# **PHILIPS** Lighting



# **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 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.

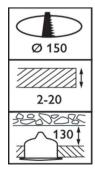
Product family code	DN131B [CoreLine Downlight ALU]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	-
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes

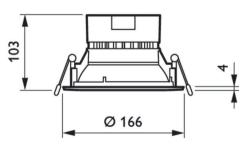
### **CoreLine Downlight**

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	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	30
В	
Tomporaturo	
Temperature Ambient temperature range	-10 to +40 °C
Amorent temperature fallge	
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         Ingress protection code       IP44 [Wire-protected, splash-proof]         Mech. impact protection code       IK02 [0.2 J standard]         Protection class IEC       Safety class 1         Initial Performance (IEC Compliant)       Luminous flux tolerance         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         Lumen maintenance at median useful       5 %         life 50000 h       Lumen maintenance at median useful         L70       Iife* 50000 h         Suitable for random switching       Yes         Performance ambient temperature Tq       25 °C         Suitable for random switching       Yes         Product Data       Order product name         Order product name       DN131B LED10S/840 PSU IP44 PI6 ALU         Full product code       871869687890300 <tr< th=""><th></th><th></th></tr<>		
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       IR02 [0.2 J standard]       Protection class IEC         Safety class I       Initial Performance (IEC Compliant)       Iuminous flux tolerance       +/-10%         Initial chromaticity       (0.38, 0.37) SDCM <5       Power consumption tolerance       +/-10%         Over Time Performance (IEC Compliant)       Iumen maintenance at median useful       5 %         Lumen maintenance at median useful       L70       Iife* 50000 h         Lumen maintenance at median useful       L70       Iife* 50000 h         Application Conditions       Performance ambient temperature Tq       25 °C         Suitable for random switching       Yes       Yes         Product Data       Onder product name       DN131B LED10S/840 PSU IP44 PI6 ALU         Full product name       DN131B LED10S/840 PSU IP44 PI6 ALU       Full product code         Witerial Nr. (12NC)       910500458087	Fixation material	Steel
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         Over Time Performance (IEC Compliant)       Control gear failure rate at median useful       5 %         Uife 50000 h       Lumen maintenance at median useful       5 %         Lumen maintenance at median useful       L70         life' 50000 h       E       Performance         Performance ambient temperature Tq       25 °C         Suitable for random switching       Yes         Product Data       DN131B LED10S/840 PSU IP44 PI6 ALU         Full product name       DN131B LED10S/840 PSU IP44 PI6 ALU         Full product code       871869687890300         Order code       910500458087	Housing Color	Aluminum
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       5%       11fe 50000 h         Lumen maintenance at median useful       5%       11fe 50000 h       11fe 50000 h         Application Conditions       Performance (25 °C       25 °C         Suitable for random switching       Yes       Yes         Product Data       DN131B LED105/840 PSU IP44 PI6 ALU         Full product name       DN131B LED105/840 PSU IP44 PI6 ALU         Full product code       871869687890300         Order code       910500458087	Optical cover finish	Frosted
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Power consumption tolerance       +/-10%         Over Time Performance (IEC Compliant)         Control gear failure rate at median useful       5 %         life 50000 h         Lumen maintenance at median useful       L70         life* 50000 h         Performance at median useful       L70         Suitable for random switching       Yes         Product Data       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	Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)         Control gear failure rate at median useful       5 %         life 50000 h       Lumen maintenance at median useful       L70         life* 50000 h       25 °C         Application Conditions       Yes         Performance ambient temperature Tq       25 °C         Suitable for random switching       Yes         Product Data       DN131B LED10S/840 PSU IP44 PI6 ALU         Full product name       DN131B LED10S/840 PSU IP44 PI6 ALU         Full product code       871869687890300         Order code       910500458087	Initial chromaticity	(0.38, 0.37) SDCM <5
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Life 50000 h Lumen maintenance at median useful Life* 50000 h Life* 5000 h Life* 50000 h Life* 50000	Over Time Performance (IEC Compli	iant)
Lumen maintenance at median useful       L70         life* 50000 h	Control gear failure rate at median useful	5 %
Life* 50000 h         Application Conditions         Performance ambient temperature Tq       25 °C         Suitable for random switching       Yes         Product Data       Ves         Order product name       DN131B LED105/840 PSU IP44 PI6 ALU         Full product code       871869687890300         Order code       910500458087         Material Nr. (12NC)       910500458087	life 50000 h	
Application Conditions         Performance ambient temperature Tq       25 °C         Suitable for random switching       Yes         Product Data       Ves         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	Lumen maintenance at median useful	L70
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Material Nr. (12NC) 910500458087	Full product code	871869687890300
	Order code	910500458087
Numerator - Quantity Per Pack 1	Material Nr. (12NC)	910500458087
Numerator - Quality Fer Fack	Numerator - Quantity Per Pack	1
<b>EAN/UPC - Product/Case</b> 8718696878903		8718696878903
Numerator - Packs per outer box 1	EAN/UPC - Product/Case	
<b>EAN/UPC - Case</b> 8718696878903		1

#### Dimensional drawing





**CoreLine Downlight** 



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