# **PHILIPS** Lighting



# **CoreLine Downlight**

# DN140B LED10S/840 PSU C PI6

- 840 neutral white - Power supply unit (ON/OFF) - High-gloss mirror - Push-in connector 6-pole - IP20 | Finger-protected

CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for oneto-one conventional luminaire replacements, with an attractive TCO that helps customers to make the switch to LED. These recessed downlights create uniform light distribution for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally-friendly solution. CoreLine DN140B 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 available in this family, which can be used with InterAct gateways, sensors and software.

#### **Product data**

General Information		Value ladder	Performance
Light source replaceable	No		
Number of gear units	1 unit	Light Technical	
Driver included	Yes	Luminous Flux	1,100 lumen
Remarks	*-Per Lighting Europe guidance paper	Saturated Red (R9)	<50
	"Evaluating performance of LED based	Correlated Color Temperature (Nom)	4000 K
	luminaires - January 2018": statistically	Luminous Efficacy (rated) (Nom)	106 lm/W
	there is no relevant difference in lumen	Color rendering index (CRI)	≥80
	maintenance between B50 and for	Flickering value (PstLM)	1
	example B10. Therefore, the median useful	Stroboscopic effect value (SVM)	0.4
	life (B50) value also represents the B10	Beam angle of light source	120 degree(s)
	value.	Light source color	840 neutral white
Service tag	Yes	Optic type	_
Lighting Technology	LED		

## **CoreLine Downlight**

Luminaire light beam spread60°Unified glare rating CEN22Operating and ElectricalInput VoltageInput Voltage220-240 VLine Frequency50 to 60 HzInput Frequency50 to 60 HzInitial CLO power consumption- WAverage CLO power consumption- WPower Consumption9.5 WEnd CLO power consumption- WInrush current2.2 AInrush current2.2 AInrush time0.045 msPower Factor (Fraction)0.95ConnectionPush-in connector 6-poleCable-Number of products on MCB of 16 A type B24Controls and DimmingDimmableNoDriver/power unit/transformerPower supply unit (ON/OFF)Control interface-Constant light outputNoMechanical and HousingPolycarbonate aluminum coatedReflector materialPolycarbonate aluminum coated		
Operating and Electrical     Input Voltage   220-240 V     Line Frequency   50 to 60 Hz     Input Frequency   50 to 60 Hz     Initial CLO power consumption   - W     Average CLO power consumption   - W     Power Consumption   9.5 W     End CLO power consumption   - W     Inrush current   2.2 A     Inrush current   2.2 A     Inrush time   0.045 ms     Power Factor (Fraction)   0.95     Connection   Push-in connector 6-pole     Cable   -     Number of products on MCB of 16 A type B   24     Temperature   -20 to +40 °C     Controls and Dimming   No     Dimmable   No     Driver/power unit/transformer   Power supply unit (ON/OFF)     Control interface   -     Constant light output   No     Mechanical and Housing   Polycarbonate		
Input Voltage220-240 VLine Frequency50 to 60 HzInput Frequency50 to 60 HzInitial CLO power consumption- WAverage CLO power consumption- WPower Consumption9.5 WEnd CLO power consumption- WInrush current2.2 AInrush time0.045 msPower Factor (Fraction)0.95ConnectionPush-in connector 6-poleCable-Number of products on MCB of 16 A type B24TemperatureAmbient temperature rangeDimmableNoDriver/power unit/transformerPower supply unit (ON/OFF)Control interface-Constant light outputNo		
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Temperature     Ambient temperature range   -20 to +40 °C     Controls and Dimming     Dimmable   No     Driver/power unit/transformer   Power supply unit (ON/OFF)     Control interface   -     Constant light output   No     Mechanical and Housing   Housing Material		
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Controls and Dimming   Dimmable No   Driver/power unit/transformer Power supply unit (ON/OFF)   Control interface -   Constant light output No   Mechanical and Housing   Housing Material Polycarbonate		
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Control interface -   Constant light output No   Mechanical and Housing   Housing Material Polycarbonate		
Constant light output No   Mechanical and Housing   Housing Material		
Mechanical and Housing   Housing Material Polycarbonate		
Housing Material Polycarbonate		
Housing Material Polycarbonate		
Reflector material     Polycarbonate aluminum coated		
Optic material Polycarbonate		
Optical cover/lens material Polycarbonate		
Fixation material Steel		
Housing Color White		
Optical cover/lens finish Frosted		
Reflector Finish High-gloss reflector		
Overall length 0 mm	0 mm	
Overall width 0 mm	0 mm	
Overall height 100 mm	100 mm	
Overall diameter 162 mm	162 mm	
Dimensions (Height x Width x Depth) 100 x 0 x 0 mm	100 x 0 x 0 mm	

#### Approval and Application

Ingress protection code

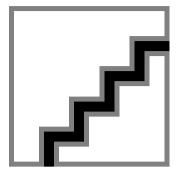
IP20 [Finger-protected]

Mech. impact protection code	IK02 [0.2 J standard]	
Sustainability rating	-	
Protection class IEC	Safety class I	
Glow-wire test	Temperature 850 °C, duration 30 s	
Flammability mark	For mounting on normally flammable	
	surfaces	
CE mark	Yes	
ENEC mark	-	
Warranty period	5 years	
Photobiological risk	Photobiological risk group 1@200mm to	
	EN62778	
EU RoHS compliant	Yes	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.379,0.379) SDCM≦5	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Complia	nt)	
Driver failure rate at 5000 h	1%	
Control gear failure rate at median useful	5 %	
life 50000 h		
Lumen maintenance at median useful life*	L70	
50000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	Not applicable	
Suitable for random switching	Yes	
Product Data		
Full product code	871016332589700	
Order product name	DN140B LED10S/840 PSU C PI6	
EAN/UPC - Product	8710163325897	
Order code	911401631905	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	6	
Material number (12NC)	-	
. ,	911401631905	
Full product name	DN140B LED10S/840 PSU C PI6	
EAN/UPC - Case	8710163334813	



## **CoreLine Downlight**

#### Dimensional drawing





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