BDP794 LED53-4S/740 II DW10 MK-WH FG BK

912300023859

BDP794 | CLASSICSTREET TOP, LED53 | LED module 5300 lm, 740 neutral white, Power supply unit regulating external with constant light output, Safety class II, Distribution wide 10, Flat glass, Black, Constant light output and DynaDimmer fixed presets version 2, Surge protection level until 10 kV differential mode and 10 kV common mode, External connector, Cable 1.0 m with plug Wieland/

Adels compatible 2-pole, Post-top for diameter 60 mm

Urban road & street light, Aluminum, Black, Post-top for diameter 60 mm, Power supply unit regulating external with constant light output, Constant light output and DynaDimmer fixed presets version 2, 3796 lm, 32 W, 119 lm/W, 4000 K, (0.380, 0.380) SDCM <5, CRI70, Distribution wide 10, IP66 | Dust penetration-protected, jet-proof, IK09 | 10 J, Safety class II, Surge protection level until 10 kV differential mode and 10 kV common mode, Cable 1.0 m with plug Wieland/Adels compatible 2-pole, External connector

General Information

Lamp family code	LED53 [LED module 5300 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

Light Technical

Upward light output ratio	0.03
Luminous Flux	3,796 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	119 lm/W
Color rendering index (CRI)	70
Number of light sources	20
Light source color	740 neutral white
Luminaire light beam spread	52° - 7° x 151°
Optic type outdoor	Distribution wide 10
Effective projected area	0.15 m²

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	32 W
Average CLO power consumption	32.5 W
End CLO power consumption	33 W
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	32 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 10 kV differential mode and 10 kV common mode

Controls and Dimming

Dimmable	No
Driver/power unit/ transformer	Power supply unit regulating external with constant light output
Control interface	-
Constant light output	Yes
DALI Standard	DALI-2™
Maximum dim level	Not applicable
Embedded control	Constant light output and DynaDimmer fixed presets version 2

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
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	IK09 [10 J]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Flat glass
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.
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) at median useful life* 100000 h	L100

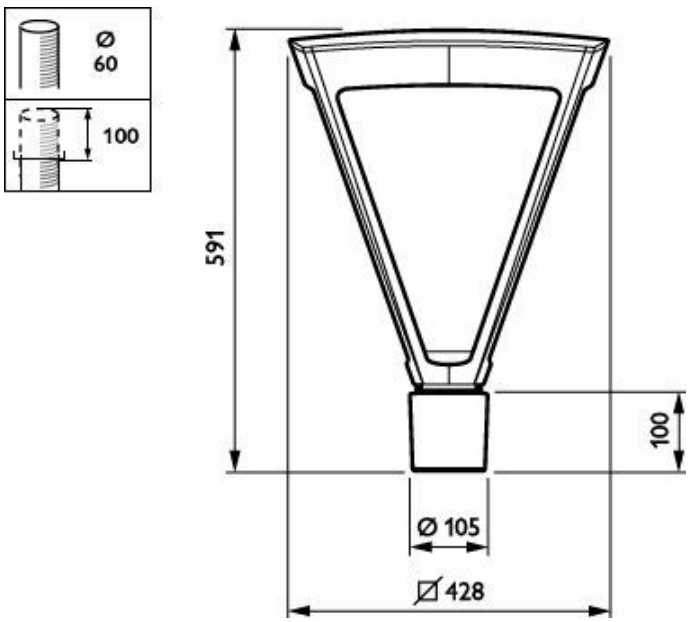
Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	209 kg CO_2e
Product non-virgin material ratio	6.35 %
Recyclable content ratio of the finished product	50.4 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

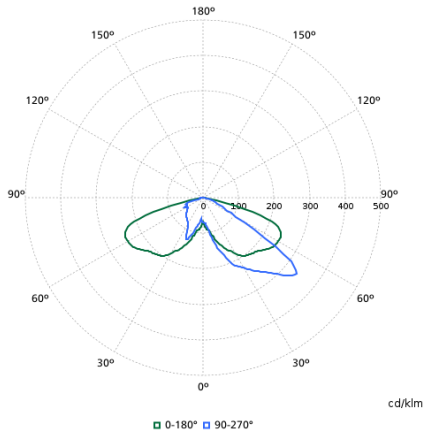
Product Data

Order product name	BDP794 LED53-4S/740 II DW10 MK-WH FG BK
Full product name	BDP794 LED53-4S/740 II DW10 MK-WH FG BK
Full product code	871869911689700
Order code	912300023859
Material Nr. (12NC)	912300023859
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699116897
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699116897
Product family code	BDP794 [CLASSICSTREET TOP]

Dimensional drawing



Polar normal diagrams



Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	443000020783-583-ClassicStreet-INI.pdf	Download
Tender text	Tender_Text_912300023859_en_SA.txt	Download

Photometry and lighting design	Document Name	Download
LDT File	LDT File - BDP794I - 912300023859.ldt	Download
ROLF File	ROLF File - BDP794I - 912300023859.rolfz	Download
ULD File	ULD File - BDP794I - 912300023859.uld	Download

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