



# ClassicStreet

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

BDP794 | ClassicStreet Top, LED53 | LED module 5300 lm, 740 neutral white, Power supply unit (On/Off), Safety class II, Distribution symmetrical 50, Glass frosted, Black, 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, 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 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 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
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Unclassified

Light Technical	
Upward light output ratio	0.03
Luminous Flux	3,348 lm
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
Luminaire light beam spread	152° x 155°
Optic type outdoor	Distribution symmetrical 50
Effective projected area	0.15 m <sup>2</sup>

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
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	Not applicable

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
Dimensions (Height x Width x Depth)	586 x 428 x 428 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Glass frosted
Net Weight (Piece)	10.000 kg

Approval and Application	
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	4 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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
Ambient temperature range	-40 to +50 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h 10 %

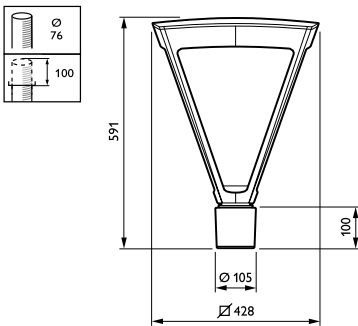
Lumen maintenance (EN-IEC 62722-2-1) L97 at median useful life\* 100000 h

## Product Data

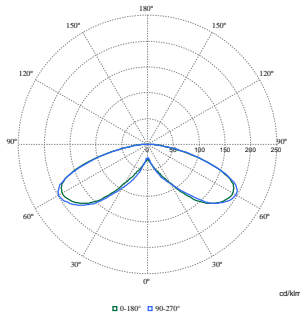
Order product name	BDP794 LED53-4S/740 PSU II DS50 MK-WH GF
Full product name	BDP794 LED53-4S/740 PSU II DS50 MK-WH GF

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
Product family code	BDP794 [ClassicStreet Top]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - BDP794I - 912300023851

