GrandeVille LED

BPS962 LED29/830 LO CLO-DDF6 C4K

Grandville LED, LED GreenLine 2900 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	GRN29 [LED GreenLine 2900 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

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	0.15
Luminous Flux	1,225 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

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Correlated Color Temperature (Nom)	3000 K		Overall height	440 mm
Luminous Efficacy (rated) (Nom)	66 lm/W		Overall diameter	600 mm
Color rendering index (CRI)	>80		Effective projected area	0.09 m²
Number of light sources	1			
Light source color	830 warm white		**Approval and Application**	
Optical cover type	Polycarbonate bowl/cover		Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Luminaire light beam spread	–			
Optic type outdoor	Symmetrical		Mech. impact protection code	IK10 [20 J vandal-resistant]
			Surge Protection (Common/Differential)	Philips standard surge protection level
Operating and Electrical			Sustainability rating	–
Input Voltage	220 to 240 V		Protection class IEC	Safety class II
Line Frequency	50 to 60 Hz			
Initial CLO power consumption	18.4 W		**Initial Performance (IEC Compliant)**	
Average CLO power consumption	21 W		Luminous flux tolerance	+/-7%
End CLO power consumption	23.6 W		Initial chromaticity	(0.4338, 0.4030) SDCM <3
Inrush current	12 A		Power consumption tolerance	+/-10%
Inrush time	0.27 ms		Init. Color Rendering Index Tolerance	+/-2
Power Consumption	18.4 W			
Power Factor (Fraction)	0.97		**Over Time Performance (IEC Compliant)**	
Connection	Flying leads/wires		Control gear failure rate at median useful life 100000 h	10 %
Cable	Cable 4.0 m without plug			
Number of products on MCB of 16 A type B	30		Lumen maintenance at median useful life* 50000 h	L100
Temperature			Lumen maintenance at median useful life* 100000 h	L100
Ambient temperature range	–30 to +25 °C			
			Application Conditions	
Controls and Dimming			Performance ambient temperature Tq	25 °C
Dimmable	Yes		Maximum dim level	Not applicable
Driver/power unit/transformer	Power supply unit regulating			
Control interface	–		**Product Data**	
Constant light output	Yes		Order product name	BPS962 LED29/830 LO CLO-DDF6 C4K
			Full product name	BPS962 LED29/830 LO CLO-DDF6 C4K
Mechanical and Housing			Full product code	871829156335800
Housing Material	Aluminum		Order code	919008630303
Reflector material	–		Material Nr. (12NC)	919008630303
Optic material	Polycarbonate		Numerator – Quantity Per Pack	1
Optical cover material	Polycarbonate		EAN/UPC – Product/Case	8718291563358
Fixation material	Aluminum		Numerator – Packs per outer box	1
Housing Color	Gray		EAN/UPC – Case	8718291563358
Mounting device	Post-top for diameter 60 mm			
Optical cover shape	Cylinder/cylindrical			
Optical cover finish	Clear			

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Dimensional drawing