



CoreLine Recessed – the clear choice for LED

CoreLine recessed

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 Recessed 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 savings of up to 45% compared to functional TL-D luminaires
- Slim design with a height of less than 35 mm

Features

- Integrated LED technology
- Slim housing
- Surface-mounted version also available (also suitable for suspension)

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

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Versions

RC136B 31S_37S_43S/840 PSU
W60L60 NOC W3_SPP



RC136B 31S_37S_43S/840 PSD
W30L120 OC_SPP



RC136B 31S_37S_43S/840 PSU
W60L60 OC_SPP



RC136B 28S_34S_40S/830 PSU
W60L60 NOC W3_SPP



RC136B 31S_37S_43S/840 PSD
W60L60 NOC W5_SPP



RC136B 28S_34S_40S/830 PSD
W60L60 OC_SPP



RC136B 31S_37S_43S/840 PSD
W60L60 OC_SPP



RC136B 28S_34S_40S/830 PSD
W30L120 OC_SPP



RC136B 31S_37S_43S/840 PSD
W60L60 OC W5_SPP



RC136B 28S_34S_40S/830 PSD
W60L60 OC W5_SPP



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RC136B 28S_34S_40S/830 PSU
W60L60 NOC_SPP



RC136B 31S_37S_43S/840 PSU
W60L60 NOC_SPP



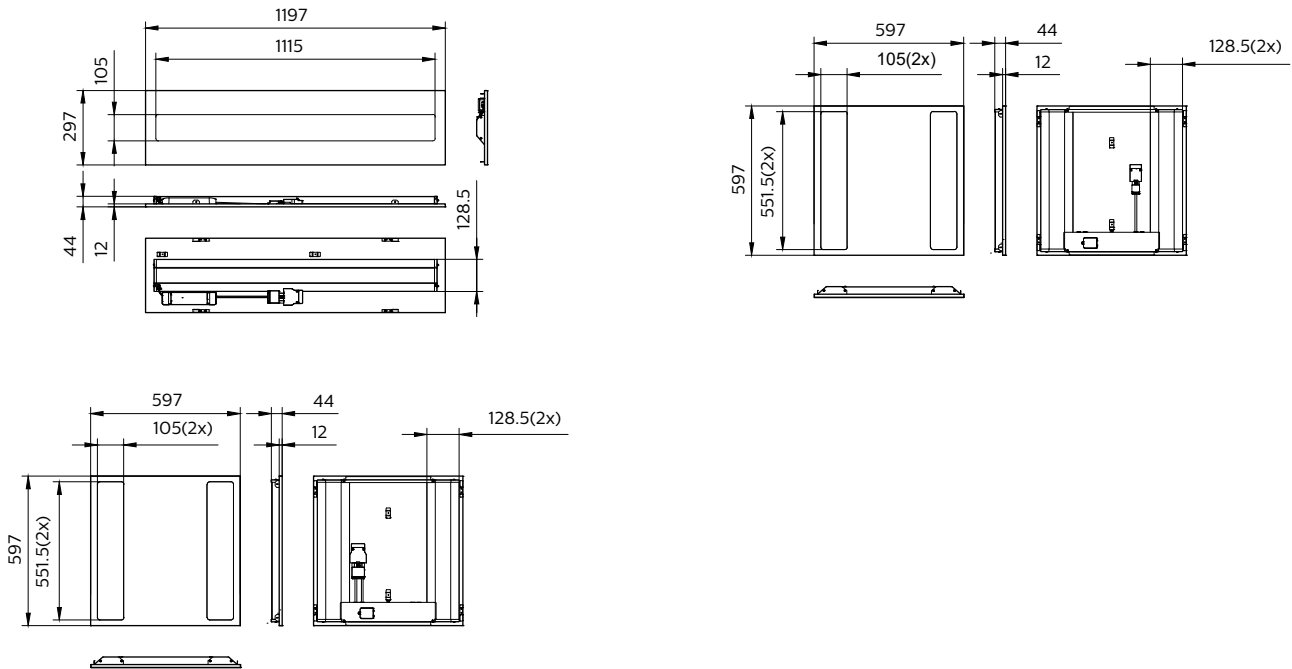
RC136B 31S_37S_43S/840 PSD
W60L60 NOC_SPP



RC136B 31S_37S_43S/840 PSU
W60L60 OC W3_SPP



Dimensional drawing



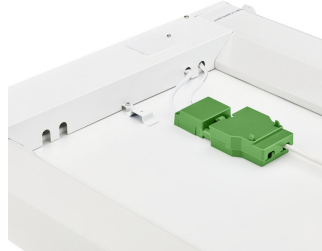
CoreLine recessed

Product details

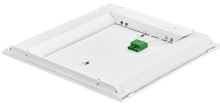
CoreLine Recessed Backside



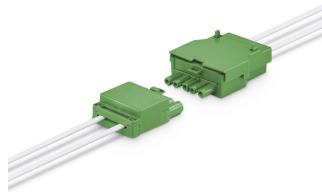
CoreLine Recessed Backside with connector



