



# CoreLine Downlight gen5

# DN142B 10S/840 PSD-E UGR19

CoreLine Downlight gen5, 10.7 W, D150 mm, 1150 lm, 4000 K, DALI, UGR19, Facetted reflector, IP20

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		Sustainability rating -	
Number of gear units	1 unit		
Driver included	Yes	Light Technical	
Service tag	Yes	Luminous Flux	1,150 lm
/alue ladder	Performance	Saturated Red (R9)	<50
Warranty period	5 years	Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	107 lm/W

# CoreLine Downlight gen5

Color rendering index (CRI)	>80
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
Operating and Electrical	
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	10.7 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
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	32 %
Controls and Dimming	

•	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
	external
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™

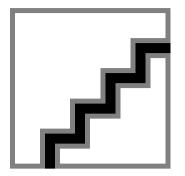
Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	-
Reflector Finish	Facetted reflector
Overall height	82 mm
Overall diameter	162 mm
Ingress protection code	IP20 [Finger-protected]

Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.597 kg
Emergency Operation	
Central Emergency	No
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 t
	EN62471
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 ℃
Stroboscopic effect visibility measure (SVM)	1
Ambient temperature range	-20 to +40 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.380,0.377) SDCM≦5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant	)
Over Time Performance (IEC Compliant	•
Control gear failure rate at median useful life 50000 h	S 70
	1.80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Product Data	
Order product name	DN142B 10S/840 PSD-E UGR19
Full product name	DN142B 10S/840 PSD-E UGR19
Full product code	872016910893600
i un product coue	
Order code	910505103592
•	910505103592 910505103592
Order code	
Order code Material Nr. (12NC)	910505103592
Order code Material Nr. (12NC) Numerator - Quantity Per Pack	910505103592 1
Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	910505103592 1 8720169108936

## CoreLine Downlight gen5

### Photometric data



Polar Normal (separate) - DN142BI - 910505103592



© 2025 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2025, March 19 - data subject to change