



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.

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

Application

- General lighting

Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress & as such 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 & product warranty will become void

CoreLine surface-mounted

Versions



SM136V 31S_37S_43S_840 PSU
W20L150 OC_SPP



SM136V 31S_37S_43S_840 PSU
W20L120 NOC_SPP



SM136V 28S_34S_40S_830 PSU
W20L120 NOC_SPP



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 28S_34S_40S_830 PSU
W20L150 NOC_SPP



SM136V 31S_37S_43S_840 PSU
W20L150 NOC_SPP



SM136V 28S_34S_40S_830 PSD
W20L150 OC_SPP



SM136V 31S_37S_43S_840 PSD
W20L120 NOC_SPP

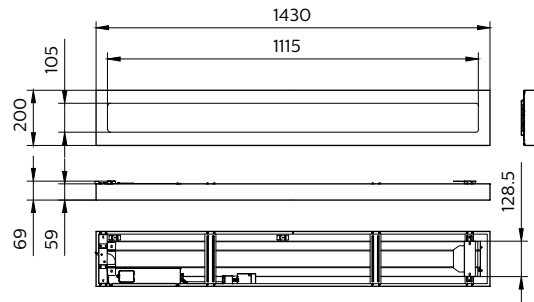
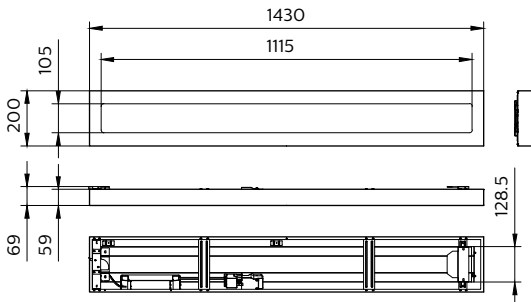
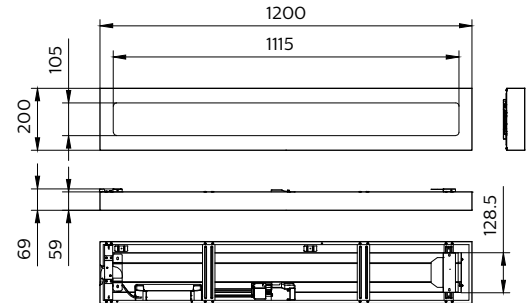
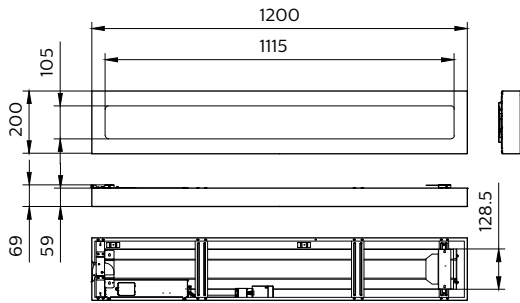
CoreLine surface-mounted

Versions

SM136V 28S_34S_40S_830 PSD
W20L120 OC_SPP

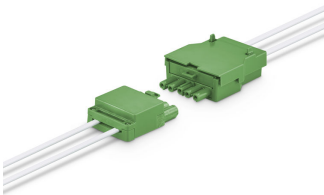


Dimensional drawing



Product details

CoreLine Recessed connector PSD
(dali)



CoreLine Surface-mounted
Mounting clip

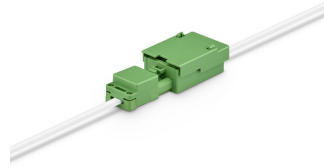


CoreLine surface-mounted

Product details



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
backside with PSD (Dali) driver
and connector



CoreLine Surface-mounted edge



CoreLine_Surface-mounted-
SM136V_20x150



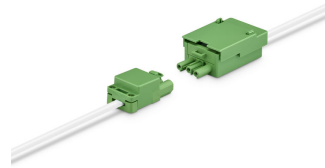
CoreLine Surface-mounted
Backside PSD (dali) driver 20x120

CoreLine surface-mounted

Product details



CoreLine Surface-mounted Mounting bracket



CoreLine Recessed connector PSU (On/Off)



CoreLine Surface-mounted PSU (On/OFF) driver



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

CoreLine surface-mounted

General Information

| | |
|--------------------------|--------|
| Driver included | Yes |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Service tag | Yes |

Light Technical

| | |
|-----------------------------|------------------------|
| All-in Type | All-in, Multi Lumen |
| Color rendering index (CRI) | >80 |

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 Color | 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) - Flickering value as per EN 61000-3-3 | 1 |
| Stroboscopic effect visibility measure (SVM) | 0.4 |

Initial Performance (IEC Compliant)

| | |
|-------------------------|--------|
| Luminous flux tolerance | +/-10% |
|-------------------------|--------|

