PHILIPS Lighting



CoreLine Downlight

DN131B LED20S/840 PSED-E IP44 II ALU

CoreLine Downlight ALU, LED Module, system flux 2000 lm, 840 neutral white, Power supply unit with DALI interface, DC compatible, external, Safety class II, Wire-protected, splashproof, 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 oneto-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	
Lamp family code	LED20S [LED Module, system flux 2000 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. Product family code DN131B [CoreLine Downlight ALU] Lighting Technology LED Value ladder Performance CE mark Yes Warranty period 5 years Flammability mark For mounting on normally flammable surface ENEC mark - Glow-wire test Temperature 850 °C, duration 5 s		
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Value ladder Performance CE mark Yes Warranty period 5 years Flammability mark For mounting on normally flammable surface ENEC mark -	Product family code	DN131B [CoreLine Downlight ALU]
CE mark Yes Warranty period 5 years Flammability mark For mounting on normally flammable surface ENEC mark -	Lighting Technology	LED
Warranty period 5 years Flammability mark For mounting on normally flammable surface ENEC mark -	Value ladder	Performance
Flammability mark For mounting on normally flammable surface ENEC mark -	CE mark	Yes
ENEC mark -	Warranty period	5 years
	Flammability mark	For mounting on normally flammable surfaces
Glow-wire test Temperature 850 °C, duration 5 s	ENEC mark	-
	Glow-wire test	Temperature 850 °C, duration 5 s

CoreLine Downlight

Cable

Temperature

Dimmable

Control interface

Housing Material

Reflector material

Optic material

Constant light output

Ambient temperature range

Controls and Dimming

Driver/power unit/transformer

Mechanical and Housing

в

Number of products on MCB of 16 A type 24

EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,100 lm
Correlated Color Temperature (Nom)	4000 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	840 neutral 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

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-10 to +40 °C

compatible, external

Polycarbonate

Polycarbonate

Aluminum

Power supply unit with DALI interface, DC

Yes

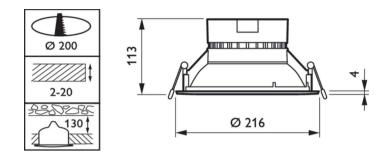
DALI

No

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	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	(0.38, 0.37) SDCM <5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	oliant)
Control gear failure rate at median usefu	ıl 5%
life 50000 h	
Lumen maintenance at median useful	L70
life* 50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	DN131B LED20S/840 PSED-E IP44 II ALU
Full product name	DN131B LED20S/840 PSED-E IP44 II ALU
Full product code	871869687896500
Order code	910500458093
Material Nr. (12NC)	910500458093
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696878965
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696878965

CoreLine Downlight

Dimensional drawing





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