



CoreLine Surface-mounted – the clear choice for LED

CoreLine Surface-mounted

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Surface-mounted range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch. Coreline Surface Mounted also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

Benefits

- Enables a simple switch from basic conventional luminaires to LED luminaires
- Energy saving of up to 45% compared to functional TL-D luminaires
- Slim design with a height of less than 40 mm

Features

- Integrated LED technology
- Slim housing
- Suspension set available as an accessory
- Recessed version also available for use in grid ceilings
- 3 hour Emergency version available
- Office compliant (UGR<19) flicker free and Non Office compliant versions available.

Application

- General lighting

CoreLine Surface-mounted

Warnings and Safety

- The product is IPX0 and as such is not protected against water ingress, so we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe failure and product warranty will become void

Specifications

Ambient Temperature	-10 to +40 °C 0 to +25 °C	Initial correlated colour temperature	3000 K, 4000 K
Main colour of the luminaire	White	Initial input power	22 W / 26 W / 31 W, 25 W / 29 W / 34 W
Dimming	No, yes	Initial luminous flux	2800 lm / 3400 lm / 4000 lm, 3100 lm / 3700 lm / 4300 lm
Driver	Power supply unit with DALI interface (PSD) Power supply unit (PSU)	Input frequency	50 or 60 Hz
		Input voltage	220 to 240 V
		Type	SM136V

Versions



CORELINE SURFACE GEN3

CORELINE SURFACE GEN3

Product details



CoreLine Surface-mounted Mounting clip

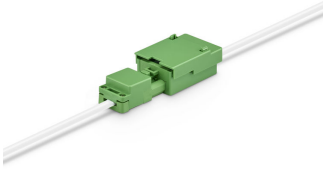


CoreLine Recessed connector PSU (On/Off)

CoreLine Surface-mounted

Product details

CoreLine Recessed connector PSU
(On/Off)



CoreLine Surface-mounted
Mounting clip



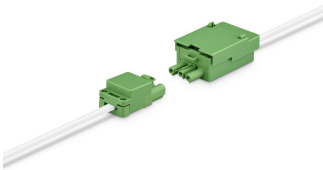
CoreLine Surface-mounted edge



CoreLine Surface-mounted
Mounting bracket



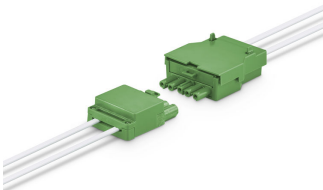
CoreLine Recessed connector PSU
(On/Off)



CoreLine Surface-mounted PSU
(On/OFF) driver



CoreLine Recessed connector PSD
(dali)



CoreLine Surface-mounted
backside with PSD (Dali) driver
and connector



CoreLine Surface-mounted

Product details

CoreLine Surface-mounted
Backside PSD (dali) driver 20x120



CoreLine Surface-mounted
Backside PSU (On/Off) driver
20x150



Application Conditions

Suitable for random switching Not applicable

Approval and Application

Mech. impact protection code IK03

Ingress protection code IP20/44

Operating and Electrical

Input Voltage 220 to 240 V

General Information

Beam angle of light source - °

CE mark CE mark

Driver included Yes

ENEC mark ENEC mark

Flammability mark F

Glow-wire test Temperature 650 °C, duration 30 s

Light source replaceable No

Number of gear units 1 unit

Initial Performance (IEC Compliant)

Init. Colour rendering index >80

Luminous flux tolerance +/-10%

Mechanical and Housing

Colour White

Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dimming level
97553100	SM136V 31S_37S_43S/840 PSUW20L120NOCELB3	0 to +25 °C	Not applicable
97554800	SM136V 31S_37S_43S/840 PSD W20L120OCELB3	0 to +25 °C	3%
51230600	SM136V 28S_34S_40S/830 PSU W20L120 NOC	-10 to +40 °C	Not applicable
51231300	SM136V 31S_37S_43S/840 PSU W20L120 NOC	-10 to +40 °C	Not applicable
51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	-10 to +40 °C	Not applicable
51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	-10 to +40 °C	3%
51234400	SM136V 28S_34S_40S/830 PSD W20L120 OC	-10 to +40 °C	3%
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	-10 to +40 °C	3%
51236800	SM136V 28S_34S_40S/830 PSU W20L150 NOC	-10 to +40 °C	Not applicable
51237500	SM136V 31S_37S_43S/840 PSU W20L150 NOC	-10 to +40 °C	Not applicable
51238200	SM136V 31S_37S_43S/840 PSU W20L150 OC	-10 to +40 °C	Not applicable
51239900	SM136V 28S_34S_40S/830 PSD W20L150 OC	-10 to +40 °C	3%
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	-10 to +40 °C	3%

Controls and Dimming

Order Code	Full Product Name	Dimmable
97553100	SM136V 31S_37S_43S/840 PSUW20L120NOCELB3	No
97554800	SM136V 31S_37S_43S/840 PSD W20L120OCELB3	Yes
51230600	SM136V 28S_34S_40S/830 PSU W20L120 NOC	No
51231300	SM136V 31S_37S_43S/840 PSU W20L120 NOC	No
51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	No
51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	Yes
51234400	SM136V 28S_34S_40S/830 PSD W20L120 OC	Yes

