



# **CristalCity**

### BDS798 LED71-4S/740 II DW50 SPP GR C5K

Cristal City, LED module 7100 lm, LED, 740 neutral white, Power supply unit (On/Off), 220 to 240 V, 50 to 60 Hz, Safety class II, Distribution wide 50, Polycarbonate bowl/cover clear, Grey, Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode, Cable 5.0 m without plug, Spigot for diameter 60 mm

The innovative CristalCity combines comfortable, high-efficiency lighting with a refined visual personality. Designed for installation heights of 3.5 to 5 m, this stylish, modern fixture enhances the ambiance in any streetscape, be it historical or contemporary. CristalCity has an exclusive light signature: the concentrated light beams create a hologram effect that animates differently depending on your perspective. A wide selection of visual-comfort elements ensures glare-free illumination. CristalCity represents a future-proof investment. The dome of the luminaire, which incorporates the LED module and the driver, is fully replaceable so you can benefit from future developments in LEDs and their associated efficiencies. CristalCity uses the high-performance LED engine with latest LED performance and a wide range of optics to the latest standards.

#### **Product data**

General Information	
Lamp family code	LED71 [LED module 7100 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based

Light source engine type	LED
	value.
	useful life (B50) value also represents the B10
	example, the B10. Therefore, the median
	maintenance between the B50 and, for
	is no relevant difference in lumen
	luminaires – January 2018': statistically there

Datasheet, 2023, April 30 data subject to change

# CristalCity

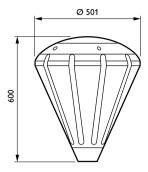
Product family code	BDS798 [Cristal City]
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	Yes
Light Technical	
Upwards light output ratio	0.03
Luminous Flux	6,192 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	-
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	141 lm/W
Colour rendering index (CRI)	≥70
Light source colour	740 neutral white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	23° - 8° x 152°
Optic type outdoor	Distribution wide 50
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	45 A
Inrush time	0.285 ms
Power Consumption	44 W
Power Factor (Fraction)	0.98
Connection	-
Cable	Cable 5.0 m without plug
Number of products on MCB of 16 A type	16
В	
Temperature	
Ambient temperature range	-10 to +25 ℃
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Machanical and Housing	
Mechanical and Housing	
Housing material	Polycarbonate
	Polycarbonate Polycarbonate

Optical cover/lens material	Polymethyl methacrylate
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Spigot for diameter 60 mm
Optical cover/lens shape	Wide
Optical cover/lens finish	Clear
Overall height	600 mm
Overall diameter	501 mm
Effective projected area	0.193 m²
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV
	differential mode and 6 kV common mode
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.380, 0.390) 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 100,000 h	
Lumen maintenance at median useful	L92
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Product Data	
Order product name	BDS798 LED71-4S/740 II DW50 SPP GR C5K
Full product name	BDS798 LED71-4S/740 II DW50 SPP GR C5K
Full EOC	871869945045800
Order code	45045800
Material no. (12 NC)	912300023993
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699450458
Numerator – packs per outer box	1
EAN/UPC - Case	8718699450458

## **CristalCity**

#### Dimensional drawing







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