![Philips Lighting logo]

CoreLine Downlight

DN131B LED10S/840 PSU IP44 PI6 ALU

CoreLine Downlight ALU, LED Module, system flux 1000 lm, 840 neutral white, Power supply unit (On/Off), Wire-protected, splash-proof, Push-in connector 6-pole, 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

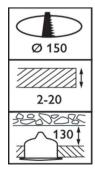|			
Lamp family code	LED10S [LED Module, system flux 1000 lm]	**Product family code**	DN131B [CoreLine Downlight ALU]
Light source replaceable	No	**Lighting Technology**	LED
Number of gear units	1 unit	**Value ladder**	Performance
Driver included	Yes	**CE mark**	Yes
Remarks	*-Per Lighting Europe guidance 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.	**Warranty period**	5 years
		Flammability mark	For mounting on normally flammable surfaces
		ENEC mark	–
		Glow-wire test	Temperature 850 °C, duration 5 s
		EU RoHS compliant	Yes

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Light Technical

Luminous Flux	1,100 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 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	79°
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	16 A
Inrush time	0.5 ms
Power Consumption	11 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 6-pole
Cable	–
Number of products on MCB of 16 A type B	30

Temperature

Ambient temperature range	–10 to +40 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
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	99 mm
Overall diameter	166 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 I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(0.38, 0.37) 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
Suitable for random switching	Yes

Product Data

Order product name	DN131B LED10S/840 PSU IP44 PI6 ALU
Full product name	DN131B LED10S/840 PSU IP44 PI6 ALU
Full product code	871869687890300
Order code	910500458087
Material Nr. (12NC)	910500458087
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696878903
Numerator – Packs per outer box	1
EAN/UPC – Case	8718696878903

Dimensional drawing

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