# **PHILIPS** Lighting



# CoreLine SlimDownlight

# DN145B LED10S/840 PSD-E II WH

DN145B | Coreline Slimdownlight G3\_LSC - LED10S | LED Module, system flux 1000 lm - 840 neutral white - Power supply unit with DALI interface - Safety class II

CoreLine SlimDownlight delivers on the CoreLine promise of innovative, easy to use and high-quality indoor LED downlights. CoreLine SlimDownlight is an innovative range of recessed and surface-mounted luminaires that is designed to provide uniform lighting across multiple application areas. With instant energy savings and a longer lifetime, this is an environmentally-friendly and cost-saving solution. Our slim LED downlights fit the same size cut-out, making then simple and easy to install, while the minimal built-in depth of 34mm means they are an ideal space-saving solution, especially for projects with limited space for installation. An Interact ready option with integrated wireless communications is available in this family, which can be used with Interact gateways, sensors and software.

#### Product data

General Information	
Lamp family code	LED10S [LED Module, system flux 1000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example

	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Service tag	Yes
Product family code	DN145B [Coreline Slimdownlight G3_LSC]
Lighting Technology	LED
Value ladder	Performance
Light Technical	
Luminous Flux	1,100 lumen
Saturated Red (R9)	<50

## CoreLine SlimDownlight

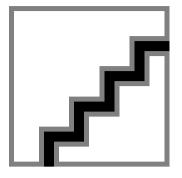
Convolution Colory Torrespondence (Norma)	4000 //
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	85 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 90°
Optical cover/lens type	Opal
Luminaire light beam spread	84°
Unified glare rating CEN	28
Operating and Electrical	
Operating and Electrical	220 to 240 V
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Power Consumption	13 W
Inrush current	20.4 A
Inrush time	0.0019 ms
Power Factor (Fraction)	0.9
Connection	Connection unit 2-pole
Cable	-
Number of products on MCB of 16 A type	24
В	
Temperature	
Ambient temperature range	0 to +35 ℃
Controls and Dimming	
Controls and Dimming Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	external
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polystyrene
Fixation material	-
Housing Color	White
Optical cover/lens finish	Opal
Overall height	28 mm
overall neight	2011111

Overall diameter	166 mm
Approval and Application	
	ID20/44 [Finger protected, wire protected
Ingress protection code	IP20/44 [Finger-protected; wire-protected
	splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes
Initial Performance (IEC Compliant)	
	. / 10%
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38212,0.38031) SDCM<3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	ant)
Driver failure rate at 5000 h	0.0015 %
Control gear failure rate at median useful	0.1 %
life 50000 h	
Lumen maintenance at median useful life*	L70
50000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	Yes
Product Data	
Full product code	871869996101599
Order product name	DN145B LED10S/840 PSD-E II WH
Order code	910500465902
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	010500465003
Material number (12NC)	910500465902
Material number (12NC) Full product name EAN/UPC - Case	910500465902 DN145B LED10S/840 PSD-E II WH 8718699961077



### **CoreLine SlimDownlight**

#### Dimensional drawing





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