



CoreLine Downlight

DN140B LED20S/830 PSD-E WR

DN140B | Coreline Downlight Gen4 - 830 warm white - Power supply unit with DALI interface - White reflector without louver - Push-in connector and pull relief - 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

Product family code	DN140B [Coreline Downlight Gen4]
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)	107 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	20.5 W
End CLO power consumption	- W
Inrush current	20.4 A
Inrush time	0.195 ms
Power Factor (Fraction)	0.95
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	B 24
Temperature	
Ambient temperature range	-20 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
	external
Control interface	DALL
	DALI
Constant light output	No
Mechanical and Housing	No
Mechanical and Housing Housing Material	No Aluminium
Mechanical and Housing Housing Material Reflector material	No Aluminium Polycarbonate
Mechanical and Housing Housing Material Reflector material Optic material	Aluminium Polycarbonate Polycarbonate
Mechanical and Housing Housing Material Reflector material Optic material Fixation material	Aluminium Polycarbonate Polycarbonate Steel
Mechanical and Housing Housing Material Reflector material Optic material Fixation material Housing Color	Aluminium Polycarbonate Polycarbonate Steel White
Mechanical and Housing Housing Material Reflector material Optic material Fixation material Housing Color Reflector Finish	Aluminium Polycarbonate Polycarbonate Steel White White reflector
Mechanical and Housing Housing Material Reflector material Optic material Fixation material Housing Color Reflector Finish Overall length	Aluminium Polycarbonate Polycarbonate Steel White White White reflector O mm
Mechanical and Housing Housing Material Reflector material Optic material Fixation material Housing Color Reflector Finish Overall length Overall width	Aluminium Polycarbonate Polycarbonate Steel White White reflector O mm O mm
Mechanical and Housing Housing Material Reflector material Optic material Fixation material Housing Color Reflector Finish Overall length Overall height	Aluminium Polycarbonate Polycarbonate Steel White White reflector 0 mm 0 mm
Mechanical and Housing Housing Material Reflector material Optic material Fixation material Housing Color Reflector Finish Overall length Overall width	Aluminium Polycarbonate Polycarbonate Steel White White reflector O mm O 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 $% \left(1\right) =\left(1\right) \left(1$
	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 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	1%
Suitable for random switching	Yes
Due dont Date	
Product Data	07101022270000
Full product code	871016332586600
Order product name	DN140B LED20S/830 PSD-E WR
Order code	911401631605
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	911401631605
Full product name	DN140B LED20S/830 PSD-E WR
EAN/UPC - Case	8710163325866

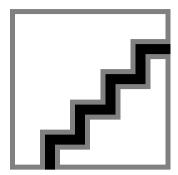






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Dimensional drawing





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