



CoreLine Downlight

DN140B LED20S/840 PSU WR IP54 PI6

- 840 neutral white - Power supply unit (ON/OFF) - - - Push-in connector 6-pole - IP20/54 | Finger-protected; dust accumulation-protected, splash-proof

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	
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.

Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Light Technical	
Luminous Flux	2,200 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	119 lm/W
Color rendering index (CRI)	≥80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4

Datasheet, 2023, May 22 data subject to change

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Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	-
Luminaire light beam spread	60°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Power Consumption	19 W
End CLO power consumption	- W
Inrush current	2.2 A
Inrush time	0.045 ms
Power Factor (Fraction)	0.95
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	24
Temperature	
Ambient temperature range	-20 to +40 °C
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Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (ON/OFF)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover/lens finish	Frosted
Reflector Finish	White reflector
Overall length	0 mm
Overall width	0 mm
Overall height	108 mm
Overall diameter	216 mm
Dimensions (Height x Width x Depth)	108 x 0 x 0 mm
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Approval and Application	
Ingress protection code	IP20/54 [Finger-protected; dust
-	accumulation-protected, splash-proof]
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Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	-
Warranty period	5 years
Photobiological risk	Photobiological risk group 1 @200mm to
	EN62778
EU RoHS compliant	Yes
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.380,0.377) SDCM≦5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	nt)
Driver failure rate at 5000 h	1 %
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful life*	L70
50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes
Product Data	
Full product code	871016332601600
Order product name	DN140B LED20S/840 PSU WR IP54 PI6
EAN/UPC - Product	8710163326016
Order code	911401633105
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	
- Trainerator Trains per outer box	6
Material number (12NC)	911401633105

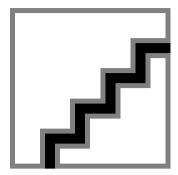
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EAN/UPC - Case

CoreLine Downlight

Dimensional drawing





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