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

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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

Versions

CoreLine Surface-mounted

SM136V 31S_37S_43S_840 PSD
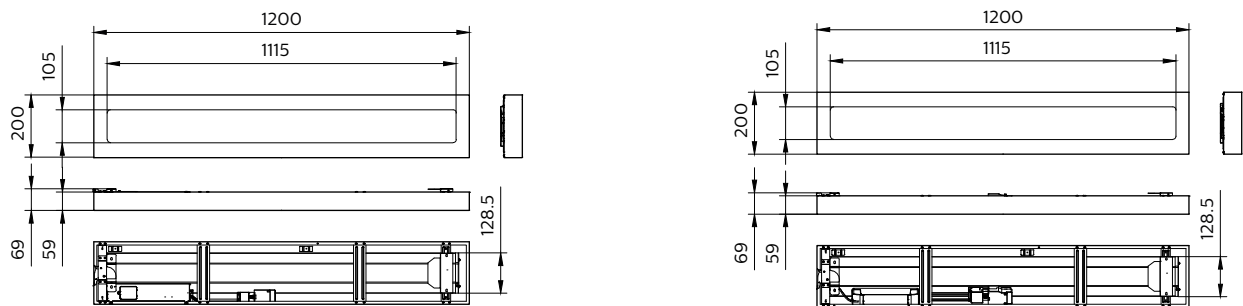W20L150 OC_SPP

SM136V 31S_37S_43S_840 PSD
W20L120 OC _SPP

SM136V 31S_37S_43S_840 PSU
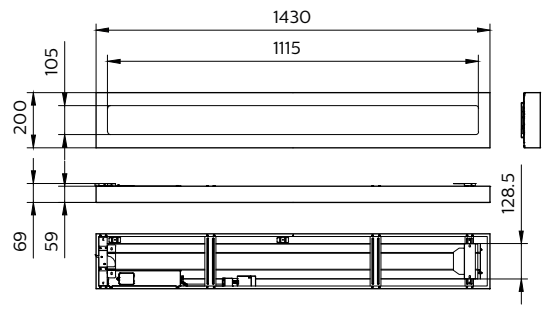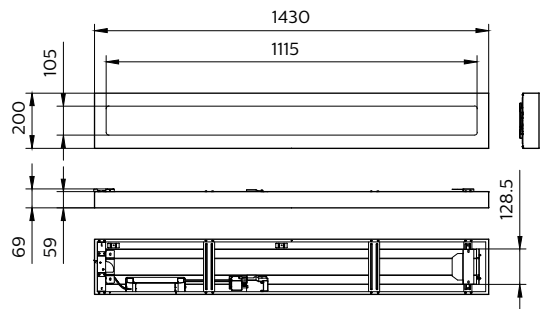W20L120 OC _SPP

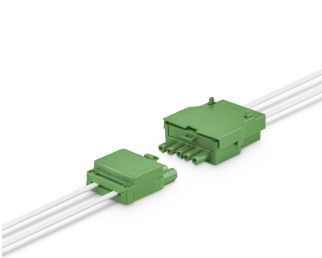SM136V 31S_37S_43S_840 PSD
W20L120 NOC _SPP

Dimensional drawing

CoreLine surface-mounted

Dimensional drawing
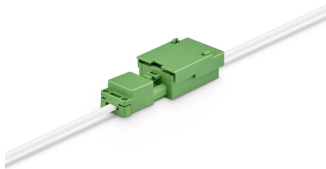

Product details

CoreLine Recessed connector PSD (dali)

CoreLine Surface-mounted Mounting clip

CoreLine Recessed connector PSU (On/Off))

CoreLine Recessed connector PSU (On/Off))

CoreLine Surface-mounted Mounting clip

CoreLine_Surface-mounted-SM136V_20x120

CoreLine surface-mounted

Product details

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

CoreLine Surface-mounted edge

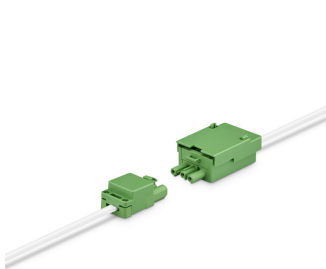**CoreLine_Surface-mounted-SM136V_20x150**

