



# ClassicStreet

## BDP794 LED53-4S/740 PSU II DS50 MK-WH GF

ClassicStreet Top, LED module 5300 lm, 740 neutral white, Power supply unit (On/Off), Safety class II, Distribution symmetrical 50, Glass frosted, Black, Luminaire surge protection level until 6 kV differential mode and 8 kV common mode, External connector, Cable 1.0 m with plug Wieland/Adels compatible 2-pole, Post-top for diameter 76 mm

Evoking the iconic beauty of 20th-century street lanterns, Philips ClassicStreet combines elegant design with the subtle details of heritage luminaires – all while meeting today's urban lighting requirements. Designed around LED, ClassicStreet delivers outstanding levels of lighting and energy performance for street lighting or road lighting, thanks to the Philips LEDGINE-O engine and application-tailored optics. Its gently curved design, together with dedicated brackets and poles, creates a contemporary look that beautifies cities, creating distinctive and warm night and daytime ambiances. Not only in traditional architectural settings, but in modern urban environments too. This contemporary street lighting solution features a Philips System ready (SR) socket, making it future ready to be paired with standalone or advanced control and lighting software applications such as Interact from Signify. ClassicStreet luminaires can also be equipped with our dedicated light recipes that preserve dark skies. In addition, every ClassicStreet luminaire is uniquely identifiable, thanks to the Signify Service tag app. By simply scanning a QR code, placed inside the door of the mast or directly on the luminaire, you can instantly access the configuration of the luminaire. This makes maintenance and programming operations faster and easier, and enables you to create a digital library of lighting assets and spare parts.

### Product data

|                          |                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Information      |                                                                                                                                                                                                                                                                                                                                                                                           |
| Lamp family code         | LED53 [LED module 5300 lm]                                                                                                                                                                                                                                                                                                                                                                |
| Light source replaceable | No                                                                                                                                                                                                                                                                                                                                                                                        |
| Number of gear units     | 1 unit                                                                                                                                                                                                                                                                                                                                                                                    |
| Driver included          | Yes                                                                                                                                                                                                                                                                                                                                                                                       |
| Remarks                  | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source engine type | LED                                                                                                                                                                                                                                                                                                                                                                                       |
| Product family code      | BDP794 [ClassicStreet Top]                                                                                                                                                                                                                                                                                                                                                                |
| Lighting Technology      | LED                                                                                                                                                                                                                                                                                                                                                                                       |
| Value ladder             | Performance                                                                                                                                                                                                                                                                                                                                                                               |
| CE mark                  | Yes                                                                                                                                                                                                                                                                                                                                                                                       |
| Warranty period          | 5 years                                                                                                                                                                                                                                                                                                                                                                                   |
| Flammability mark        | -                                                                                                                                                                                                                                                                                                                                                                                         |
| ENEC mark                | ENEC mark                                                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS compliant        | Yes                                                                                                                                                                                                                                                                                                                                                                                       |

|                                    |                             |
|------------------------------------|-----------------------------|
| Light Technical                    |                             |
| Upward light output ratio          | 0.03                        |
| Luminous Flux                      | 3,348 lm                    |
| Standard tilt angle posttop        | -                           |
| Standard tilt angle side entry     | -                           |
| Correlated Color Temperature (Nom) | 4000 K                      |
| Luminous Efficacy (rated) (Nom)    | 101 lm/W                    |
| Color rendering index (CRI)        | 70                          |
| Number of light sources            | 20                          |
| Light source color                 | 740 neutral white           |
| Optical cover type                 | Glass frosted               |
| Luminaire light beam spread        | 152° x 155°                 |
| Optic type outdoor                 | Distribution symmetrical 50 |

|                                          |                                                       |
|------------------------------------------|-------------------------------------------------------|
| Operating and Electrical                 |                                                       |
| Input Voltage                            | 220-240 V                                             |
| Line Frequency                           | 50 to 60 Hz                                           |
| Inrush current                           | 21 A                                                  |
| Inrush time                              | 0.225 ms                                              |
| Power Consumption                        | 33 W                                                  |
| Power Factor (Fraction)                  | 0.98                                                  |
| Connection                               | External connector                                    |
| Cable                                    | Cable 1.0 m with plug Wieland/Adels compatible 2-pole |
| Number of products on MCB of 16 A type B | 26                                                    |

|                           |               |
|---------------------------|---------------|
| Temperature               |               |
| Ambient temperature range | -40 to +50 °C |

|                               |                            |
|-------------------------------|----------------------------|
| Controls and Dimming          |                            |
| Dimmable                      | No                         |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface             | -                          |
| Constant light output         | No                         |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Mechanical and Housing              |                             |
| Housing Material                    | Aluminum                    |
| Reflector material                  | -                           |
| Optic material                      | Polymethyl methacrylate     |
| Optical cover material              | Glass                       |
| Fixation material                   | Aluminum                    |
| Housing Color                       | Black                       |
| Mounting device                     | Post-top for diameter 76 mm |
| Optical cover shape                 | Flat                        |
| Optical cover finish                | Frosted                     |
| Overall length                      | 428 mm                      |
| Overall width                       | 428 mm                      |
| Overall height                      | 586 mm                      |
| Effective projected area            | 0.15 m²                     |
| Dimensions (Height x Width x Depth) | 586 x 428 x 428 mm          |

|                                        |                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------|
| Approval and Application               |                                                                                    |
| Ingress protection code                | IP66 [Dust penetration-protected, jet-proof]                                       |
| Mech. impact protection code           | IK08 [5 J vandal-protected]                                                        |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |
| Sustainability rating                  | Lighting for circularity                                                           |
| Protection class IEC                   | Safety class II                                                                    |
| Photobiological risk                   | Photobiological risk group 1 @200mm to EN62778                                     |
| Photobiological risk specification     | 4 m                                                                                |

|                                       |                        |
|---------------------------------------|------------------------|
| Initial Performance (IEC Compliant)   |                        |
| Luminous flux tolerance               | +/-7%                  |
| Initial chromaticity                  | (0.380, 0.380) SDCM <5 |
| Power consumption tolerance           | +/-10%                 |
| Init. Color Rendering Index Tolerance | +/-2                   |

|                                                          |      |
|----------------------------------------------------------|------|
| Over Time Performance (IEC Compliant)                    |      |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h        | L97  |

|                                    |                |
|------------------------------------|----------------|
| Application Conditions             |                |
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |

| Product Data       |                                          |
|--------------------|------------------------------------------|
| Order product name | BDP794 LED53-4S/740 PSU II DS50 MK-WH GF |
| Full product name  | BDP794 LED53-4S/740 PSU II DS50 MK-WH GF |
| Full product code  | 871869911681100                          |
| Order code         | 912300023851                             |

|                                 |               |
|---------------------------------|---------------|
| Material Nr. (12NC)             | 912300023851  |
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718699116811 |
| Numerator - Packs per outer box | 1             |
| EAN/UPC - Case                  | 8718699116811 |

Dimensional drawing

