



# Micenas LED

## BDP791 LED80-4S/830 DM70 GF BK 60

IJM-1, LED module 8000 lm, 830 warm white, Power supply unit (On/Off), Safety class I, Distribution medium 70, Glass frosted flat, Black

Combining contemporary aesthetics and classical inspiration, Micenas gen2 LED is an elegant presence in both modern and traditional urban settings. With its 2nd-generation LED module, Micenas gen2 LED ensures a higher light output over an extended service life and higher energy efficiency. The Eco-designed luminaire has retained its original avant-garde form and provides comfortable ambiance lighting. The housing has a textured black finish that underlines the luminaire's timeless shape, which blends in harmoniously with walls and facades. And a number of dedicated brackets are available, ensuring the decorative integration of luminaire and pole.

### Product data

General Information			
Lamp family code	LED80 [LED module 8000 lm]		might automatically dim down to protect components
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BDP791 [IJM-1]
Driver included	Yes	Lighting Technology	LED
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	Value ladder	Performance
		CE mark	Yes
		Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes

## Micenas LED

### Light Technical

Upward light output ratio	0.03
Luminous Flux	5,967 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	79 lm/W
Color rendering index (CRI)	≥80
Light source color	830 warm white
Optical cover type	Glass frosted flat
Luminaire light beam spread	120° x 120°
Optic type outdoor	Distribution medium 70

### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	80 A
Inrush time	150 ms
Power Consumption	76 W
Power Factor (Fraction)	0.81
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	11

### Temperature

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

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

### Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Black
Mounting device	Post-top for diameter 60 mm

Optical cover shape	Flat
Optical cover finish	Frosted
Overall length	385 mm
Overall width	385 mm
Overall height	561 mm
Effective projected area	0.102 m²
Dimensions (Height x Width x Depth)	561 x 385 x 385 mm

### Approval and Application

Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
Protection class IEC	Safety class I

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.433, 0.403) SDCM <3
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	L95

### Application Conditions

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

Order product name	BDP791 LED80-4S/830 DM70 GF BK 60
Full product name	BDP791 LED80-4S/830 DM70 GF BK 60
Full product code	871869910897700
Order code	10897700
Material Nr. (12NC)	912300023783
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699108977
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699108977

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### Dimensional drawing

