



# CoreLine SlimDownlight - for every project, where light really matters

## CoreLine SlimDownlight

CoreLine SlimDownlight delivers on the CoreLine promise of innovative, easy to use and high-quality luminaires. CoreLine SlimDownlight is an innovative range of recessed and surface-mounted luminaires. The high-quality CoreLine SlimDownlight is designed to replace existing downlight luminaires with CFL-ni/CFL-I lamp technology and provides even, natural lighting across multiple environments. With instant energy savings and a longer lifetime, this is an environmentally friendly and cost saving solution. Simple and easy installation means our recessed luminaire fits the same size cut-out, while the minimal built-in depth of 34mm makes this product an ideal space saving solution, especially for projects with limited fitting space. InterAct Ready luminaires with integrated wireless communications, fully compatible with InterAct gateways, sensors and software, are also available.

### Benefits

- Energy saving and longer lifetime to reduce overall operating costs
- Product height less than 50mm, fitting more ceiling types
- The natural 'surface of light' effect creates a comfortable, high-end look

### Features

- Energy-efficient and a long lifespan: up to 100lm/W and 50khrs @L70 lifetime
- Push-in connector with through-wiring option
- Multiple options available: 650/1100/2100lm; 3000K/4000K; Dali
- Total height (including driver): 34mm recessed; 50mm surface mounted

# CoreLine SlimDownlight

## Application

- General lighting in corridors and toilets
- Retail stores
- Reception areas

## Specifications

<b>Installation</b>	Through-wiring possible
<b>Light Source</b>	Non-replaceable LED module
<b>Light source color</b>	830 warm white, 840 neutral white
<b>Light source replaceable</b>	No
<b>Material</b>	Bracket:
<b>Material</b>	Gear box:
<b>Type</b>	DN135B DN145B DN145B (recessed version)DN145C (surface mounted version)
<b>Initial input power</b>	6.5, 11, 13, 21, 22.5, 28 W
<b>Initial luminous flux</b>	650, 1100, 2000, 2100 lm
<b>Initial correlated color temperature</b>	3000, 4000 K
<b>Median Useful Life L70B50</b>	50000 h
<b>Driver failure rate at 5000 h in %</b>	0.0015, 5 %

<b>Ambient Temperature</b>	0 to +35 °C
<b>Driver</b>	Power supply unit (Power supply unit) Power supply unit with DALI interface (Power supply unit with DALI interface)
<b>Input voltage</b>	220 to 240 V
<b>Input frequency</b>	50 or 60, 50 to 60 Hz
<b>Dimming</b>	No, yes
<b>Optic</b>	-, beam angle 90°
<b>Optical cover</b>	Polycarbonate, polymethyl methacrylate
<b>Material</b>	Housing: aluminum, aluminum die cast
<b>Material</b>	Reflector: -, polycarbonate
<b>Main color of the Luminaire</b>	White RAL9010, white RAL9016
<b>Connection</b>	Connection unit 2-pole (Connection unit 2-pole) Push-in connector with 2 poles and pull relief (Push-in connector with 2 poles and pull relief)
<b>Through wiring</b>	Yes
<b>Warranty period</b>	5 years

## Versions



CoreLine SlimDownlight - LED Module, system flux 2000 lm - 830 warm white - Power supply unit - Safety class II - White



Coreline Slimdownlight G3\_LSC - 830 warm white - Power supply unit with DALI interface - Safety class II - White



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

# CoreLine SlimDownlight

## Versions



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



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

### Application Conditions

Ambient temperature range	0 to +35 °C
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
Optical cover/lens type	Opal
Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1 pc
Service tag	Yes

### Initial Performance (IEC Compliant)

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

### Application Conditions

Order Code	Full Product Name	Maximum dim level
910500465817	DN135B LED20S/830 PSD-E II WH	1%
910500465818	DN135B LED20S/840 PSD-E II WH	1%
910500465901	DN145B LED10S/830 PSD-E II WH	Not applicable
910500465902	DN145B LED10S/840 PSD-E II WH	Not applicable
911401805980	DN145B LED10S/830 PSU II WH	Not applicable
911401806080	DN145B LED10S/840 PSU II WH	Not applicable
910500465903	DN145B LED20S/830 PSD-E II WH	Not applicable
910500465904	DN145B LED20S/840 PSD-E II WH	Not applicable
911401806180	DN145B LED20S/830 PSU II WH	Not applicable
911401806280	DN145B LED20S/840 PSU II WH	Not applicable
911401805780	DN145B LED6S/830 PSU II WH	Not applicable
911401805880	DN145B LED6S/840 PSU II WH	Not applicable
911401806380	DN145C LED10S/830 PSU II WH	Not applicable
911401806480	DN145C LED10S/840 PSU II WH	Not applicable
911401806580	DN145C LED20S/830 PSU II WH	Not applicable
911401806680	DN145C LED20S/840 PSU II WH	Not applicable

