



# GrandeVille LED

## BPS962 LED45/830 A DF CLO-DDF6 C4K

Grandville LED, LED GreenLine 4500 lm, LED, 830 warm white, Power supply unit regulating, 220 to 240 V, 50 to 60 Hz, Safety class II, Asymmetrical, Polycarbonate bowl/cover, Gray, Philips standard surge protection level, Cable 4.0 m without plug, Post-top for diameter 60 mm

Today's customers want luminaires that provide both energy efficiency and a visually-comfortable light effect. Philips GrandeVille LED luminaires offer the perfect combination of functional and aesthetical characteristics. A classic design, clean lines and robust materials make this LED lighting ideal for all urban settings. The luminaire is well shielded and delivers clear white light, creating a pleasant ambience at the same time as enabling good energy savings. GrandeVille LED luminaires (BPS962) are suitable for mounting on poles or wall brackets. They are also available with a choice of rotation-symmetric light distribution or asymmetric light distribution, which prevents undesired spill light from this classic street lighting. A cover is available in gray or white, which must be ordered separately.

### Product data

General Information			
Lamp family code	GRN45 [LED GreenLine 4500 lm]	example B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Light source replaceable	Yes		
Number of gear units	1 unit		
Driver included	Yes	Light source engine type	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	Product family code	BPS962 [Grandville LED]
		Lighting Technology	LED
		Value ladder	Value
		CE mark	Yes
		Warranty period	5 years
		Flammability mark	-

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ENEC mark	-
EU RoHS compliant	Yes

## Light Technical

Upward light output ratio	0.2
Luminous Flux	1,868 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	64 lm/W
Color rendering index (CRI)	>80
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	-
Optic type outdoor	Asymmetrical

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	29.2 W
Average CLO power consumption	33.3 W
End CLO power consumption	37.4 W
Inrush current	12 A
Inrush time	0.27 ms
Power Consumption	29.2 W
Power Factor (Fraction)	0.99
Connection	Flying leads/wires
Cable	Cable 4.0 m without plug
Number of products on MCB of 16 A type B	30

## Temperature

Ambient temperature range	-30 to +25 °C
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## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	Yes

## Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray

Mounting device	Post-top for diameter 60 mm
Optical cover shape	Cylinder/cylindrical
Optical cover finish	Clear
Overall height	440 mm
Overall diameter	600 mm
Effective projected area	0.09 m²

## Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Philips standard surge protection level
Sustainability rating	-
Protection class IEC	Safety class II

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.4338, 0.4030) 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* 50000 h	L100
Lumen maintenance at median useful life* 100000 h	L100

## Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

## Product Data

Order product name	BPS962 LED45/830 A DF CLO-DDF6 C4K
Full product name	BPS962 LED45/830 A DF CLO-DDF6 C4K
Full product code	871869625373100
Order code	919008630823
Material Nr. (12NC)	919008630823
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696253731
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696253731

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### Dimensional drawing

