



CoreLine SlimDownlight - the clear choice for LED

CoreLine SlimDownlight

CoreLine SlimDownlight is a range of ultra-thin recessed luminaires designed to replace downlight luminaires based on CFL-ni/CFL-I lamp technology. The product's attractive TCO makes it easy for customers to make the switch to LED. CoreLine SlimDownlight delivers a natural 'surface of light' effect for use in general lighting applications. It also offers instant energy savings and a much longer lifetime, making it a real value-for-money and environmentally friendly solution. Installation is easy, as the luminaire fits the same size of cut-out and has an extremely small build-in depth.

Benefits

- Energy savings and longer lifetime reduce operating costs
- One-to-one replacement for conventional luminaires
- The natural 'surface of light' effect creates a comfortable, high-end look

Features

- Diffuse light quality
- Product height of less than 50 mm: fits more ceiling types
- Surface-mounted version enables luminaire to be positioned anywhere
- Available in 1000 and 2000 lumen versions
- Choice of color temperature: 3000 and 4000 K

Application

- General lighting in corridors
- Retail stores
- Reception areas
- Indoor circulation areas

CoreLine SlimDownlight

Specifications

Installation	Through-wiring possible
Light Source	Non-replaceable LED module
Light source color	830 warm white, 840 neutral white
Light source replaceable	No
Material	Bracket:
Material	Gear box:
Type	DN145B DN145B (recessed version)DN145C (surface mounted version)
Initial input power	11 W, 13 W, 21 W, 22.5 W, 6.5 W
Initial luminous flux	1100 lm, 2100 lm, 650 lm
Initial correlated color temperature	3000 K, 4000 K
Driver failure rate at 5000 h in %	0.0015 %
Ambient Temperature	0 to +35 °C

Driver	Power supply unit with DALI interface (PSD) Power supply unit (PSU) Power supply unit with SystemReady interface (Power supply unit with SystemReady interface)
Input voltage	220 to 240 V
Input frequency	50 or 60 Hz
Dimming	No, yes
Optic	90 Beam angle 90°
Optical cover	Polymethyl methacrylate
Material	Housing: aluminum die-cast
Material	Reflector: -
Main color of the Luminaire	White RAL9016
Connection	Connection unit 2-pole (Connection unit 2-pole)
Through wiring	Yes
Warranty period	5 years

Versions



Coreline SlimDownlight-DN145B 20S



Coreline Slimdownlight G3_LSC - 830 warm white - Power supply unit with DALI interface - Safety class II - White



830 warm white - Power supply unit - Safety class II - White



830 warm white - Power supply unit - Safety class II - White

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Versions



830 warm white - Power supply unit - Safety class II - White

Application Conditions

Ambient temperature range	0 to +35 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

Approval and Application

Mech. impact protection code	IK02
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

CE mark	CE mark
Protection class IEC	Safety class II (II)
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Glow-wire test	650/30
Light source replaceable	No
Number of gear units	1 unit
Optic type	90
Service tag	Yes

Initial Performance (IEC Compliant)

Init. Color Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	White RAL9016
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Order Code	Full Product Name	Driver failure rate at 5000 h
96098899	DN145B LED20S/830 IA1 WH	-
96099599	DN145B LED20S/840 IA1 WH	-
96102299	DN145B LED20S/830 PSD-E II WH	0.0015 %
96103999	DN145B LED20S/840 PSD-E II WH	0.0015 %
33949899	DN145B LED20S/830 PSU II WH	0.0015 %
33950499	DN145B LED20S/840 PSU II WH	0.0015 %
96100899	DN145B LED10S/830 PSD-E II WH	0.0015 %
96101599	DN145B LED10S/840 PSD-E II WH	0.0015 %
33947499	DN145B LED10S/830 PSU II WH	0.0015 %
33948199	DN145B LED10S/840 PSU II WH	0.0015 %
33945099	DN145B LED6S/830 PSU II WH	-
33946799	DN145B LED6S/840 PSU II WH	-
33951199	DN145C LED10S/830 PSU II WH	0.0015 %
33952899	DN145C LED10S/840 PSU II WH	0.0015 %
33953599	DN145C LED20S/830 PSU II WH	0.0015 %
33954299	DN145C LED20S/840 PSU II WH	0.0015 %