Order Code	Full Product Name	Dimmable
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	Yes
51236800	SM136V 28S_34S_40S/830 PSU W20L150 NOC	No
51237500	SM136V 31S_37S_43S/840 PSU W20L150 NOC	No
51238200	SM136V 31S_37S_43S/840 PSU W20L150 OC	No
51239900	SM136V 28S_34S_40S/830 PSD W20L150 OC	Yes
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	Yes

General Information

CoreLine Surface-mounted

Order Code	Full Product Name	Protection class IEC	Optic type	Product family code
97553100	SM136V 31S_37S_43S/840 PSUW20L120NOCELB3	Safety class I	100	SM136V
97554800	SM136V 31S_37S_43S/840 PSD W20L120OCELB3	Safety class II	Beam angle 84°	SM136V
51230600	SM136V 28S_34S_40S/830 PSU W20L120 NOC	Safety class I	100	-
51231300	SM136V 31S_37S_43S/840 PSU W20L120 NOC	Safety class I	100	-
51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	Safety class I	Beam angle 84°	-
51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	Safety class II	100	-
51234400	SM136V 28S_34S_40S/830 PSD W20L120 OC	Safety class II	Beam angle 84°	-

Order Code	Full Product Name	Protection class IEC	Optic type	Product family code
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	Safety class II	Beam angle 84°	-
51236800	SM136V 28S_34S_40S/830 PSU W20L150 NOC	Safety class I	100	-
51237500	SM136V 31S_37S_43S/840 PSU W20L150 NOC	Safety class I	100	-
51238200	SM136V 31S_37S_43S/840 PSU W20L150 OC	Safety class I	Beam angle 84°	-
51239900	SM136V 28S_34S_40S/830 PSD W20L150 OC	Safety class II	Beam angle 84°	-
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	Safety class II	Beam angle 84°	-

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
97553100	SM136V 31S_37S_43S/840 PSUW20L120NOCELB3	(0.38, 0.38) SDCM ≤3	4000 K	126 lm/W	3100, 3700, 4300 lm
97554800	SM136V 31S_37S_43S/840 PSD W20L120OCELB3	(0.38, 0.38) SDCM ≤3	4000 K	126 lm/W	3100, 3700, 4300 lm
51230600	SM136V 28S_34S_40S/830 PSU W20L120 NOC	(0.43, 0.40) SDCM ≤3	3000 K	130 lm/W	2800, 3400, 4000 lm
51231300	SM136V 31S_37S_43S/840 PSU W20L120 NOC	(0.38, 0.38) SDCM ≤3	4000 K	140 lm/W	3100, 3700, 4300 lm
51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	(0.38, 0.38) SDCM ≤3	4000 K	140 lm/W	3100, 3700, 4300 lm
51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	(0.38, 0.38) SDCM ≤3	4000 K	140 lm/W	3100, 3700, 4300 lm
51234400	SM136V 28S_34S_40S/830 PSD W20L120 OC	(0.43, 0.40) SDCM ≤3	3000 K	130 lm/W	2800, 3400, 4000 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	(0.38, 0.38) SDCM ≤3	4000 K	140 lm/W	3100, 3700, 4300 lm
51236800	SM136V 28S_34S_40S/830 PSU W20L150 NOC	(0.43, 0.40) SDCM ≤3	3000 K	130 lm/W	2800, 3400, 4000 lm
51237500	SM136V 31S_37S_43S/840 PSU W20L150 NOC	(0.38, 0.38) SDCM ≤3	4000 K	140 lm/W	3100, 3700, 4300 lm
51238200	SM136V 31S_37S_43S/840 PSU W20L150 OC	(0.38, 0.38) SDCM ≤3	4000 K	140 lm/W	3100, 3700, 4300 lm
51239900	SM136V 28S_34S_40S/830 PSD W20L150 OC	(0.43, 0.40) SDCM ≤3	3000 K	130 lm/W	2800, 3400, 4000 lm
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	(0.38, 0.38) SDCM ≤3	4000 K	140 lm/W	3100, 3700, 4300 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
97553100	SM136V 31S_37S_43S/840 PSUW20L120NOCELB3	25, 29, 34 W
97554800	SM136V 31S_37S_43S/840 PSD W20L120OCELB3	25, 29, 34 W
51230600	SM136V 28S_34S_40S/830 PSU W20L120 NOC	22, 26, 31 W

Order Code	Full Product Name	Initial input power
51231300	SM136V 31S_37S_43S/840 PSU W20L120 NOC	22, 26, 31 W
51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	22, 26, 31 W
51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	22, 26, 31 W

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Order Code	Full Product Name	Initial input power
51234400	SM136V 28S_34S_40S/830 PSD W20L120 OC	22, 26, 31 W
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	22, 26, 31 W
51236800	SM136V 28S_34S_40S/830 PSU W20L150 NOC	22, 26, 31 W
51237500	SM136V 31S_37S_43S/840 PSU W20L150 NOC	22, 26, 31 W

Order Code	Full Product Name	Initial input power
51238200	SM136V 31S_37S_43S/840 PSU W20L150 OC	22, 26, 31 W
51239900	SM136V 28S_34S_40S/830 PSD W20L150 OC	22, 26, 31 W
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	22, 26, 31 W

