuity of family design
- Complete solution with dedicated masts and brackets
- Significant energy savings (up to 80% compared to HPL) without compromising on quality of light

Features

- Dedicated total solution based on clean-design, high-finish MileWide family
- Designed for LED – no compromise
- Exceptionally high performance and good glare control
- Different optics available – suitable for a wide range of applications
- "Plug-and-play"

Application

- Residential streets
- Walking, cycling and running paths
- Main roads
- Motorways
- Car parks

Specifications

| | | | |
|--|--|-------------------------|--|
| Type | BPP435 (post-top version) BRP435 (side-entry version) | Optical cover | Thermally hardened glass, flat |
| Light source | Integral LED-module | Material | Housing: high-pressure, die-cast aluminium, non-corrosive Cover: glass, thermally hardened |
| Power | Neutral white: 8.7 to 71 W Warm white: 10.6 to 77 W | Colour | Silver satin grey (SI) Philips dark grey (GR) Other RAL or AKZO Futura colours available on request |
| Luminous flux (system) | Neutral white: 1,040 - 9,775 lm Warm white: 1,027 - 8,500 lm | Maintenance | 5 torx screws from below The Philips Service tag will help to identify the product and share all product information on the spot |
| Luminaire efficacy | Up to 149 lm/W | Installation | Side-entry mounting: lateral entry Ø 42-48 mm Post-top mounting: Ø 60-76 mm Spigot is external Recommended mounting height: 6-8 m Max SCx: 0.049 m² |
| Correlated Colour | 3,000 K (Warm white) | Remarks | Dedicated accessories available for different mounting possibilities |
| Temperature | 4,000 K (neutral white) | SR compatibility | Luminaire prepared for SR drivers and sockets, offering a standardised, futureproof platform for connectivity and sensors. For SR-based luminaires only SR-Certified components/sensors are to be used (see also: http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting). Functional compatibility of 2 (SR-certified) components/sensors to be used in combination as well as override the possibility of any lineswitch function used in an SR-based luminaire, is to be released by the master component/sensor supplier. For the use of a NEMA 7-pin socket on an SR-based luminaire, a full-system verification is required. Not following this advice can/will cause risk of damage and non-compliance for which Signify cannot take any responsibility. |
| Colour Rendering Index | ≥ 70 (Neutral white, 4,000 K) ≥ 80 (Warm white, 3,000 K) | | |
| Lumen maintenance at median useful life* 100,000 h | up to L95 | | |
| Control gear failure rate at median useful life 100,000 h | 10% | | |
| Performance Ambient Temperature Tq | +25 °C | | |
| Operating temperature range | -20 to +35 °C | | |
| Driver | Built-in (self ballasted LED-module) | | |
| Mains voltage | 220-240 V / 50-60 Hz | | |
| Inrush current | 22 W driver: 15 A at 295 µs SR 22 W driver: 18 A at 320 µs 40 W driver: 21 A at 225 µs SR 40 W driver: 21 A at 300 µs 100 W driver: 45 A at 285 µs | | |
| Dimming | Stand-alone DynaDimmer DALI Mains Dimming CM – Group dimming | | |
| Options | Wired for SR (System-Ready) | | |
| Optic | Distribution Medium (DM), Wide (DW), Comfort (DC), Distribution Road Wet (DK), Distribution Narrow (DN), Asymmetric (A), Symmetric (S), Distribution Pedestrian crossing (DP-L & DP-R) | | |

Versions



Product details



MileWide2



MileWide2



MileWide2



MileWide2

Product details

MileWide2



General Information

| | |
|-----------------------------|-------------------------------|
| Luminaire light beam spread | - |
| CE mark | CE mark |
| Coating | Marine salt protected coating |
| Optical cover/lens type | FG |
| Driver included | Yes |
| Flammability mark | NO |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |

Light Technical

| | |
|--------------------------------|------|
| Standard tilt angle side entry | - |
| Standard tilt angle posttop | - |
| Upward light output ratio | 0.03 |

Mechanical and Housing

| | |
|--------|--------|
| Colour | Silver |
|--------|--------|

Application Conditions

| Order Code | Full Product Name | Maximum dim level |
|------------|--|-------------------|
| 58038400 | BRP435LED22-4S/830I SI DM50 CTGCO 48ST25 | Programmable |
| 58039100 | BRP435LED35-4S/830I SI DS50 CTGCO-SRB48S | Programmable |
| 58040700 | BRP435 LED85-4S/740 II SI DM50 48S T25 | Not applicable |
| 58041400 | BRP435 LED115-4S/740II SI DM12 D9 48ST25 | Programmable |
| 58043800 | BRP435LED115-4S/740II SI DM31 D9SRG1060S | Programmable |
| 58044500 | BPP435 LED105-4S/740 I SI BL1 DX70 60S | Not applicable |
| 58045200 | BPP435LED45/740IISIBL1DM12CTGCOSRB60S | Programmable |

