



CoreLine Downlight

DN140B LED20S/840 PSED-E WR

Coreline Downlight Gen4 - 840 neutral white - Power supply unit with DALI interface external, DC compatible for central emergency lighting - White reflector without louver - 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		Protection class IEC	Safety class I
Beam angle of light source	120 °	Glow-wire test	Temperature 850 °C, duration 5 s
Light source color	840 neutral white	Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	No	CE mark	CE mark
Number of gear units	1 unit	ENEC mark	-
Driver/power unit/transformer	Power supply unit with DALI interface external, DC compatible for central emergency lighting	Warranty period	5 years
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.
Optic type	White reflector without louver		
Luminaire light beam spread	90°		
Control interface	DALI		
Connection	Push-in connector and pull relief		
Cable	-		

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Constant light output	No
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	25

Operating and Electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
End CLO power consumption	- W
Inrush current	20.4 A
Inrush time	0.195 ms
Power Factor (Min)	0.95

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	Polycarbonate
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	108 mm
Overall diameter	216 mm

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)	2200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	107 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.380,0.377) SDCM≤5
Initial input power	20.5 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

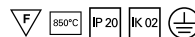
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

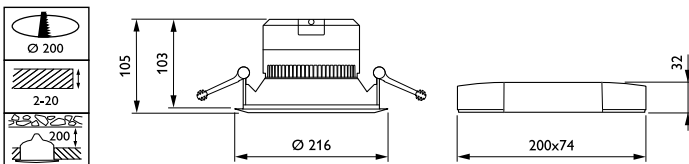
Ambient temperature range	-20 to +40 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Full product code	871016332587399
Order product name	DN140B LED20S/840 PSED-E WR
EAN/UPC - Product	8710163325873
Order code	911401631705
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	911401631705
Net Weight (Piece)	0.675 kg



Dimensional drawing



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