Approval and Application

Order Code	Full Product Name	Ingress protection code
96098899	DN145B LED20S/830 IA1 WH	IP20/44
96099599	DN145B LED20S/840 IA1 WH	IP20/44
96102299	DN145B LED20S/830 PSD-E II WH	IP20/44
96103999	DN145B LED20S/840 PSD-E II WH	IP20/44
33949899	DN145B LED20S/830 PSU II WH	IP20/44
33950499	DN145B LED20S/840 PSU II WH	IP20/44

Order Code	Full Product Name	Ingress protection code
96100899	DN145B LED10S/830 PSD-E II WH	IP20/44
96101599	DN145B LED10S/840 PSD-E II WH	IP20/44
33947499	DN145B LED10S/830 PSU II WH	IP20/44
33948199	DN145B LED10S/840 PSU II WH	IP20/44
33945099	DN145B LED6S/830 PSU II WH	IP20/44
33946799	DN145B LED6S/840 PSU II WH	IP20/44

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Order Code	Full Product Name	Ingress protection code
33951199	DN145C LED10S/830 PSU II WH	IP44
33952899	DN145C LED10S/840 PSU II WH	IP44

Order Code	Full Product Name	Ingress protection code
33953599	DN145C LED20S/830 PSU II WH	IP44
33954299	DN145C LED20S/840 PSU II WH	IP44

Controls and Dimming

Order Code	Full Product Name	Dimmable
96098899	DN145B LED20S/830 IA1 WH	Yes
96099599	DN145B LED20S/840 IA1 WH	Yes
96102299	DN145B LED20S/830 PSD-E II WH	Yes
96103999	DN145B LED20S/840 PSD-E II WH	Yes
33949899	DN145B LED20S/830 PSU II WH	No
33950499	DN145B LED20S/840 PSU II WH	No
96100899	DN145B LED10S/830 PSD-E II WH	Yes
96101599	DN145B LED10S/840 PSD-E II WH	Yes

Order Code	Full Product Name	Dimmable
33947499	DN145B LED10S/830 PSU II WH	No
33948199	DN145B LED10S/840 PSU II WH	No
33945099	DN145B LED6S/830 PSU II WH	No
33946799	DN145B LED6S/840 PSU II WH	No
33951199	DN145C LED10S/830 PSU II WH	No
33952899	DN145C LED10S/840 PSU II WH	No
33953599	DN145C LED20S/830 PSU II WH	No
33954299	DN145C LED20S/840 PSU II WH	No

General Information (1/2)

Order Code	Full Product Name	Optical cover/ lens type	Lamp family code	Number of light sources	Product Family Code
96098899	DN145B LED20S/830 IA1 WH	-	-	-	DN145B
96099599	DN145B LED20S/840 IA1 WH	-	-	-	DN145B
96102299	DN145B LED20S/830 PSD-E II WH	O	LED20S	1	DN145B
96103999	DN145B LED20S/840 PSD-E II WH	O	LED20S	1	DN145B
33949899	DN145B LED20S/830 PSU II WH	O	LED20S	1	-
33950499	DN145B LED20S/840 PSU II WH	O	LED20S	1	-
96100899	DN145B LED10S/830 PSD-E II WH	O	LED10S	1	DN145B
96101599	DN145B LED10S/840 PSD-E II WH	O	LED10S	1	DN145B

Order Code	Full Product Name	Optical cover/ lens type	Lamp family code	Number of light sources	Product Family Code
33947499	DN145B LED10S/830 PSU II WH	O	LED10S	1	-
33948199	DN145B LED10S/840 PSU II WH	O	LED10S	1	-
33945099	DN145B LED6S/830 PSU II WH	O	LED6S	1	-
33946799	DN145B LED6S/840 PSU II WH	O	LED6S	1	-
33951199	DN145C LED10S/830 PSU II WH	O	LED10S	1	-
33952899	DN145C LED10S/840 PSU II WH	O	LED10S	1	-
33953599	DN145C LED20S/830 PSU II WH	O	LED20S	1	-
33954299	DN145C LED20S/840 PSU II WH	O	LED20S	1	-

General Information (2/2)