## Approval and Application

Order Code	Full Product Name	Ingress protection code
910500465817	DN135B LED20S/830 PSD-E II WH	IP44
910500465818	DN135B LED20S/840 PSD-E II WH	IP44
910500465901	DN145B LED10S/830 PSD-E II WH	IP20/44
910500465902	DN145B LED10S/840 PSD-E II WH	IP20/44
911401805980	DN145B LED10S/830 PSU II WH	IP20/44
911401806080	DN145B LED10S/840 PSU II WH	IP20/44
910500465903	DN145B LED20S/830 PSD-E II WH	IP20/44
910500465904	DN145B LED20S/840 PSD-E II WH	IP20/44

Order Code	Full Product Name	Ingress protection code
911401806180	DN145B LED20S/830 PSU II WH	IP20/44
911401806280	DN145B LED20S/840 PSU II WH	IP20/44
911401805780	DN145B LED6S/830 PSU II WH	IP20/44
911401805880	DN145B LED6S/840 PSU II WH	IP20/44
911401806380	DN145C LED10S/830 PSU II WH	IP44
911401806480	DN145C LED10S/840 PSU II WH	IP44
911401806580	DN145C LED20S/830 PSU II WH	IP44
911401806680	DN145C LED20S/840 PSU II WH	IP44

## Controls and Dimming

## CoreLine SlimDownlight

Order Code	Full Product Name	Dimmable
910500465817	DN135B LED20S/830 PSD-E II WH	Yes
910500465818	DN135B LED20S/840 PSD-E II WH	Yes
910500465901	DN145B LED10S/830 PSD-E II WH	Yes
910500465902	DN145B LED10S/840 PSD-E II WH	Yes
911401805980	DN145B LED10S/830 PSU II WH	No
911401806080	DN145B LED10S/840 PSU II WH	No
910500465903	DN145B LED20S/830 PSD-E II WH	Yes
910500465904	DN145B LED20S/840 PSD-E II WH	Yes

Order Code	Full Product Name	Dimmable
911401806180	DN145B LED20S/830 PSU II WH	No
911401806280	DN145B LED20S/840 PSU II WH	No
911401805780	DN145B LED6S/830 PSU II WH	No
911401805880	DN145B LED6S/840 PSU II WH	No
911401806380	DN145C LED10S/830 PSU II WH	No
911401806480	DN145C LED10S/840 PSU II WH	No
911401806580	DN145C LED20S/830 PSU II WH	No
911401806680	DN145C LED20S/840 PSU II WH	No

### General Information (1/2)

Order Code	Full Product Name	ENEC mark	Flammability mark	Glow-wire test	Lamp family code
910500465817	DN135B LED20S/830 PSD-E II WH	-	-	Temperature 650 °C, duration 5 s	LED20S
910500465818	DN135B LED20S/840 PSD-E II WH	-	-	Temperature 650 °C, duration 5 s	LED20S
910500465901	DN145B LED10S/830 PSD-E II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED10S
910500465902	DN145B LED10S/840 PSD-E II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED10S
911401805980	DN145B LED10S/830 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED10S
911401806080	DN145B LED10S/840 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED10S
910500465903	DN145B LED20S/830 PSD-E II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED20S
910500465904	DN145B LED20S/840 PSD-E II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED20S
911401806180	DN145B LED20S/830 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED20S

Order Code	Full Product Name	ENEC mark	Flammability mark	Glow-wire test	Lamp family code
911401806280	DN145B LED20S/840 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED20S
911401805780	DN145B LED6S/830 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED6S
911401805880	DN145B LED6S/840 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED6S
911401806380	DN145C LED10S/830 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED10S
911401806480	DN145C LED10S/840 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED10S
911401806580	DN145C LED20S/830 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED20S
911401806680	DN145C LED20S/840 PSU II WH	ENEC mark	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	LED20S

