CoreLine Downlight

DN140B LED20S/830 PSU C PI6

CoreLine Downlight, 19 W, D200 mm, 2200 lm, 3000 K, 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

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
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,200 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K

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Luminous Efficacy (rated) (Nom)	111 lm/W	Reflector Finish	High-gloss reflector
Color rendering index (CRI)	≥80	Overall height	105 mm
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1	Overall diameter	216 mm
Stroboscopic effect visibility measure (SVM)	0.4		

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
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Selected fields (left column continued):

Beam angle of light source	120 degree(s)
Light source color	830 warm 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
Average CLO power consumption	– W
End CLO power consumption	– W
Inrush current	2.2 A
Inrush time	0.045 ms
Power Consumption	19 W
Power Factor (Fraction)	0.95
Connection	Push-in connector 6-pole
Cable	–
Number of products on MCB of 16 A type B	24

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.432,0.404) 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

Temperature

Ambient temperature range	–20 to +40 °C

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

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

Product Data

Order product name	DN140B LED20S/830 PSU C PI6
Full product name	DN140B LED20S/830 PSU C PI6
Full product code	871016332592700
Order code	911401632205
Material Nr. (12NC)	911401632205
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8710163325927
Numerator – Packs per outer box	6
EAN/UPC – Case	8710163334844

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Dimensional drawing

Ø 200

2-20

200

108

106

Ø 216