



# CoreLine Downlight

## DN140B LED10S/830 PSD-E C IP54

Coreline Downlight Gen4 - 830 warm white - Power supply unit with DALI interface external, DC compatible for central emergency lighting - High-gloss mirror - Push-in connector and pull relief - Finger-protected; dust accumulation-protected, splash-proof

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			
Beam angle of light source	120 °	Connection	Push-in connector and pull relief
Light source colour	830 warm white	Cable	-
Light source replaceable	No	Protection class IEC	Safety class I
Number of gear units	1 unit	Glow-wire test	Temperature 850 °C, duration 5 s
Driver/power unit/transformer	PSED-E [ Power supply unit with DALI interface external, DC compatible for central emergency lighting]	Flammability mark	F [ For mounting on normally flammable surfaces]
Driver included	Yes	CE mark	CE mark
Optic type	C [ High-gloss mirror]	ENEC mark	-
Luminaire light beam spread	60°	Warranty period	5 years
Control interface	DALI	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen

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	maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB	24
RoHS mark	RoHS mark
Product Family Code	DN140B [ Coreline Downlight Gen4]
Unified glare rating CEN	22

## Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	- W W W
Average CLO power consumption	- W W W
End CLO power consumption	- W
Inrush current	20.4 A
Inrush time	0.195 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	100 mm
Overall diameter	162 mm
Colour	White RAL 9003

## Approval and Application

Ingress protection code	IP20/54 [ Finger-protected; dust accumulation-protected, splash-proof]
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Mech. impact protection code	IK02 [ 0.2 J standard]
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## Initial Performance (IEC Compliant)

Initial luminous flux	1100 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	96 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.433,0.405) SDCM≤5
Initial input power	11.5 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

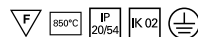
Control gear failure rate at median useful life 50000 h	5 %
Median useful life L70B50	50000 h
Median useful life L80B50	43000 h
Median useful life L90B50	20000 h
Lumen maintenance at median useful life* 50000 h	L70

## Application Conditions

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

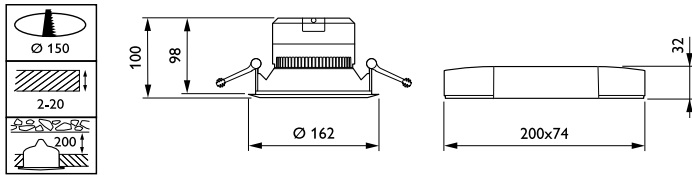
## Product Data

Full product code	871016332606100
Order product name	DN140B LED10S/830 PSD-E C IP54
EAN/UPC – product	8710163326061
Order code	32606100
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401633605
Net weight (piece)	0.600 kg



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## Dimensional drawing



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