



# **CoreLine Downlight**

## **DN140B LED20S/830 PSU WR PI6**

 - 830 warm white - Power supply unit (ON/OFF) - White reflector without louver - 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 one-to-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	
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
Lighting Technology	LED
Value ladder	Performance
Light Technical	
Luminous Flux	2,200 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	116 lm/W
Color rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source color	830 warm white

Datasheet, 2023, May 18 data subject to change

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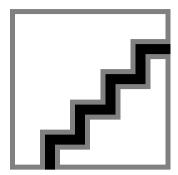
Optic type	-
Luminaire light beam spread	90°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Power Consumption	19 W
End CLO power consumption	- W
Inrush 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	48
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	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover/lens finish	Frosted
Reflector Finish	White reflector
Overall length	0 mm
	0 mm
Overall width	
Overall width  Overall height	108 mm
	108 mm 216 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 5 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	-
Warranty period	5 years
EU RoHS compliant	Yes
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.435,0.404) 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 ℃
Maximum dim level	Not applicable
Suitable for random switching	Yes
Product Data	
Full product code	871016332584200
Order product name	DN140B LED20S/830 PSU WR PI6
EAN/UPC - Product	8710163325842
Order code	911401631405
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	911401631405
Full product name	DN140B LED20S/830 PSU WR PI6
EAN/UPC - Case	8710163334769



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### Dimensional drawing





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