



# **Urban Moon**

## 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]
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. $^{\ast}$ At
	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components
Light source engine type	LED

BSS791 [URBANMOON]
LED
For mounting on normally flammable
surfaces
Yes
-
5 years
Yes
0
8,000 lm
0°
0°
3000 K
91 lm/W

Datasheet, 2023, September 4 data subject to change

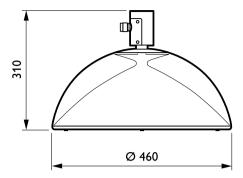
### **UrbanMoon**

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	21
В	
Temperature	
Ambient temperature range	-40 to +50 °C
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 Compl	iant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L100
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
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

### UrbanMoon

#### Dimensional drawing





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