



Jargeau 400 LED

BPP641 LED80-4S/830 PSU DM70 GF BK 60

JARGEAU 400 GEN2 LED, LED module 8000 lm, 830 warm white, Safety class I, Distribution medium 70, Glass frosted, Black, Post-top for diameter 60 mm

Jargeau 400 LED combines the symbolic features of the first four-sided street lamps of the 19th century with the technical performance of 21st century luminaires. It incorporates the energy-efficient LEDGINE - O engine with high-performance optics, while at the same time retaining the character of the original four-sided fixture. Designed for installation at heights of 4-6 meters, this luminaire is well suited to urban landscapes and ideal for illuminating city centers, historical areas, old villages, streets, alleys, squares and parks. Jargeau 400 LED can also enable the benefits of the latest technologies developed by Philips Lighting, including the CityTouch connected lighting system.

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	BPP641 [JARGEAU 400 GEN2 LED]
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	CE mark	Yes
		Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark
		EU RoHS compliant	Yes
Light Technical			
		Upward light output ratio	0.03

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Luminous Flux	4,240 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	71 lm/W
Color rendering index (CRI)	≥80
Number of light sources	40
Light source color	830 warm white
Optical cover type	Glass frosted
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	46 A
Inrush time	0.25 ms
Power Consumption	60 W
Power Factor (Fraction)	0.98
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
Fixation diameter	Mounting device diameter 60 mm
Overall length	400 mm
Overall width	400 mm
Overall height	844 mm
Effective projected area	0.13 m²
Dimensions (Height x Width x Depth)	844 x 400 x 400 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	4/4 kV
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	91

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BPP641 LED80-4S/830 PSU DM70 GF BK 60
Full product name	BPP641 LED80-4S/830 PSU DM70 GF BK 60
Full product code	871869910889200
Order code	10889200
Material Nr. (12NC)	912300023775
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699108892
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699108892

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Dimensional drawing

