



# UrbanMoon

## BSS791 GRN80/830 II DSW CLO

URBANMOON, LED GreenLine 8000 lm, 830 warm white, Safety class II, Distribution wide, Luminaire surge protection level until 6 kV differential mode and 8 kV common mode, Catenary bracket

For urban municipalities looking for lighting solutions that combine functional road lighting and beautiful design, UrbanMoon is the perfect solution. With our LEDgine platform ensuring the desired light distribution, all functional lighting requirements can be met. Visually, UrbanMoon blends in with the city's architecture during the day – and at night the glow effect highlights its iconic design.

### Product data

General Information			
Lamp family code	GRN80 [LED GreenLine 8000 lm]	Product family code	BSS791 [URBANMOON]
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	1 unit	Flammability mark	For mounting on normally flammable surfaces
Driver included	Yes	CE mark	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	ENEC mark	-
Light source engine type	LED	Warranty period	5 years
		EU RoHS compliant	Yes
		Light Technical	
		Upward light output ratio	0
		Luminous Flux	8,000 lm
		Standard tilt angle posttop	0°
		Standard tilt angle side entry	0°
		Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	91 lm/W

Color rendering index (CRI)	≥80
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution wide

#### Operating and Electrical

Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	66 W
Average CLO power consumption	73 W
End CLO power consumption	80 W
Inrush current	6 A
Inrush time	0.8 ms
Power Consumption	66 W
Power Factor (Fraction)	0.9
Connection	-
Cable	-
Number of products on MCB of 16 A type B	21

#### Temperature

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

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

#### Mechanical and Housing

Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Opal
Mounting device	Catenary bracket
Optical cover shape	Flat

Optical cover finish	Clear
Overall height	310 mm
Overall diameter	460 mm
Effective projected area	0.1 m <sup>2</sup>

#### Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class II

#### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.434, 0.403) 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	L100

#### Application Conditions

Performance ambient temperature Tq	25 °C
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#### Product Data

Order product name	BSS791 GRN80/830 II DSW CLO
Full product name	BSS791 GRN80/830 II DSW CLO
Full product code	871869685674100
Order code	919008630993
Material Nr. (12NC)	919008630993
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696856741
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696856741

## Dimensional drawing