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

CoreLine Surface-mounted Mounting bracket

CoreLine Recessed connector PSU (On/Off))

CoreLine Surface-mounted PSU (On/OFF) driver

CoreLine surface-mounted

General Information

Driver included	Yes
Light source replaceable	No
Number of gear units	Unit
Service Tag	Yes

Light Technical

Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	>80
Luminous efficacy (rated) (nom.)	140 lm/W

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Power Consumption	31 W
Suitable for random switching	Yes

Mechanical and Housing

Housing Colour	White
Mech. impact protection code	IK03
Ingress protection code	IP20/44

Approval and Application

Ambient temperature range	–10 to +40 °C
CE mark	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Flickering value (PstLM)	1
Stroboscopic effect	0.4

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM ≤3
Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	All-in Type	Luminous Flux	Optic type
51509300	SM136V 43S/840 WIA W20L150 OC	–	4,300 lm	Beam angle 84°
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	All-in, Multi Lumen	3,100 lm	Beam angle 84°
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	All-in, Multi Lumen	3,100 lm	Beam angle 84°
51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	All-in, Multi Lumen	3,100 lm	Beam angle 84°
51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	All-in, Multi Lumen	3,100 lm	Beam angle 100°

Operating and Electrical

Order Code	Full Product Name	Protection class IEC
51509300	SM136V 43S/840 WIA W20L150 OC	Safety class II
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	Safety class II
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	Safety class II

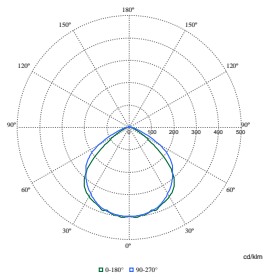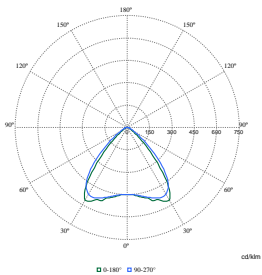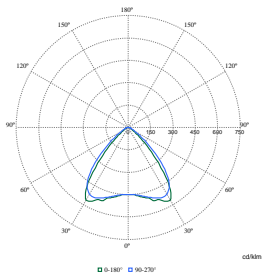| Order Code	Full Product Name	Protection class IEC
51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	Safety class I
51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	Safety class II

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
51509300	SM136V 43S/840 WIA W20L150 OC	Yes	1%

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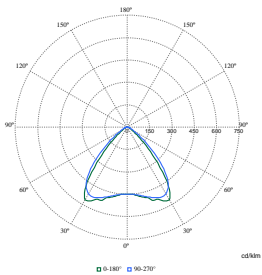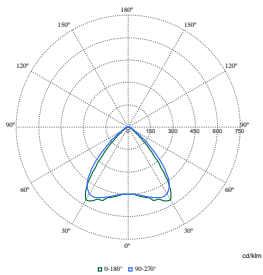| Order Code	Full Product Name	Dimmable	Maximum dim level		Order Code	Full Product Name	Dimmable	Maximum dim level
51240500	SM136V 31S_37S_43S/840 PSD W20L150 OC	Yes	3%		51232000	SM136V 31S_37S_43S/840 PSU W20L120 OC	No	–
51235100	SM136V 31S_37S_43S/840 PSD W20L120 OC	Yes	3%		51233700	SM136V 31S_37S_43S/840 PSD W20L120 NOC	Yes	3%

Polar Wide Diagrams

Polar Normal (separate) – null – 911401882181

Polar Normal (separate) – null – 911401881881

Polar Normal (separate) – null – 911401881981

Polar Normal (separate) – null – 911401882681

Polar Normal (separate) – null – 911401897181

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2023, August 2 – data subject to change