



# CoreLine Downlight

## DN140B LED20S/840 PSU WR IP54 PI6

CoreLine Downlight, 19 W, D200 mm, 2200 lm, 4000 K, White reflector, Frosted, IP20/54

The CoreLine Downlight range of recessed luminaires is designed to replace CFL-ni/CFL-i based downlight luminaires. Their attractive TCO helps customers to make the switch to LED. These luminaires create a natural lighting effect 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. They are easy to install thanks to their standard cut-out size and push-in connectors.

### Product data

General Information			
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	1 unit	ENEC mark	-
Driver included	Yes	Glow-wire test	Temperature 850 °C, duration 30 s
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.	EU RoHS compliant	Yes
Service tag	Yes	Light Technical	
Lighting Technology	LED	Luminous Flux	2,200 lm
Value ladder	Performance	Saturated Red (R9)	<50
CE mark	Yes	Correlated Color Temperature (Nom)	4000 K
Warranty period	5 years	Luminous Efficacy (rated) (Nom)	119 lm/W
		Color rendering index (CRI)	≥80
		Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
		Stroboscopic effect visibility measure (SVM)	0.4
		Beam angle of light source	120 degree(s)

## CoreLine Downlight

Light source color	840 neutral white
Optic type	-
Luminaire light beam spread	60°
Unified glare rating CEN	25

### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
End CLO power consumption	- W
Inrush current	2.2 A
Inrush time	0.045 ms
Power Consumption	19 W
Power Factor (Fraction)	0.95
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	24

### Temperature

Ambient temperature range	-20 to +40 °C
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### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

### Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Frosted
Reflector Finish	White reflector
Overall height	105 mm
Overall diameter	216 mm

### Approval and Application

Ingress protection code	IP20/54 [Finger-protected; dust accumulation-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.380,0.377) SDCM≤5
Power consumption tolerance	+/-10%

### Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

### Product Data

Order product name	DN140B LED20S/840 PSU WR IP54 PI6
Full product name	DN140B LED20S/840 PSU WR IP54 PI6
Full product code	871016332601600
Order code	32601600
Material Nr. (12NC)	911401633105
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163326016
Numerator - Packs per outer box	6
EAN/UPC - Case	8710163334936

## CoreLine Downlight

### Dimensional drawing

