



UrbanFlex

BPP729 LED20-4S/722 II PSD D9 DM11 FG DG

BPP729 | UrbanFlex micro, LED20 | LED Module 2000 lm, LED, 722 warm white, Power supply unit with DALI interface, 220-240 V, 50 to 60 Hz, Safety class II, Distribution medium 11, Flat glass, Gray, Luminaire surge protection level until 6 kV differential mode and 6 kV common mode, Post-top for diameter 60 mm

Cities want to be attractive, welcoming, and safe places where residents thrive, businesses prosper, and people love to visit. It's the reason we designed Philips UrbanFlex - a flexible street lighting solution for all types of urban applications. UrbanFlex is designed for customers looking for ways to achieve uniformity in design and quality of light with elegant, energy efficient and sustainable products. The UrbanFlex signature style is modern and flawless to give your cityscape a visually coherent, elegant and distinctive identity. Available in two popular sizes, it also comes with a range of mountings and dedicated brackets and poles. And because we're conscious about the impact of light on the environment and biodiversity, we have also equipped UrbanFlex with our dedicated light recipe to preserve dark skies. Thanks to the built in Philips LEDGINE-O platform, and the wide range of application-tailored optics, UrbanFlex delivers best-in-class performance in a broad range of city lighting applications. By being System Ready, this luminaire offers connectivity and dimming options, while it can be paired with lighting management systems like Interact, and any existing and upcoming sensors innovations. In addition, every UrbanFlex luminaire is uniquely identifiable, thanks to the Signify Service tag app, making maintenance and programming operations faster and easier, and enabling you to create a digital library of lighting assets and spare parts.

Product data

General information		Light source replaceable	
Lamp family code	LED20 [LED Module 2000 lm]	Number of gear units	1 unit

Driver included	Yes
Light source engine type	LED
Service tag	Yes
Product family code	BPP729 [UrbanFlex micro]
Lighting Technology	LED
Value ladder	Performance

Light Technical

Upward light output ratio	0.01
Luminous Flux	1,760 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Luminous Efficacy (rated) (Nom)	100 lm/W
Correlated Color Temperature (Nom)	2200 K
Color rendering index (CRI)	70
Light source color	722 warm white
Optical cover type	Flat glass
Luminaire light beam spread	-
Optic type outdoor	Distribution medium 11

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	12 A
Inrush time	0.27 ms
Power Consumption	17.6 W
Power Factor (Fraction)	0.99
Connection	Internal connector
Cable	-
Number of products on MCB of 16 A type B	48

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Acrylate
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Post-top for diameter 60 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	522 mm

Overall width	260 mm
Overall height	138 mm
Effective projected area	0.0246 m ²
Dimensions (Height x Width x Depth)	138 x 260 x 522 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 6 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.5020, 0.4156) 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 at median useful life* 100000 h	L96

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BPP729 LED20-4S/722 II PSD D9 DM11 FG DG
Full product name	BPP729 LED20-4S/722 II PSD D9 DM11 FG DG
Full product code	871951424066700
Order code	912300060116
Material Nr. (12NC)	912300060116
Numerator - Quantity Per Pack	1
Net Weight (Piece)	5.700 kg
EAN/UPC - Product/Case	8719514240667
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514240667

Dimensional drawing

