



CoreLine Downlight

DN140B LED20S/830 C IA1

830 warm white - Power supply unit - High-gloss mirror - Push-in connector and pull relief - Finger-protected

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		CE mark	CE mark
Beam angle of light source	120 °	ENEC mark	-
Light source colour	830 warm white	Warranty period	5 years
Light source replaceable	No	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.
Number of gear units	1 unit	Constant light output	No
Driver/power unit/transformer	PSU [Power supply unit]	Number of products on MCB	24
Driver included	Yes	RoHS mark	RoHS mark
Optic type	C [High-gloss mirror]	Unified glare rating CEN	22
Luminaire light beam spread	60°		
Control interface	-		
Connection	Push-in connector and pull relief		
Cable	-		
Protection class IEC	Safety class I		
Glow-wire test	Temperature 850 °C, duration 5 s		
Flammability mark	F [For mounting on normally flammable surfaces]		

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Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	- W W
Average CLO power consumption	- W W
End CLO power consumption	- W
Inrush current	12 A
Inrush time	0.25 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	Polycarbonate aluminium coated
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Frosted
Overall length	0 mm
Overall width	0 mm
Overall height	108 mm
Overall diameter	216 mm
Colour	White RAL 9003

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	2200 lm
Luminous flux tolerance	+/-10%

Initial LED luminaire efficacy	100 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.432,0.404) SDCM≤5
Initial input power	22 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

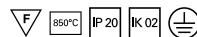
Control gear failure rate at median useful life 50000 h	5 %
Median useful life L70B50	50000 h
Median useful life L80B50	43000 h
Median useful life L90B50	20000 h
Lumen maintenance at median useful life* L70 50000 h	

Application Conditions

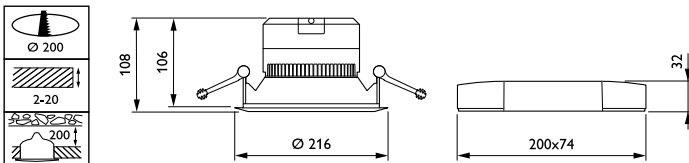
Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%

Product Data

Full product code	871016332614600
Order product name	DN140B LED20S/830 C IA1
EAN/UPC – product	8710163326146
Order code	32614600
Numerator – quantity per pack	1
Numerator – packs per outer box	6
Material no. (12NC)	911401634405
Net weight (piece)	0.860 kg



Dimensional drawing



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