



CoreLine Downlight

DN131B LED20S/840 PSU PI6 ALU

CoreLine Downlight ALU - LED Module, system flux 2000 lm - 840 neutral white - Power supply unit - Finger-protected - Aluminium

The CoreLine Downlight range of recessed luminaires is designed to replace CFL-ni/CFL-i based downlight luminaires. Their attractive TCO helps customers to make the switch to LED. These luminaires create a natural lighting effect 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. They are easy to install thanks to their standard cut-out size and push-in connectors.

Product data

General Information		Operating and Electrical	
Number of light sources	1 [1 pc]	CE mark	CE mark
Lamp family code	LED20S [LED Module, system flux 2000 lm]	ENEC mark	-
Beam angle of light source	120 °	Constant light output	No
Light source colour	840 neutral white	Number of products on MCB	15
Light source replaceable	No	RoHS mark	RoHS mark
Number of gear units	1 unit	Product Family Code	DN131B [CoreLine Downlight ALU]
Driver/power unit/transformer	PSU [Power supply unit]		
Driver included	Yes	Input voltage	220 to 240 V
Optic type	WB [Wide beam]	Input frequency	50 to 60 Hz
Optical cover/lens type	ACF [Acrylic bowl/cover frosted]	Inrush current	16 A
Luminaire light beam spread	60°	Inrush time	0.32 ms
Connection	Push-in connector 6-pole	Power factor (min.)	0.9
Cable	-		
Protection class IEC	Safety class I	Controls and Dimming	
Glow-wire test	Temperature 850 °C, duration 5 s	Dimmable	No
Flammability mark	F [For mounting on normally flammable surfaces]		

CoreLine Downlight

Mechanical and Housing

Housing material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Aluminum
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens 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]

Initial Performance (IEC Compliant)

Initial luminous flux	2100 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	95 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	80
Initial chromaticity	(0.38, 0.37) SDCM <5
Initial input power	22 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	1.5 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

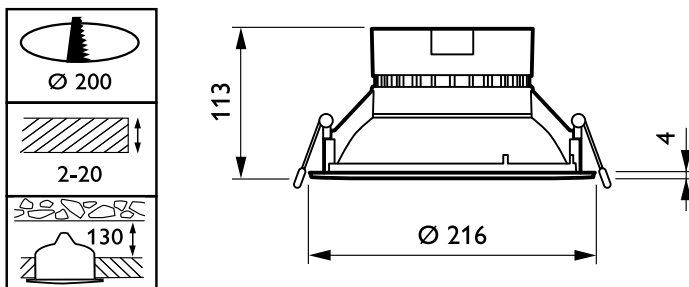
Application Conditions

Ambient temperature range	-10 to +40 °C
Average ambient temperature	25 °C
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

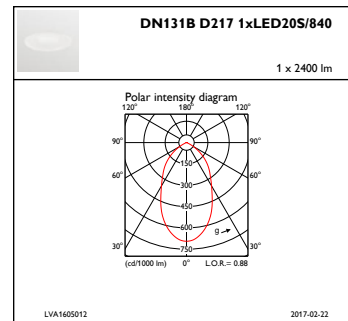
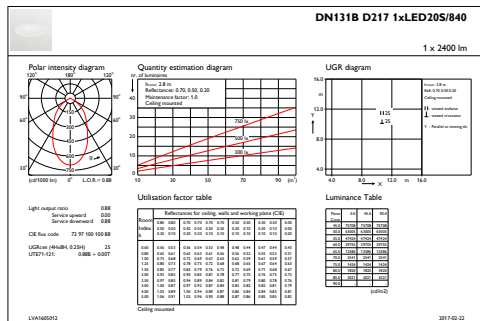
Full product code	871869685275000
Order product name	DN131B LED20S/840 PSU PI6 ALU
EAN/UPC – product	8718696852750
Order code	85275000
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910500457730
Net weight (piece)	0.700 kg

Dimensional drawing



CoreLine Downlight DN130B/DN131B

Photometric data



IFGU1_DN131BD2171xLED20S840

IFPC1_DN131BD2171xLED20S840

