## **PHILIPS** Lighting



# CoreLine Downlight gen5

#### DN142B 10S/840 PSU-E WR IP54

CoreLine Downlight gen5, 9.8 W, D150 mm, 1200 lumen, 4000 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 the connector clip is locked before the power is on.

#### **Product data**

General Information		Warranty period	5 years
Light source replaceable	No	Flammability mark	For mounting on normally flammable
Number of gear units	1 unit		surfaces
Driver included	Yes	ENEC mark	-
Lighting Technology	LED	Glow-wire test	Temperature 650 °C, duration 30 s
Value ladder	Performance	EU RoHS compliant	Yes
CE mark	CE mark		

#### CoreLine Downlight gen5

1,200 lumen
<50
4000 K
122 lm/W
≥80
0.5
1
- degree(s)
840 neutral white
-
84°
25

Reflector Finish	White reflector
Overall length	0 mm
Overall width	0 mm
Overall height	80 mm
Overall diameter	162 mm
Dimensions (Height x Width x Depth)	80 x 0 x 0 mm

### 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 II
Photobiological risk	Photobiological risk group 1 @ 200mm to
	EN62471

Initial Performance (IEC Compliant)	

Initial chromaticity	(0.380,0.377) SDCM≦5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

#### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	

#### **Application Conditions**

Maximum dim level	Not applicable
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Yes

#### Product Data

Full product code	872016950300799
Order product name	DN142B 10S/840 PSU-E WR IP54
Order code	911401551532
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	911401551532
Full product name	DN142B 10S/840 PSU-E WR IP54
EAN/UPC - Case	8720169503328
EAN/UPC - Product/Case	8720169503007

Operating	and Electrical	
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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	14 A
Inrush time	0.001 ms
Power Consumption	9.8 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	2 cables 0.15m with connectors 2-pole
Number of products on MCB of 16 A type B	120

#### Temperature

Ambient temperature range

#### **Controls and Dimming**

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

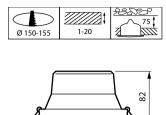
-20 to +40 °C

#### Mechanical and Housing

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

#### CoreLine Downlight gen5

#### Dimensional drawing



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