



# CoreLine Downlight gen5

## DN142B 10S/840 PSD-E UGR19

CoreLine Downlight gen5, 10.4 W, 1150 lumen, 4000 K, CRI $\geq$ 80, DALI, Frosted

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		Flammability mark	
Number of gear units	1 unit	For mounting on normally flammable surfaces	
Driver included	Yes	ENEC mark	
Product family code	DN142B [CoreLine Downlight gen5]	-	
Value ladder	Performance	Glow-wire test	
CE mark	CE mark	Temperature 650 °C, duration 30 s	
Warranty period	5 years	EU RoHS compliant	
		Yes	

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<b>Light Technical</b>	
Luminous Flux	1,150 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color rendering index (CRI)	≥80
Stroboscopic effect value (SVM)	1
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	Facetted reflector
Luminaire light beam spread	60°
Unified glare rating CEN	19

<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	14 A
Inrush time	0.001 ms
Power Consumption	10.4 W
Power Factor (Fraction)	0.95
Connection	-
Cable	2 cables 0.15m with connectors 2-pole
Number of products on MCB of 16 A type B	120

<b>Temperature</b>	
Ambient temperature range	-20 to +40 °C

<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface external
Control interface	DALI
Constant light output	No

<b>Mechanical and Housing</b>	
Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate

Fixation material	-
Housing Color	White RAL9010
Optical cover/lens finish	Frosted
Overall height	80 mm
Overall diameter	162 mm

<b>Approval and Application</b>	
Ingress protection code	IP20 [Finger-protected]
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

<b>Initial Performance (IEC Compliant)</b>	
Initial chromaticity	(0.380,0.377) SDCM≤5
Luminous flux tolerance	-10% / +10%
Power consumption tolerance	+/-10%

<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	

<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

<b>Product Data</b>	
Full product code	872016910893600
Order product name	DN142B 10S/840 PSD-E UGR19
Order code	910505103592
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910505103592
Full product name	DN142B 10S/840 PSD-E UGR19
EAN/UPC - Case	8720169108936
EAN/UPC - Product/Case	8720169108936

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Dimensional drawing

