



CoreLine Downlight

DN140B LED20S/840 C IA1

CoreLine Downlight, 22 W, D200 mm, 2200 lm, 4000 K, Wireless, Interact Ready, High-gloss reflector, Frosted, IP20

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		Lighting Technology	
Light source replaceable	No	Value ladder	Performance
Number of gear units	1 unit	Embedded control	Interact SNS210 sensor
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
Service tag	Yes	Flammability mark	For mounting on normally flammable surfaces
Product family code	DN140B [Coreline Downlight Gen4]	ENEC mark	-
Connectivity	Interact Ready	Glow-wire test	Temperature 850 °C, duration 5 s
		EU RoHS compliant	Yes
		Light Technical	
		Luminous Flux	2,200 lm

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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	≥80
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	22

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W W
Average CLO power consumption	- W W
End CLO power consumption	- W
Inrush current	12 A
Inrush time	0.25 ms
Power Consumption	22 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
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	Yes
Driver/power unit/transformer	Power supply unit with SystemReady interface, Interact ready
Control interface	Wireless
Constant light output	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Frosted

Reflector Finish	High-gloss 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

Approval and Application

Ingress protection code	IP20 [Finger-protected]
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	(0.378,0.377) SDCM≤5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1%
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
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	DN140B LED20S/840 C IA1
Full product name	DN140B LED20S/840 C IA1
Full product code	871016332615300
Order code	911401634505
Material Nr. (12NC)	911401634505
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163326153
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163326153

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Dimensional drawing