Order Code	Full Product Name	Standard RAL color
96098899	DN145B LED20S/830 IA1 WH	-
96099599	DN145B LED20S/840 IA1 WH	-
96102299	DN145B LED20S/830 PSD-E II WH	White RAL9016
96103999	DN145B LED20S/840 PSD-E II WH	White RAL9016
33949899	DN145B LED20S/830 PSU II WH	White RAL9016
33950499	DN145B LED20S/840 PSU II WH	White RAL9016
96100899	DN145B LED10S/830 PSD-E II WH	White RAL9016
96101599	DN145B LED10S/840 PSD-E II WH	White RAL9016

Order Code	Full Product Name	Standard RAL color
33947499	DN145B LED10S/830 PSU II WH	White RAL9016
33948199	DN145B LED10S/840 PSU II WH	White RAL9016
33945099	DN145B LED6S/830 PSU II WH	White RAL9016
33946799	DN145B LED6S/840 PSU II WH	White RAL9016
33951199	DN145C LED10S/830 PSU II WH	White RAL9016
33952899	DN145C LED10S/840 PSU II WH	White RAL9016
33953599	DN145C LED20S/830 PSU II WH	White RAL9016
33954299	DN145C LED20S/840 PSU II WH	White RAL9016

Initial Performance (IEC Compliant) (1/2)

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Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
96098899	DN145B LED20S/830 IA1 WH	(0.43657,0.40454)	3000 K	93 lm/W	2100 lm
96099599	DN145B LED20S/84 0 IA1 WH	(0.38212,0.38031)	4000 K	93 lm/W	2100 lm
96102299	DN145B LED20S/830 PSD-E II WH	(0.43657,0.40454)	3000 K	93 lm/W	2100 lm
96103999	DN145B LED20S/84 0 PSD-E II WH	(0.38212,0.38031)	4000 K	93 lm/W	2100 lm
33949899	DN145B LED20S/830 PSU II WH	(0.43657,0.40454)	3000 K	100 lm/W	2100 lm
33950499	DN145B LED20S/84 0 PSU II WH	(0.38212,0.38031)	4000 K	100 lm/W	2100 lm
96100899	DN145B LED10S/830 PSD-E II WH	(0.43657,0.40454)	3000 K	85 lm/W	1100 lm
96101599	DN145B LED10S/840 PSD-E II WH	(0.38212,0.38031)	4000 K	85 lm/W	1100 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
33947499	DN145B LED10S/830 PSU II WH	(0.43657,0.40454)	3000 K	100 lm/W	1100 lm
33948199	DN145B LED10S/840 PSU II WH	(0.38212,0.38031)	4000 K	100 lm/W	1100 lm
33945099	DN145B LED6S/830 PSU II WH	(0.43657,0.40454)	3000 K	100 lm/W	650 lm
33946799	DN145B LED6S/840 PSU II WH	(0.38212,0.38031)	4000 K	100 lm/W	650 lm
33951199	DN145C LED10S/830 PSU II WH	(0.43657,0.40454)	3000 K	100 lm/W	1100 lm
33952899	DN145C LED10S/840 PSU II WH	(0.38212,0.38031)	4000 K	100 lm/W	1100 lm
33953599	DN145C LED20S/830 PSU II WH	(0.43657,0.40454)	3000 K	100 lm/W	2100 lm
33954299	DN145C LED20S/840 PSU II WH	(0.38212,0.38031)	4000 K	100 lm/W	2100 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
96098899	DN145B LED20S/830 IA1 WH	22.5 W
96099599	DN145B LED20S/840 IA1 WH	22.5 W
96102299	DN145B LED20S/830 PSD-E II WH	22.5 W
96103999	DN145B LED20S/840 PSD-E II WH	22.5 W
33949899	DN145B LED20S/830 PSU II WH	21 W
33950499	DN145B LED20S/840 PSU II WH	21 W
96100899	DN145B LED10S/830 PSD-E II WH	13 W
96101599	DN145B LED10S/840 PSD-E II WH	13 W

Order Code	Full Product Name	Initial input power
33947499	DN145B LED10S/830 PSU II WH	11 W
33948199	DN145B LED10S/840 PSU II WH	11 W
33945099	DN145B LED6S/830 PSU II WH	6.5 W
33946799	DN145B LED6S/840 PSU II WH	6.5 W
33951199	DN145C LED10S/830 PSU II WH	11 W
33952899	DN145C LED10S/840 PSU II WH	11 W
33953599	DN145C LED20S/830 PSU II WH	21 W
33954299	DN145C LED20S/840 PSU II WH	21 W