Light Technical

| Order Code | Full Product Name | Correlated Color Temperature | Luminous | | Optic type |
|------------|--|------------------------------|------------------|---------------|-----------------|
| | | (Nom) | Efficacy (rated) | Luminous Flux | |
| 51238200 | SM136V 31S_37S_43S/840 PSU W20L150 OC | 4000 K | 140 lm/W | 3,100 lm | Beam angle 84° |
| 51231300 | SM136V 31S_37S_43S/840 PSU W20L120 NOC | 4000 K | 135 lm/W | 3,100 lm | Beam angle 100° |
| 51230600 | SM136V 28S_34S_40S/830 PSU W20L120 NOC | 3000 K | 130 lm/W | 2,800 lm | Beam angle 100° |
| 51240500 | SM136V 31S_37S_43S/840 PSD W20L150 OC | 4000 K | 140 lm/W | 3,100 lm | Beam angle 84° |
| 51235100 | SM136V 31S_37S_43S/840 PSD W20L120 OC | 4000 K | 140 lm/W | 3,100 lm | Beam angle 84° |
| 51232000 | SM136V 31S_37S_43S/840 PSU W20L120 OC | 4000 K | 140 lm/W | 3,100 lm | Beam angle 84° |
| 51236800 | SM136V 28S_34S_40S/830 PSU W20L150 NOC | 3000 K | 130 lm/W | 2,800 lm | Beam angle 100° |
| 51237500 | SM136V 31S_37S_43S/840 PSU W20L150 NOC | 4000 K | 135 lm/W | 3,100 lm | Beam angle 100° |
| 51239900 | SM136V 28S_34S_40S/830 PSD W20L150 OC | 3000 K | 135 lm/W | 2,800 lm | Beam angle 84° |
| 51233700 | SM136V 31S_37S_43S/840 PSD W20L120 NOC | 4000 K | 135 lm/W | 3,100 lm | Beam angle 100° |
| 51234400 | SM136V 28S_34S_40S/830 PSD W20L120 OC | 3000 K | 135 lm/W | 2,800 lm | Beam angle 84° |

Operating and Electrical

| Order Code | Full Product Name | Protection class IEC |
|------------|--|----------------------|
| 51238200 | SM136V 31S_37S_43S/840 PSU W20L150 OC | Safety class I |
| 51231300 | SM136V 31S_37S_43S/840 PSU W20L120 NOC | Safety class I |
| 51230600 | SM136V 28S_34S_40S/830 PSU W20L120 NOC | Safety class I |
| 51240500 | SM136V 31S_37S_43S/840 PSD W20L150 OC | Safety class II |
| 51235100 | SM136V 31S_37S_43S/840 PSD W20L120 OC | Safety class II |
| 51232000 | SM136V 31S_37S_43S/840 PSU W20L120 OC | Safety class I |

| Order Code | Full Product Name | Protection class IEC |
|------------|--|----------------------|
| 51236800 | SM136V 28S_34S_40S/830 PSU W20L150 NOC | Safety class I |
| 51237500 | SM136V 31S_37S_43S/840 PSU W20L150 NOC | Safety class I |
| 51239900 | SM136V 28S_34S_40S/830 PSD W20L150 OC | Safety class II |
| 51233700 | SM136V 31S_37S_43S/840 PSD W20L120 NOC | Safety class II |
| 51234400 | SM136V 28S_34S_40S/830 PSD W20L120 OC | Safety class II |

Controls and Dimming

CoreLine surface-mounted

| Order Code | Full Product Name | Maximum dim | |
|------------|---|-------------|-------|
| | | Dimmable | level |
| 51238200 | SM136V 31S_37S_43S/840 PSU W20L150 OC | No | - |
| 51231300 | SM136V 31S_37S_43S/840 PSU W20L120 NOC | No | - |
| 51230600 | SM136V 28S_34S_40S/830 PSU W20L120 NOC | No | - |
| 51240500 | SM136V 31S_37S_43S/840 PSD W20L150 OC | Yes | 3% |
| 51235100 | SM136V 31S_37S_43S/840 PSD W20L120 OC | Yes | 3% |
| 51232000 | SM136V 31S_37S_43S/840 PSU W20L120 OC | No | - |
| 51236800 | SM136V 28S_34S_40S/830 PSU W20L150 NOC | No | - |

| Order Code | Full Product Name | Maximum dim | |
|------------|---|-------------|-------|
| | | Dimmable | level |
| 51237500 | SM136V 31S_37S_43S/840 PSU W20L150 NOC | No | - |
| 51239900 | SM136V 28S_34S_40S/830 PSD W20L150 OC | Yes | 3% |
| 51233700 | SM136V 31S_37S_43S/840 PSD W20L120 NOC | Yes | 3% |
| 51234400 | SM136V 28S_34S_40S/830 PSD W20L120 OC | Yes | 3% |

Initial Performance (IEC Compliant)

| Order Code | Full Product Name | Initial chromaticity |
|------------|--|----------------------|
| 51238200 | SM136V 31S_37S_43S/840 PSU W20L150 OC | (0.38, 0.38) SDCM ≤3 |
| 51231300 | SM136V 31S_37S_43S/840 PSU W20L120 NOC | (0.38, 0.38) SDCM ≤3 |
| 51230600 | SM136V 28S_34S_40S/830 PSU W20L120 NOC | (0.43, 0.40) SDCM ≤3 |
| 51240500 | SM136V 31S_37S_43S/840 PSD W20L150 OC | (0.38, 0.38) SDCM ≤3 |
| 51235100 | SM136V 31S_37S_43S/840 PSD W20L120 OC | (0.38, 0.38) SDCM ≤3 |
| 51232000 | SM136V 31S_37S_43S/840 PSU W20L120 OC | (0.38, 0.38) SDCM ≤3 |

| Order Code | Full Product Name | Initial chromaticity |
|------------|--|----------------------|
| 51236800 | SM136V 28S_34S_40S/830 PSU W20L150 NOC | (0.43, 0.40) SDCM ≤3 |
| 51237500 | SM136V 31S_37S_43S/840 PSU W20L150 NOC | (0.38, 0.38) SDCM ≤3 |
| 51239900 | SM136V 28S_34S_40S/830 PSD W20L150 OC | (0.43, 0.40) SDCM ≤3 |
| 51233700 | SM136V 31S_37S_43S/840 PSD W20L120 NOC | (0.38, 0.38) SDCM ≤3 |
| 51234400 | SM136V 28S_34S_40S/830 PSD W20L120 OC | (0.43, 0.40) SDCM ≤3 |

