



CoreLine Downlight

DN140B LED20S/840 PSD-E WR

Coreline Downlight Gen4 – 840 neutral white – Power supply unit with DALI interface – 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.

Product data

General Information		Flammability mark	F [For mounting on normally flammable surfaces]
Beam angle of light source	120 °	CE mark	CE mark
Light source colour	840 neutral white	ENEC mark	-
Light source replaceable	No	Warranty period	5 years
Number of gear units	1 unit	Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	Constant light output	No
Driver included	Yes	Number of products on MCB (16 A type B)	24
Optic type	WR [White reflector without louver]		
Luminaire light beam spread	90°		
Control interface	DALI		
Connection	Push-in connector and pull relief		
Cable	-		
Protection class IEC	Safety class I		
Glow-wire test	Temperature 850 °C, duration 5 s		

CoreLine Downlight

EU RoHS compliant	Yes
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 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.)	0.95

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Polycarbonate
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
Colour	White RAL 9003
Dimensions (height x width x depth)	108 x 0 x 0 mm (4.3 x 0 x 0 in)

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. Colour Temperature	4000 K
Init. Colour 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 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L70

Application Conditions

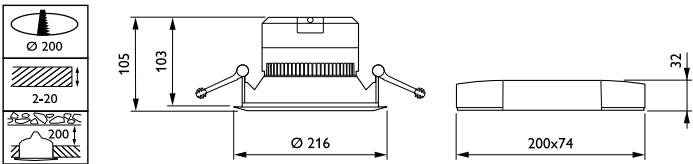
Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes

Product Data

Full product code	871016332587300
Order product name	DN140B LED20S/840 PSD-E WR
EAN/UPC – product	8710163325873
Order code	32587300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401631705
SAP net weight (piece)	0.675 kg

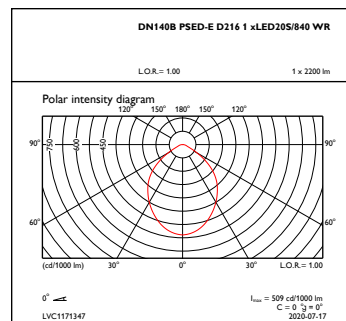
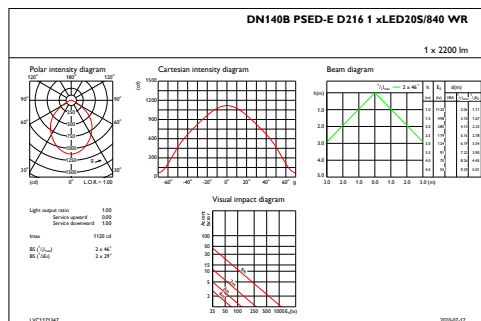


Dimensional drawing



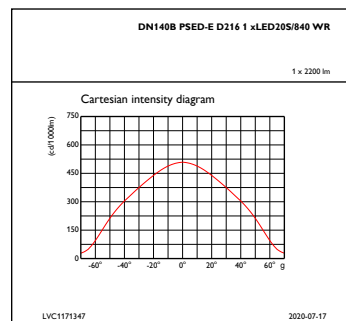
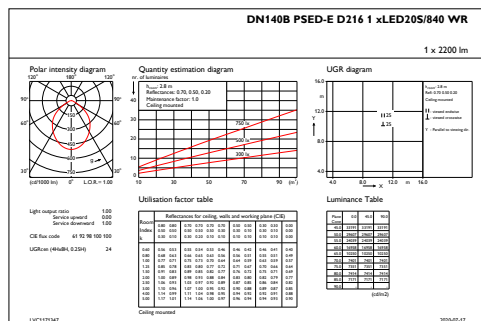
CoreLine Downlight DN140B

Photometric data



IFAS1_DN140BPSED-ED2161xLED20S840WR

OFPC1_DN140BPSED-ED2161xLED20S840WR



IFGU1_DN140BPSED-ED2161xLED20S840WR

IFCC1_DN140BPSED-ED2161xLED20S840WR

