CoreLine Downlight

DN140B LED20S/840 PSD-E C

DN140B | Coreline Downlight Gen4 - 840 neutral white - Power supply unit with DALI interface - High-gloss mirror - Push-in connector and pull relief - IP20 | Finger-protected

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

Product family code	DN140B [Coreline Downlight Gen4]
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)	107 lm/W
Color rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source color	840 neutral white

data subject to change

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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
Input Frequency	50 to 60 Hz
Initial CLO power consumption	– W
Average CLO power consumption	– W
Power Consumption	20.5 W
End CLO power consumption	– W
Inrush current	20.4 A
Inrush time	0.195 ms
Power Factor (Fraction)	0.95
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

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface external
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminium
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Fixation material	Steel
Housing Color	White
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]
Sustainability rating	–
Protection class IEC	Safety class I
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	–
Warranty period	5 years
EU RoHS compliant	Yes

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

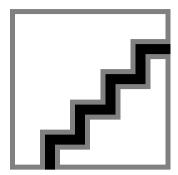|	
Full product code	871016332595800
Order product name	DN140B LED20S/840 PSD-E C
Order code	911401632505
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material number (12NC)	911401632505
Full product name	DN140B LED20S/840 PSD-E C
EAN/UPC – Case	8710163325958

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Dimensional drawing