



ClassicStreet

BDP794 LED52-4S/830 PSU II DS50 MK-WH GF

ClassicStreet Top, LED module 5200 lm, 830 warm 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 60 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	LED52 [LED module 5200 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
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Light Technical	
Upward light output ratio	0.03
Luminous Flux	3,172 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	76 lm/W
Color rendering index (CRI)	80
Number of light sources	20
Light source color	830 warm 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	43 A
Inrush time	0.26 ms
Power Consumption	42 W
Power Factor (Fraction)	0.97
Connection	External connector

Cable	Cable 1.0 m with plug Wieland/Adels compatible 2-pole
Number of products on MCB of 16 A type 10 B	
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 60 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	(0.430, 0.400) 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	L96
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Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BDP794 LED52-4S/830 PSU II DS50 MK-WH GF
Full product name	BDP794 LED52-4S/830 PSU II DS50 MK-WH GF

Full product code	871869911680400
Order code	11680400
Material Nr. (12NC)	912300023850
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699116804
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699116804

Dimensional drawing

