# **PHILIPS** Lighting



# **CoreLine Downlight**

# DN131B LED10S/840 PSED-E II ALU

CoreLine Downlight ALU, LED Module, system flux 1000 lm, 840 neutral 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 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	LED10S [LED Module, system flux 1000 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
	surfaces
ENEC mark	-
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes

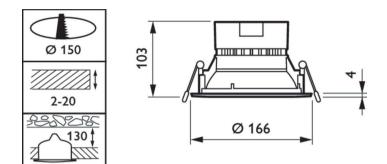
### **CoreLine Downlight**

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	20.4 A
Inrush time	195 ms
Power Consumption	11 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wago
Cable	-
Number of products on MCB of 16 A type	24
В	
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	99 mm
Overall diameter	166 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	(0.38, 0.37) SDCM <5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	liant)
Control gear failure rate at median useful	
life 50000 h	
Lumen maintenance at median useful	L70
life* 50000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Maximum dim level	1%
Maximum dim level Suitable for random switching	1%
Maximum dim level Suitable for random switching Product Data	1% Yes
Maximum dim level Suitable for random switching Product Data Order product name	1% Yes DN131B LED10S/840 PSED-E II ALU
Maximum dim level Suitable for random switching Product Data Order product name Full product name	1% Yes DN131B LED10S/840 PSED-E II ALU DN131B LED10S/840 PSED-E II ALU
Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code	1% Yes DN131B LED10S/840 PSED-E II ALU DN131B LED10S/840 PSED-E II ALU 871869685274300
Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	1% Yes DN131B LED105/840 PSED-E II ALU DN131B LED105/840 PSED-E II ALU 871869685274300 910500457729
Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	1% Yes DN131B LED105/840 PSED-E II ALU DN131B LED105/840 PSED-E II ALU 871869685274300 910500457729 910500457729
Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	1% Yes DN131B LED10S/840 PSED-E II ALU DN131B LED10S/840 PSED-E II ALU 871869685274300 910500457729 910500457729 1

## **CoreLine Downlight**

#### Dimensional drawing





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