



UrbanFlex

BRP729 LED20-4S/727 II PSD D9 DS51 FG DG

UrbanFlex, Urban road & street light, 15.2 W, 1660 lm, 2700 K, CRI70, DALI, Distribution symmetrical DS51, Safety class II, IP66, SRG6-6

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 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 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		Driver included	Yes
Lamp family code	LED20 [LED Module 2000 lm]	Light source engine type	LED
Light source replaceable	Yes	Service tag	Yes
Number of gear units	1 unit	Lighting Technology	LED

Value ladder	Performance
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Unclassified

Light Technical

Upward light output ratio	0.01
Luminous Flux	1,660 lm
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	109 lm/W
Color rendering index (CRI)	70
Light source color	727 warm white
Luminaire light beam spread	-
Optic type outdoor	Distribution symmetrical DS51
Effective projected area	0.0246 m ²

Sustainability Data

Product non-virgin material ratio	49.4 %
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)

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	15.2 W
Power Factor (Fraction)	0.98
Connection	Internal connector
Cable	-
Number of products on MCB of 16 A type B	48
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 6 kV common mode

Controls and Dimming

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

DALI Standard	DALI-2™
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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	Side-entry for diameter 60 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	522 mm
Overall width	260 mm
Overall height	74 mm
Dimensions (Height x Width x Depth)	74 x 260 x 522 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)	5.000 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.4577, 0.4098) 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	L96

Product Data

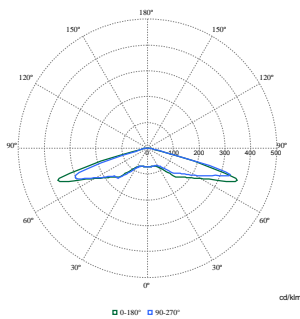
Order product name	BRP729 LED20-4S/727 II PSD D9 DS51 FG DG
Full product name	BRP729 LED20-4S/727 II PSD D9 DS51 FG DG

Full product code	871951424065000
Order code	24065000
Material Nr. (12NC)	912300060115
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514240650

Numerator - Packs per outer box	1
EAN/UPC - Case	8719514240650
Product family code	BRP729 [UrbanFlex micro]

Dimensional drawing

Photometric data



Polar Normal (separate) - BGP729I - 912300060115

