PHILIPS Lighting



CoreLine Downlight

DN140B LED20S/830 PSD-E WR IP54

CoreLine Downlight, 20.5 W, D200 mm, 2200 lm, 3000 K, DALI, White reflector, Clear, IP20/54

The CoreLine Downlight range of recessed luminaires is designed to replace CFLni/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	
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
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.
Product family code	DN140B [Coreline Downlight Gen4]
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 Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	107 lm/W
Colour rendering index (CRI)	≥80
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Beam angle of light source	120 degree(s)
Light source colour	830 warm white

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Optic type	-
Luminaire light beam spread	60°
Unified Glare Rating (CEN)	25
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	20.4 A
Inrush time	0.195 ms
Power Consumption	20.5 W
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

Aluminium

Glass

Steel

White

Clear

0 mm

0 mm

105 mm

216 mm

Polycarbonate

Polycarbonate

White reflector

Approval and Application	
Ingress protection code	IP20/54 [Finger-protected; dust
	accumulation-protected, splash-proof]
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
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.435,0.404) SDCM≦5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	nt)
Driver failure rate at 5,000 hours	1 %
Control gear failure rate at median useful	5 %
life 50,000 h	
Lumen maintenance at median useful life*	L70
50,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	DN140B LED20S/830 PSD-E WR IP54
Full product name	DN140B LED20S/830 PSD-E WR IP54
Full EOC	871016332602300
Order code	32602300
Material no. (12 NC)	911401633205
Material no. (12 NC) SAP numerator – quantity per pack	911401633205
SAP numerator – quantity per pack	1

105 x 0 x 0 mm

Dimensions (height x width x depth)

Overall width Overall height Overall diameter

Mechanical and Housing

Optical cover/lens material

Optical cover/lens finish

Housing material

Reflector material

Fixation material

Housing Colour

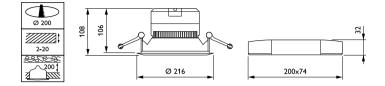
Reflector finish

Overall length

Optic material

CoreLine Downlight

Dimensional drawing





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