



CoreLine Downlight gen5

DN142B 20S/830 PSU-E WR IP54

CoreLine Downlight gen5, 19.2 W, D200 mm, 2350 lm, 3000 K, White reflector, IP20/54

Philips 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 your customers make the switch to LED. These recessed indoor downlights offer uniform light distribution for use in general lighting and office applications (UGR 19). They also deliver instant energy savings and have a much longer lifetime, creating a solution that's environmentally friendly and real value-for-money. CoreLine DN142B 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 also available in this family, which can be used with Interact gateways, sensors and software.

Warnings and Safety

- Do not apply excessive force to the cable & DC connector, make sure that the connector clip is locked before turning the power on.

Product data

General Information		Mounting	
Light source replaceable	No	Value ladder	Performance
Number of gear units	Unit	Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Driver included	Yes	Warranty period	5 years
Service Tag	Yes		
Lighting Technology	LED		

CoreLine Downlight gen5

Sustainability rating	Unclassified
-----------------------	--------------

Light Technical

Luminous Flux	2,350 lm
Saturated Red (R9)	<50
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	120 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source colour	830 warm white
Optic type	-
Luminaire light beam spread	84°
Unified Glare Rating (CEN)	25

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W W
Average CLO power consumption	- W W
Inrush current	10 A
Inrush time	0.002 ms
Power Consumption	19.2 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	2 cables 0.15 m with connectors 2-pole
Number of products on MCB (16 A type B)	100
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	35 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	White
Optical cover/lens finish	-

Reflector finish	White reflector
Overall height	105 mm
Overall diameter	216 mm
Ingress protection code	IP20/54 [Finger-protected; dust accumulation-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.410 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM)	0.5
Stroboscopic effect	1
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.435,0.404) SDCM≤5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

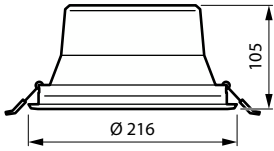
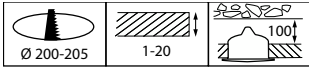
Control gear failure rate at median useful life	5 %
50,000 h	
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Product Data

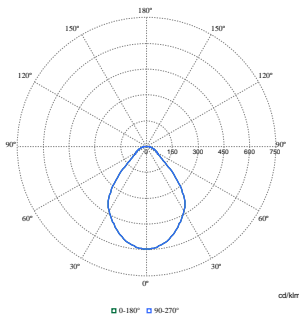
Order product name	DN142B 20S/830 PSU-E WR IP54
Full product name	DN142B 20S/830 PSU-E WR IP54
Full EOC	872016950296399
Order code	911401551932
Material no. (12 NC)	911401551932
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169502963
Numerator – packs per outer box	6
EAN/UPC – Case	8720169503281

CoreLine Downlight gen5

Dimensional drawing



Photometric data



Polar Normal (separate) - null - 911401551932