### General Information (2/2)

## CoreLine SlimDownlight

Order Code	Full Product Name	Optic type	Product	
			Family	Standard RAL
Order Code	Full Product Name	Optic type	Code	color
910500465817	DN135B LED20S/830 PSD-E II WH	-	DN135B	White RAL9010
910500465818	DN135B LED20S/840 PSD-E II WH	-	DN135B	White RAL9010
910500465901	DN145B LED10S/830 PSD-E II WH	Beam angle 90°	DN145B	White RAL9016
910500465902	DN145B LED10S/840 PSD-E II WH	Beam angle 90°	DN145B	White RAL9016
911401805980	DN145B LED10S/830 PSU II WH	Beam angle 90°	-	White RAL9016
911401806080	DN145B LED10S/840 PSU II WH	Beam angle 90°	-	White RAL9016
910500465903	DN145B LED20S/830 PSD-E II WH	Beam angle 90°	DN145B	White RAL9016
910500465904	DN145B LED20S/840 PSD-E II WH	Beam angle 90°	DN145B	White RAL9016

Order Code	Full Product Name	Optic type	Product	
			Family	Standard RAL
Order Code	Full Product Name	Optic type	Code	color
911401806180	DN145B LED20S/830 PSU II WH	Beam angle 90°	-	White RAL9016
911401806280	DN145B LED20S/840 PSU II WH	Beam angle 90°	-	White RAL9016
911401805780	DN145B LED6S/830 PSU II WH	Beam angle 90°	-	White RAL9016
911401805880	DN145B LED6S/840 PSU II WH	Beam angle 90°	-	White RAL9016
911401806380	DN145C LED10S/830 PSU II WH	Beam angle 90°	-	White RAL9016
911401806480	DN145C LED10S/840 PSU II WH	Beam angle 90°	-	White RAL9016
911401806580	DN145C LED20S/830 PSU II WH	Beam angle 90°	-	White RAL9016
911401806680	DN145C LED20S/840 PSU II WH	Beam angle 90°	-	White RAL9016

### Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product		Init. Corr. Color	Initial LED luminaire efficacy	Initial luminous flux
	Name	Initial chromaticity			
Order Code	Name	Initial chromaticity	Temperature	efficacy	flux
910500465817	DN135B LED20S/830 PSD-E II WH	(0.42, 0.40) SDCM <5	3000 K	71 lm/W	2000 lm
910500465818	DN135B LED20S/840 PSD-E II WH	(0.38, 0.38) SDCM <5	4000 K	71 lm/W	2000 lm
910500465901	DN145B LED10S/830 PSD-E II WH	(0.43657, 0.40454) SDCM<3	3000 K	85 lm/W	1100 lm
910500465902	DN145B LED10S/840 PSD-E II WH	(0.38212, 0.38031) SDCM<3	4000 K	85 lm/W	1100 lm
911401805980	DN145B LED10S/830 PSU II WH	(0.43657, 0.40454) SDCM<3	3000 K	100 lm/W	1100 lm
911401806080	DN145B LED10S/840 PSU II WH	(0.38212, 0.38031) SDCM<3	4000 K	100 lm/W	1100 lm
910500465903	DN145B LED20S/830 PSD-E II WH	(0.43657, 0.40454) SDCM<3	3000 K	93 lm/W	2100 lm

Order Code	Full Product		Init. Corr. Color	Initial LED luminaire efficacy	Initial luminous flux
	Name	Initial chromaticity			
Order Code	Name	Initial chromaticity	Temperature	efficacy	flux
910500465904	DN145B LED20S/840 PSD-E II WH	(0.38212, 0.38031) SDCM<3	4000 K	93 lm/W	2100 lm
911401806180	DN145B LED20S/830 PSU II WH	(0.43657, 0.40454) SDCM<3	3000 K	100 lm/W	2100 lm
911401806280	DN145B LED20S/840 PSU II WH	(0.38212, 0.38031) SDCM<3	4000 K	100 lm/W	2100 lm
911401805780	DN145B LED6S/830 PSU II WH	(0.43657, 0.40454) SDCM<3	3000 K	100 lm/W	650 lm
911401805880	DN145B LED6S/840 PSU II WH	(0.38212, 0.38031) SDCM<3	4000 K	100 lm/W	650 lm
911401806380	DN145C LED10S/830 PSU II WH	(0.43657, 0.40454) SDCM<3	3000 K	100 lm/W	1100 lm
911401806480	DN145C LED10S/840 PSU II WH	(0.38212, 0.38031) SDCM<3	4000 K	100 lm/W	1100 lm

