



CoreLine Downlight gen5

DN142B 10S/830 PSD-E WR

CoreLine Downlight gen5, 10.7 W, D150 mm, 1200 lm, 3000 K, DALI, White 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	1,200 lm
Value ladder	Performance	Saturated Red (R9)	<50
Warranty period	5 years	Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	112 lm/W

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Color rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source color	830 warm white
Optic type	White reflector perforated without louve
Luminaire light beam spread	84°
Unified glare rating CEN	25
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™	

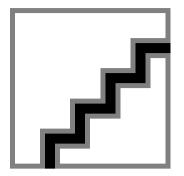
Mechanical and Housing

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

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 EN62471 EU RoHS compliant Yes Performance ambient temperature Tq 25 °C Stroboscopic effect visibility measure (SVM) 1 Ambient temperature range -20 to +40 °C Initial Performance (IEC Compliant) - Luminous flux tolerance -10% / +10% Initial chromaticity (0.432,0.404) SDCM≦5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) - Control gear faiture rate at median useful life 5% 50000 h - Lumen maintenance (EN-IEC 62722-2-1) at Lumen auseful life' 50000 h Product Data - Order product name DN1428 105/830 PSD-E WR Full product code	Mech. impact protection code	IK02 [0.2 J standard]	
Central Emergency No Approval and Application For mounting on normally flammable surfaces Glow-wire test For mounting on normally flammable surfaces Flammability mark For mounting on normally flammable surfaces CE mark Yes ENEC mark - Photobiological risk Photobiological risk group 1 @ 200mm EN62471 EU RoHS compliant Yes Performance ambient temperature Tq 25 °C Stroboscopic effect visibility measure (SVM) 1 Ambient temperature range -20 to +40 °C Initial Performance (IEC Compliant) - Luminous flux tolerance -10% / +10% Initial chromaticity (0.432,0.404) SDCM≦5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) - Control gear failure rate at median useful life 5 % S0000 h - - Product Data - - Order product name DN142B 105/830 PSD-E WR Full product name DN142B 105/830 PSD-E WR Full product name DN142B 105/830 PSD-E WR Full product code 872016910887500	Net Weight (Piece)	0.490 kg	
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Product family code DN142B [CoreLine Downlight gen5]	EAN/UPC - Case	8720169108875	
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CoreLine Downlight gen5

Photometric data



Polar Normal (separate) - DN142BI - 910505103586



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