CoreLine SlimDownlight

DN135B LED6S/830 PSR-E II WH

CoreLine SlimDownlight, 9 W, D68mm, 650 lm, 3000 K, Analog, Frosted, IP44

CoreLine SlimDownlight is a range of ultra-thin recessed luminaires designed to replace downlight luminaires based on CFL-ni/CFL-I lamp technology. The product's attractive TCO makes it easy for customers to make the switch to LED. CoreLine SlimDownlight delivers a natural 'surface of light' effect for use in general lighting applications. It also offers instant energy savings and a much longer lifetime, making it a real value-for-money and environmentally friendly solution. Installation is easy, as the luminaire fits the same size of cut-out and has an extremely small build-in depth.

Product data

General Information

Lamp family code	LED6S [LED Module, system flux 600 lm]
Light source replaceable	No
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.
Service tag	Yes

Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	–
ENEC mark	–
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	650 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	72 lm/W

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Color rendering index (CRI)	>80
Number of light sources	1
Light source color	830 warm white
Optic type	–
Optical cover type	Opal
Luminaire light beam spread	135°
Unified glare rating CEN	28

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	7 A
Inrush time	300 ms
Power Consumption	9 W
Power Factor (Fraction)	0.9
Connection	Push-in connector with 2 poles and pull relief
Cable	–
Number of products on MCB of 16 A type B	32

Temperature

Ambient temperature range	0 to +35 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating external
Control interface	Analog
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	White

Optical cover finish	Frosted
Overall height	20 mm
Overall diameter	84 mm

Approval and Application

Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.42, 0.40) SDCM <5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

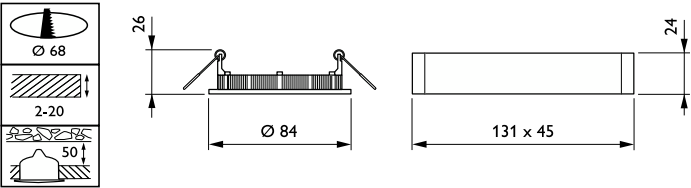|	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	20% (depends on dimmer, ELV)
Suitable for random switching	Yes

Product Data

Order product name	DN135B LED6S/830 PSR-E II WH
Full product name	DN135B LED6S/830 PSR-E II WH
Full product code	871869938117299
Order code	38117299
Material Nr. (12NC)	910503910317
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699381172
Numerator – Packs per outer box	24
EAN/UPC – Case	8718699381189

Dimensional drawing

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