



CoreLine Downlight

DN131B LED20S/830 PSED-E II ALU

CoreLine Downlight ALU, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, Safety class II, Aluminum

CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for one-to-one conventional luminaire replacements, with an attractive TCO that helps customers to make the switch to LED. These recessed downlights create uniform light distribution for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally-friendly solution. CoreLine DN140B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An InterAct Ready option with integrated wireless communications is available in this family, which can be used with InterAct gateways, sensors and software.

Product data

General Information		Product family code	DN131B [CoreLine Downlight ALU]
Lamp family code	LED20S [LED Module, system flux 2000 lm]	Lighting Technology	LED
Light source replaceable	No	Value ladder	Performance
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
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.	Flammability mark	For mounting on normally flammable surfaces
		ENEC mark	-
		Glow-wire test	Temperature 850 °C, duration 5 s
		EU RoHS compliant	Yes

CoreLine Downlight

Light Technical	
Luminous Flux	2,100 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	95 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	830 warm white
Optic type	Wide beam
Optical cover type	Acrylic bowl/cover frosted
Luminaire light beam spread	60°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	20.4 A
Inrush time	195 ms
Power Consumption	22 W
Power Factor (Fraction)	0.95
Connection	Plug-in connector 3-pole Wago
Cable	-
Number of products on MCB of 16 A type B	24
Temperature	
Ambient temperature range	-10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface, DC compatible, external
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Aluminum
Optical cover material	Polycarbonate

Fixation material	Steel
Housing Color	Aluminum
Optical cover finish	Frosted
Overall height	109 mm
Overall diameter	216 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
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	(0.43, 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	1%
Suitable for random switching	Yes
Product Data	
Order product name	DN131B LED20S/830 PSED-E II ALU
Full product name	DN131B LED20S/830 PSED-E II ALU
Full product code	871869685229300
Order code	910500457707
Material Nr. (12NC)	910500457707
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696852293
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696852293

CoreLine Downlight

Dimensional drawing

