ClassicStreet

BDP794 LED42-4S/740 II DS50 MK-WH FG BK

ClassicStreet Top, LED module 4200 lm, 740 neutral white, Power supply unit regulating, Safety class II, Distribution symmetrical 50, Flat glass, 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

Recalling the iconic beauty of 20th-century street lanterns, ClassicStreet combines elegant design with the subtle details of heritage luminaires while meeting today's urban lighting requirements. Though echoing the past, the ClassicStreet luminaire is very much shaped for the future. Its gently curved design, together with dedicated brackets and poles, creates a contemporary look that beautifies our cities and creates distinctive and warm night- and daytime ambiences. Not only in historical and traditional architectural settings, but also in more modern urban environments too. Designed around its LED engine, ClassicStreet delivers outstanding levels of lighting and energy performance.

Product data

General Information	
Lamp family code	LED42 [LED module 4200 lm]
Light source replaceable	Yes
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

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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	2,898 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color rendering index (CRI)	70
Number of light sources	20
Light source color	740 neutral white
Optical cover type	Flat glass
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	26 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 B	26

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	DALI
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	Clear
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	IK09 [10 J]
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	10%

Product Data

Order product name	BDP794 LED42-4S/740 II DS50 MK-WH FG BK
Full product name	BDP794 LED42-4S/740 II DS50 MK-WH FG BK
Full product code	871869911682800
Order code	11682800
Material Nr. (12NC)	912300023852
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699116828
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699116828

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Dimensional drawing

www.lighting.philips.com

2023, April 25 – data subject to change