## CoreLine SlimDownlight

Order Code	Full Product		Init. Corr.	Initial LED	Initial
	Name	Initial chromaticity	Color	luminaire	luminous
			Temperature	efficacy	flux
911401806580	DN145C LED20S/8 30 PSU II WH	(0.43657,0.40454)	3000 K	100 lm/W	2100 lm

Order Code	Full Product		Init. Corr.	Initial LED	Initial
	Name	Initial chromaticity	Color	luminaire	luminous
			Temperature	efficacy	flux
911401806680	DN145C LED20S/8 40 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
910500465817	DN135B LED20S/830 PSD-E II WH	28 W
910500465818	DN135B LED20S/840 PSD-E II WH	28 W
910500465901	DN145B LED10S/830 PSD-E II WH	13 W
910500465902	DN145B LED10S/840 PSD-E II WH	13 W
911401805980	DN145B LED10S/830 PSU II WH	11 W
911401806080	DN145B LED10S/840 PSU II WH	11 W
910500465903	DN145B LED20S/830 PSD-E II WH	22.5 W
910500465904	DN145B LED20S/840 PSD-E II WH	22.5 W

Order Code	Full Product Name	Initial input power
911401806180	DN145B LED20S/830 PSU II WH	21 W
911401806280	DN145B LED20S/840 PSU II WH	21 W
911401805780	DN145B LED6S/830 PSU II WH	6.5 W
911401805880	DN145B LED6S/840 PSU II WH	6.5 W
911401806380	DN145C LED10S/830 PSU II WH	11 W
911401806480	DN145C LED10S/840 PSU II WH	11 W
911401806580	DN145C LED20S/830 PSU II WH	21 W
911401806680	DN145C LED20S/840 PSU II WH	21 W

### Mechanical and Housing

Order Code	Full Product Name	Color
910500465817	DN135B LED20S/830 PSD-E II WH	White RAL9010
910500465818	DN135B LED20S/840 PSD-E II WH	White RAL9010
910500465901	DN145B LED10S/830 PSD-E II WH	White RAL9016
910500465902	DN145B LED10S/840 PSD-E II WH	White RAL9016
911401805980	DN145B LED10S/830 PSU II WH	White RAL9016
911401806080	DN145B LED10S/840 PSU II WH	White RAL9016
910500465903	DN145B LED20S/830 PSD-E II WH	White RAL9016
910500465904	DN145B LED20S/840 PSD-E II WH	White RAL9016

Order Code	Full Product Name	Color
911401806180	DN145B LED20S/830 PSU II WH	White RAL9016
911401806280	DN145B LED20S/840 PSU II WH	White RAL9016
911401805780	DN145B LED6S/830 PSU II WH	White RAL9016
911401805880	DN145B LED6S/840 PSU II WH	White RAL9016
911401806380	DN145C LED10S/830 PSU II WH	White RAL9016
911401806480	DN145C LED10S/840 PSU II WH	White RAL9016
911401806580	DN145C LED20S/830 PSU II WH	White RAL9016
911401806680	DN145C LED20S/840 PSU II WH	White RAL9016

### Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
910500465817	DN135B LED20S/830 PSD-E II WH	-	-
910500465818	DN135B LED20S/840 PSD-E II WH	-	-
910500465901	DN145B LED10S/830 PSD-E II WH	35000 h	16000 h
910500465902	DN145B LED10S/840 PSD-E II WH	35000 h	16000 h
911401805980	DN145B LED10S/830 PSU II WH	35000 h	16000 h
911401806080	DN145B LED10S/840 PSU II WH	35000 h	16000 h
910500465903	DN145B LED20S/830 PSD-E II WH	35000 h	16000 h
910500465904	DN145B LED20S/840 PSD-E II WH	35000 h	16000 h

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
911401806180	DN145B LED20S/830 PSU II WH	35000 h	16000 h
911401806280	DN145B LED20S/840 PSU II WH	35000 h	16000 h
911401805780	DN145B LED6S/830 PSU II WH	-	-
911401805880	DN145B LED6S/840 PSU II WH	-	-
911401806380	DN145C LED10S/830 PSU II WH	35000 h	16000 h
911401806480	DN145C LED10S/840 PSU II WH	35000 h	16000 h
911401806580	DN145C LED20S/830 PSU II WH	35000 h	16000 h
911401806680	DN145C LED20S/840 PSU II WH	35000 h	16000 h

## CoreLine SlimDownlight

