



# 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. InterAct Ready luminaire with integrated wireless communications to be used with InterAct gateways, sensors and software.

### 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

	830 warm white, 840 neutral white		220 to 240 V
	No		50 or 60, 50 to 60 Hz
<b>Material of Bracket</b>	Bracket:		No, yes
<b>Material of Gear box</b>	Gear box:		beam angle 90°
<b>Type</b>	DN135B		Polycarbonate, polymethyl methacrylate
	9, 11, 21, 27, 28 W	<b>Material</b>	Housing: aluminium, aluminium die cast
	650, 1,100, 2,000, 2,100 lm	<b>Material of Reflector</b>	Reflector: polycarbonate
	3,000, 4,000 K	<b>Color</b>	Aluminium and white, white
	57000 h		Connection unit 2-pole (Connection unit 2-pole)
	0.0015, 1, 5 %		Push-in connector 3-pole (Push-in connector 3-pole)
<b>AverageAmbientTemperature</b>	-20 to +35 °C		Push-in connector with 2 poles and pull relief
	0 to +35 °C		5 years
	Power supply unit (Power supply unit)		
	Power supply unit regulating external (Power supply unit regulating external)		

## Versions



CoreLine SlimDownlight - LED  
Module, system flux 600 lm



# CoreLine SlimDownlight

## Approval and Application

Mech. impact protection code IK02

## Operating and Electrical

Input Voltage 220 to 240 V

## General Information

CE mark CE mark

Driver included Yes

Light source replaceable No

Number of gear units 1 unit

## Initial Performance (IEC Compliant)

Luminous flux tolerance +/-10%

## Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dim level	Suitable for random switching
38117299	DN135B LED6S/830 PSR-E II WH	0 to +35 °C	20% (depends on dimmer, ELV)	-
38119699	DN135B LED6S/840 PSR-E II WH	0 to +35 °C	20% (depends on dimmer, ELV)	-
33947499	DN145B LED10S/830 PSU II WH	0 to +35 °C	Not applicable	Not applicable
33948199	DN145B LED10S/840 PSU II WH	0 to +35 °C	Not applicable	Not applicable
33949899	DN145B LED20S/830 PSU II WH	0 to +35 °C	Not applicable	Not applicable
33950499	DN145B LED20S/840 PSU II WH	0 to +35 °C	Not applicable	Not applicable

Order Code	Full Product Name	Ambient temperature range	Maximum dim level	Suitable for random switching
33951199	DN145C LED10S/830 PSU II WH	0 to +35 °C	Not applicable	Not applicable
33952899	DN145C LED10S/840 PSU II WH	0 to +35 °C	Not applicable	Not applicable
33953599	DN145C LED20S/830 PSU II WH	0 to +35 °C	Not applicable	Not applicable
33954299	DN145C LED20S/840 PSU II WH	0 to +35 °C	Not applicable	Not applicable
38922299	DN135B LED20S/830 IA1 WH	-20 to +35 °C	10% (depends on dimmer, ELV)	No
38924699	DN135B LED20S/840 IA1 WH	-20 to +35 °C	10% (depends on dimmer, ELV)	No

## Approval and Application

Order Code	Full Product Name	Ingress protection code
38117299	DN135B LED6S/830 PSR-E II WH	IP44
38119699	DN135B LED6S/840 PSR-E II WH	IP44
33947499	DN145B LED10S/830 PSU II WH	IP20/44
33948199	DN145B LED10S/840 PSU 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
33951199	DN145C LED10S/830 PSU II WH	IP44
33952899	DN145C LED10S/840 PSU II WH	IP44
33953599	DN145C LED20S/830 PSU II WH	IP44
33954299	DN145C LED20S/840 PSU II WH	IP44
38922299	DN135B LED20S/830 IA1 WH	IP44
38924699	DN135B LED20S/840 IA1 WH	IP44

## Controls and Dimming

## CoreLine SlimDownlight

Order Code	Full Product Name	Dimmable
38117299	DN135B LED6S/830 PSR-E II WH	Yes
38119699	DN135B LED6S/840 PSR-E II WH	yes
33947499	DN145B LED10S/830 PSU II WH	No
33948199	DN145B LED10S/840 PSU II WH	No
33949899	DN145B LED20S/830 PSU II WH	No
33950499	DN145B LED20S/840 PSU II WH	No

Order Code	Full Product Name	Dimmable
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
38922299	DN135B LED20S/830 IA1 WH	Yes
38924699	DN135B LED20S/840 IA1 WH	Yes

### General Information (1/2)

Order Code	Full Product Name	Beam angle of light source	Protection class IEC	Optical cover/lens			Emergency lighting	ENEC mark	Flammability mark	Gear
				type						
38117299	DN135B LED6S/830 PSR-E II WH	- °	Safety class II	O		No	-	NO	-	
38119699	DN135B LED6S/840 PSR-E II WH	- °	Safety class II	O		No	-	NO	-	
33947499	DN145B LED10S/830 PSU II WH	- °	Safety class II	-		-	ENEC mark	F	-	
33948199	DN145B LED10S/840 PSU II WH	- °	Safety class II	-		No	ENEC mark	F	-	
33949899	DN145B LED20S/830 PSU II WH	- °	Safety class II	-		-	ENEC mark	F	-	
33950499	DN145B LED20S/840 PSU II WH	- °	Safety class II	-		-	ENEC mark	F	-	
33951199	DN145C LED10S/830 PSU II WH	- °	Safety class II	-		-	ENEC mark	F	-	
33952899	DN145C LED10S/840 PSU II WH	- °	Safety class II	-		-	ENEC mark	F	-	
33953599	DN145C LED20S/830 PSU II WH	- °	Safety class II	-		-	ENEC mark	F	-	
33954299	DN145C LED20S/840 PSU II WH	- °	Safety class II	-		-	ENEC mark	F	-	
38922299	DN135B LED20S/830 IA1 WH	135 °	Safety class I	O		No	-	NO	-	
38924699	DN135B LED20S/840 IA1 WH	135 °	Safety class I	O		No	-	NO	-	

