



CoreLine Downlight

DN140B LED20S/830 PSD-E WR

Coreline Downlight Gen4 - 830 warm white - Power supply unit with DALI interface, DC-compatible, external - White reflector without louver - 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. InterAct Ready luminaires with integrated wireless communications in this family available, to be used with InterAct gateways, sensors and software.

Product data

General Information		Protection class IEC	Safety class I
Beam angle of light source	120 °	Glow-wire test	Temperature 850 °C, duration 5 s
Light source color	830 warm white	Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	No	CE mark	CE mark
Number of gear units	1 unit	ENEC mark	-
Driver/power unit/transformer	Power supply unit with DALI interface, DC-compatible, external	Warranty period	5 years
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
Optic type	White reflector without louver		
Luminaire light beam spread	90°		
Control interface	DALI		
Connection	Push-in connector and pull relief		
Cable	-		

CoreLine Downlight

	B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	24
RoHS mark	RoHS mark
Product family code	DN140B [Coreline Downlight Gen4]
Unified glare rating CEN	25

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	20.4 A
Inrush time	0.195 ms
Power Factor (Min)	0.95

Controls and Dimming

Dimmable	Yes
----------	-----

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate
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
Color	Black and white

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 (system flux)	2200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	107 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.435,0.404) SDCM≤5
Initial input power	20.5 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

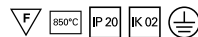
Control gear failure rate at median useful life 50000 h	5 %
Median useful life L70B50	50000 h
Median useful life L80B50	43000 h
Median useful life L90B50	20000 h
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

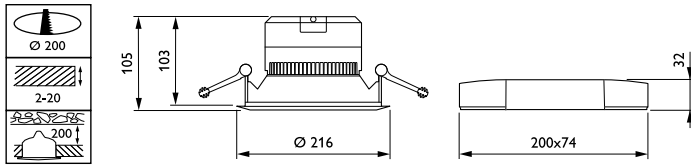
Product Data

Full product code	871016332586699
Order product name	DN140B LED20S/830 PSD-E WR
EAN/UPC - Product	8710163325866
Order code	911401631605
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	911401631605
Net Weight (Piece)	0.675 kg



CoreLine Downlight

Dimensional drawing



CoreLine Downlight DN140B