Approval and Application

| Order Code | Full Product Name | Mech. impact protection code | Surge Protection (Common/Differential) |
|------------|--|------------------------------|--|
| 58038400 | BRP435LED22-4S/830I SI DM50 CTGCO 48ST25 | IK08 | Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode |
| 58039100 | BRP435LED35-4S/830I SI DS50 CTGCO-SRB48S | IK07 | Luminaire surge protection level up to 6 kV differential mode and 6 |

| Order Code | Full Product Name | Mech. impact protection code | Surge Protection (Common/Differential) |
|------------|--|------------------------------|--|
| 58040700 | BRP435 LED85-4S/740 II SI DM50 48S T25 | IK08 | Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode |
| 58041400 | BRP435 LED115-4S/740II SI DM12 D9 48ST25 | IK08 | Luminaire surge protection level up to 6 |

| Order Code | Full Product Name | Mech. impact protection code | Surge Protection (Common/Differential) |
|------------|--|------------------------------|---|
| | | | kV differential mode and 6 kV common mode |
| 58043800 | BRP435LED115-4S/740II SI DM31 D9SRG1060S | IK08 | Surge protection level until 10 kV |
| 58044500 | BPP435 LED105-4S/740 I SI BL1 DX70 60S | IK08 | Luminaire surge protection level up to 6 |

| Order Code | Full Product Name | Mech. impact protection code | Surge Protection (Common/Differential) |
|------------|---------------------------------------|------------------------------|--|
| | | | kV differential mode and 6 kV common mode |
| 58045200 | BPP435LED45/740IISIBL1DM12CTGCOSRB60S | IK07 | Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode |

Controls and Dimming

| Order Code | Full Product Name | Dimmable |
|------------|--|----------|
| 58038400 | BRP435LED22-4S/830I SI DM50 CTGCO 48ST25 | Yes |
| 58039100 | BRP435LED35-4S/830I SI DS50 CTGCO-SRB48S | Yes |
| 58040700 | BRP435 LED85-4S/740 II SI DM50 48S T25 | No |
| 58041400 | BRP435 LED115-4S/740II SI DM12 D9 48ST25 | Yes |

| Order Code | Full Product Name | Dimmable |
|------------|--|----------|
| 58043800 | BRP435LED115-4S/740II SI DM31 D9SRG1060S | Yes |
| 58044500 | BPP435 LED105-4S/740 I SI BL1 DX70 60S | No |
| 58045200 | BPP435LED45/740IISIBL1DM12CTGCOSRB60S | Yes |

General Information

| Order Code | Full Product Name | Light source colour | Lamp family code | P F Order C Code | Full Product Name | Light source colour | Lamp family code | Optic type | Product Family Code |
|------------|--|---------------------|------------------|-----------------------------|--|---------------------|------------------|----------------------------|---------------------|
| 58038400 | BRP435LED22-4S/830I SI DM50 CTGCO 48ST25 | 830 warm white | LED22 | Distribution medium 50 | BRP435800 BRP435LED115-4S/740II SI DM31 D9SRG1060S | 740 neutral white | LED115 | Distribution medium 31 | BRP435 |
| 58039100 | BRP435LED35-4S/830I SI DS50 CTGCO-SRB48S | 830 warm white | LED35 | Distribution symmetrical 50 | BPP435500 BPP435 LED105-4S/740 I SI BL1 DX70 60S | 740 neutral white | LED105 | Distribution extra wide 70 | BPP435 |
| 58040700 | BRP435 LED85-4S/740 II SI DM50 48S T25 | 740 neutral white | LED85 | Distribution medium 50 | BPP435200 BPP435LED45/740IISIBL1DM12CTGCOSRB60S | 740 neutral white | LED450 | Distribution medium 12 | BPP435 |
| 58041400 | BRP435 LED115-4S/740II SI DM12 D9 48ST25 | 740 neutral white | LED115 | Distribution medium 12 | | | | | |

Initial Performance (IEC Compliant)

| Order Code | Full Product Name | Init. Corr. Colour Temperature | Init. Colour Rendering Index | Init. luminous flux | Order Code | Full Product Name | Init. Corr. Colour Temperature | Init. Colour Rendering Index | Init. luminous flux |
|------------|--|--------------------------------|------------------------------|---------------------|------------|--|--------------------------------|------------------------------|---------------------|
| 58038400 | BRP435LED22-4S/830I SI DM50 CTGCO 48ST25 | 3000 K | ≥80 | 1892 lm | 58040700 | BRP435 LED85-4S/740 II SI DM50 48S T25 | 4000 K | ≥70 | 7396 lm |
| | | | | | 58041400 | BRP435 LED115-4S/740II SI DM12 D9 48ST25 | 4000 K | ≥70 | 9660 lm |
| 58039100 | BRP435LED35-4S/830I SI DS50 CTGCO-SRB48S | 3000 K | ≥80 | 2940 lm | | | | | |

| Order | | Init. Corr. | Init. Colour | Initial luminous flux | Order Code | Full Product Name | Init. Corr. | Init. Colour | Initial luminous flux |
|----------|--|-------------|--------------|-----------------------|------------|--|-------------|--------------|-----------------------|
| Code | Full Product Name | Temperature | Index | flux | Code | Full Product Name | Temperature | Index | flux |
| 58043800 | BRP435LED115-4S/740II SI DM31 D9SRG1060S | 4000 K | ≥70 | 9775 lm | 58044500 | BPP435 LED105-4S/740 I SI BL1 DX70 60S | 4000 K | ≥70 | 8190 lm |
| | | | | | 58045200 | BPP435LED45/740IISIBL1DM12CTGCOSRB60S | 4000 K | ≥70 | 3915 lm |