### General Information (2/2)

Order Code	Full Product Name	Glow-wire test	Lamp family code	Number of light sources	Optic type
38117299	DN135B LED6S/830 PSR-E II WH	Temperature 650 °C, duration 5 s	LED6S	1	No
38119699	DN135B LED6S/840 PSR-E II WH	Temperature 650 °C, duration 5 s	LED6S	1	No
33947499	DN145B LED10S/830 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90
33948199	DN145B LED10S/840 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90
33949899	DN145B LED20S/830 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90
33950499	DN145B LED20S/840 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90

Order Code	Full Product Name	Glow-wire test	Lamp family code	Number of light sources	Optic type
33951199	DN145C LED10S/830 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90
33952899	DN145C LED10S/840 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90
33953599	DN145C LED20S/830 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90
33954299	DN145C LED20S/840 PSU II WH	Temperature 650 °C, duration 30 s	-	-	90
38922299	DN135B LED20S/830 IA1 WH	Temperature 650 °C, duration 5 s	LED20S	1	No
38924699	DN135B LED20S/840 IA1 WH	Temperature 650 °C, duration 5 s	LED20S	1	No

### Initial Performance (IEC Compliant)

## CoreLine SlimDownlight

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour		Init. Colour		Initial LED luminaire efficacy	Initial luminous flux	Initial input power
			Temperature		Rendering Index				
38117299	DN135B LED6S/830 PSR-E II WH	(0.42, 0.40) SDCM <5	3000 K		>80		72 lm/W	650 lm	9 W
38119699	DN135B LED6S/840 PSR-E II WH	(0.38, 0.38) SDCM <5	4000 K		>80		72 lm/W	650 lm	9 W
33947499	DN145B LED10S/830 PSU II WH	(0.43657,0.40454) SDCM<3	3000 K		>80		100 lm/W	1100 lm	11 W
33948199	DN145B LED10S/840 PSU II WH	(0.38212,0.38031) SDCM<3	4000 K		>80		100 lm/W	1100 lm	11 W
33949899	DN145B LED20S/830 PSU II WH	(0.43657,0.40454) SDCM<3	3000 K		>80		100 lm/W	2100 lm	21 W
33950499	DN145B LED20S/840 PSU II WH	(0.38212,0.38031) SDCM<3	4000 K		>80		100 lm/W	2100 lm	21 W
33951199	DN145C LED10S/830 PSU II WH	(0.43657,0.40454) SDCM<3	3000 K		>80		100 lm/W	1100 lm	11 W
33952899	DN145C LED10S/840 PSU II WH	(0.38212,0.38031) SDCM<3	4000 K		>80		100 lm/W	1100 lm	11 W
33953599	DN145C LED20S/830 PSU II WH	(0.43657,0.40454) SDCM<3	3000 K		>80		100 lm/W	2100 lm	21 W
33954299	DN145C LED20S/840 PSU II WH	(0.38212,0.38031) SDCM<3	4000 K		>80		100 lm/W	2100 lm	21 W
38922299	DN135B LED20S/830 IA1 WH	(0.42, 0.40) SDCM ≤5	3000 K		≥80		70 lm/W	2000 lm	27 W
38924699	DN135B LED20S/840 IA1 WH	(0.38, 0.38) SDCM ≤5	4000 K		≥80		70 lm/W	2000 lm	27 W

### Mechanical and Housing

Order Code	Full Product Name	Colour
38117299	DN135B LED6S/830 PSR-E II WH	White
38119699	DN135B LED6S/840 PSR-E II WH	White
33947499	DN145B LED10S/830 PSU II WH	White
33948199	DN145B LED10S/840 PSU II WH	White
33949899	DN145B LED20S/830 PSU II WH	White
33950499	DN145B LED20S/840 PSU II WH	White

Order Code	Full Product Name	Colour
33951199	DN145C LED10S/830 PSU II WH	White
33952899	DN145C LED10S/840 PSU II WH	White
33953599	DN145C LED20S/830 PSU II WH	White
33954299	DN145C LED20S/840 PSU II WH	White
38922299	DN135B LED20S/830 IA1 WH	Aluminium and White
38924699	DN135B LED20S/840 IA1 WH	Aluminium and White

### Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life	
		L80B50	L90B50
38117299	DN135B LED6S/830 PSR-E II WH	-	-
38119699	DN135B LED6S/840 PSR-E II WH	-	-
33947499	DN145B LED10S/830 PSU II WH	35000 h	16000 h
33948199	DN145B LED10S/840 PSU II WH	35000 h	16000 h
33949899	DN145B LED20S/830 PSU II WH	35000 h	16000 h
33950499	DN145B LED20S/840 PSU II WH	35000 h	16000 h

Order Code	Full Product Name	Median useful life	
		L80B50	L90B50
33951199	DN145C LED10S/830 PSU II WH	35000 h	16000 h
33952899	DN145C LED10S/840 PSU II WH	35000 h	16000 h
33953599	DN145C LED20S/830 PSU II WH	35000 h	16000 h
33954299	DN145C LED20S/840 PSU II WH	35000 h	16000 h
38922299	DN135B LED20S/830 IA1 WH	-	-
38924699	DN135B LED20S/840 IA1 WH	-	-

