

GrandeVille LED

BPS962 LED49/840 LO-O CLO-DDF6 C4K

Grandville LED, LED GreenLine 4900 lm

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	GRN49 [LED GreenLine 4900 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.
Light source engine type	LED
Product family code	BPS962 [Grandville LED]
Lighting Technology	LED

Value ladder	Value
Embedded control	Constant light output and DynaDimmer fixed presets version 6
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0.25
Luminous Flux	2,290 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	75 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Light source color	840 neutral white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	-
Optic type outdoor	Symmetrical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	30.6 W
Average CLO power consumption	35 W
End CLO power consumption	39.3 W
Inrush current	12 A
Inrush time	0.27 ms
Power Consumption	30.6 W
Power Factor (Fraction)	0.98
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

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	(0.3818, 0.3797) 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

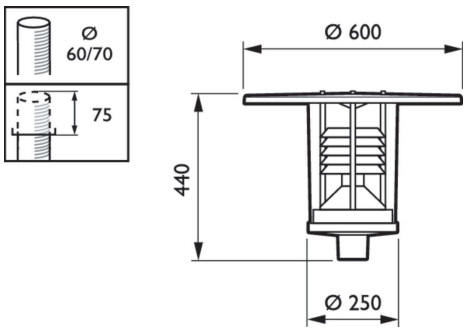
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BPS962 LED49/840 LO-O CLO-DDF6 C4K
Full product name	BPS962 LED49/840 LO-O CLO-DDF6 C4K
Full product code	871829198734500
Order code	919008630457
Material Nr. (12NC)	919008630457
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291987345
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291987345

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Dimensional drawing



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