



CoreLine Downlight

DN140B LED10S/840 PSD-E C

Coreline Downlight Gen4 - 840 neutral white - Power supply unit with DALI interface, DC-compatible, external - High-gloss mirror - Push-in connector and pull relief - Finger-protected

The CoreLine Downlight range of recessed luminaires is designed to replace CFL-ni/CFL-i based downlight luminaires. Their attractive TCO helps customers to make the switch to LED. These luminaires create a natural lighting effect 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. They are easy to install thanks to their standard cut-out size and push-in connectors. InterAct Ready luminaires with integrated wireless communications in this family available, to be used with InterAct gateways, sensors and software.

Product data

General Information		Glow-wire test	Temperature 850 °C, duration 5 s
Beam angle of light source	120 °	Flammability mark	For mounting on normally flammable surfaces
Light source color	840 neutral white	CE mark	CE mark
Light source replaceable	No	ENEC mark	-
Number of gear units	1 unit	Warranty period	5 years
Driver/power unit/transformer	Power supply unit with DALI interface, DC-compatible, external	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.
Driver included	Yes	Constant light output	No
Optic type	High-gloss mirror		
Luminaire light beam spread	60°		
Control interface	DALI		
Connection	Push-in connector and pull relief		
Cable	-		
Protection class IEC	Safety class I		

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Number of products on MCB of 16 A type B	24
RoHS mark	RoHS mark
Product family code	DN140B [Coreline Downlight Gen4]
Unified glare rating CEN	22

Operating and Electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W W
Average CLO power consumption	- W W
End CLO power consumption	- W
Inrush current	20.4 A
Inrush time	0.195 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Frosted
Overall length	0 mm
Overall width	0 mm
Overall height	100 mm
Overall diameter	162 mm
Color	Black and white

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	1100 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	96 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.379,0.379) SDCM≤5
Initial input power	11.5 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

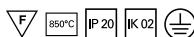
Control gear failure rate at median useful life 50000 h	5 %
Median useful life L70B50	50000 h
Median useful life L80B50	43000 h
Median useful life L90B50	20000 h
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

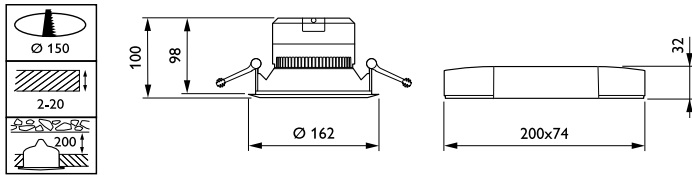
Product Data

Full product code	871016332591099
Order product name	DN140B LED10S/840 PSD-E C
EAN/UPC - Product	8710163325910
Order code	911401632105
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	911401632105
Net Weight (Piece)	0.597 kg



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Dimensional drawing



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