CoreLine Recessed Backside

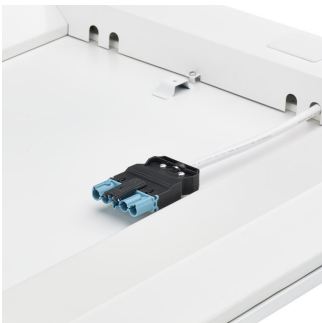


CoreLine Recessed connector PSD (dali)



CoreLine Recessed in ceiling

CoreLine_Recessed_RC136B_60x60



CoreLine Recessed Wileland

CoreLine Recessed

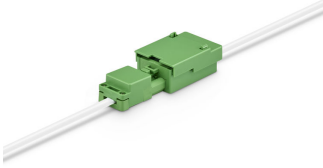


CoreLine Recessed connector PSU (On/Off)

CoreLine recessed

Product details

CoreLine Recessed connector PSU
(On/Off)



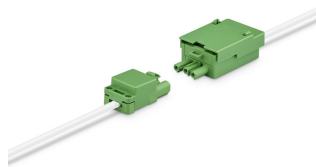
CoreLine Recessed Edge



CoreLine Recessed Edge



CoreLine Recessed connector PSU
(On/Off)



CoreLine Recessed Safety Cable



CoreLine Recessed in ceiling



Wieland W5 Dali Connector



CoreLine recessed

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)	1.6

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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Light Technical

Order Code	Full Product Name	Correlated Color	Luminous		Optic type
		Temperature (Nom)	Efficacy (rated) (Nom)	Luminous Flux	
51225200	RC136B 31S_37S_43S/840 PSU W60L60 NOC W3	4000 K	135 lm/W	3,100 lm	Beam angle 100°
51223800	RC136B 31S_37S_43S/840 PSD W30L120 OC	4000 K	140 lm/W	3,100 lm	Beam angle 84°
51218400	RC136B 31S_37S_43S/840 PSU W60L60 OC	4000 K	140 lm/W	3,100 lm	Beam angle 84°
51224500	RC136B 28S_34S_40S/830 PSU W60L60 NOC W3	3000 K	130 lm/W	2,800 lm	Beam angle 100°
51227600	RC136B 31S_37S_43S/840 PSD W60L60 NOC W5	4000 K	135 lm/W	3,100 lm	Beam angle 100°
51220700	RC136B 28S_34S_40S/830 PSD W60L60 OC	3000 K	135 lm/W	2,800 lm	Beam angle 84°
51221400	RC136B 31S_37S_43S/840 PSD W60L60 OC	4000 K	140 lm/W	3,100 lm	Beam angle 84°
51222100	RC136B 28S_34S_40S/830 PSD W30L120 OC	3000 K	135 lm/W	2,800 lm	Beam angle 84°
51229000	RC136B 31S_37S_43S/840 PSD W60L60 OC W5	4000 K	140 lm/W	3,100 lm	Beam angle 84°
51228300	RC136B 28S_34S_40S/830 PSD W60L60 OC W5	3000 K	135 lm/W	2,800 lm	Beam angle 84°
51216000	RC136B 28S_34S_40S/830 PSU W60L60 NOC	3000 K	130 lm/W	2,800 lm	Beam angle 100°
51217700	RC136B 31S_37S_43S/840 PSU W60L60 NOC	4000 K	135 lm/W	3,100 lm	Beam angle 100°
51219100	RC136B 31S_37S_43S/840 PSD W60L60 NOC	4000 K	135 lm/W	3,100 lm	Beam angle 100°
51226900	RC136B 31S_37S_43S/840 PSU W60L60 OC W3	4000 K	140 lm/W	3,100 lm	Beam angle 84°

Operating and Electrical

Order Code	Full Product Name	Protection class IEC	Order Code	Full Product Name	Protection class IEC
51225200	RC136B 31S_37S_43S/840 PSU W60L60 NOC W3	Safety class I	51222100	RC136B 28S_34S_40S/830 PSD W30L120 OC	Safety class II
51223800	RC136B 31S_37S_43S/840 PSD W30L120 OC	Safety class II	51229000	RC136B 31S_37S_43S/840 PSD W60L60 OC W5	Safety class II
51218400	RC136B 31S_37S_43S/840 PSU W60L60 OC	Safety class I	51228300	RC136B 28S_34S_40S/830 PSD W60L60 OC W5	Safety class II
51224500	RC136B 28S_34S_40S/830 PSU W60L60 NOC W3	Safety class I	51216000	RC136B 28S_34S_40S/830 PSU W60L60 NOC	Safety class I
51227600	RC136B 31S_37S_43S/840 PSD W60L60 NOC W5	Safety class II	51217700	RC136B 31S_37S_43S/840 PSU W60L60 NOC	Safety class I
51220700	RC136B 28S_34S_40S/830 PSD W60L60 OC	Safety class II	51219100	RC136B 31S_37S_43S/840 PSD W60L60 NOC	Safety class II
51221400	RC136B 31S_37S_43S/840 PSD W60L60 OC	Safety class II	51226900	RC136B 31S_37S_43S/840 PSU W60L60 OC W3	Safety class I

Controls and Dimming

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Order Code	Full Product Name	Dimmable	Maximum dim level
51225200	RC136B 31S_37S_43S/840 PSU W60L60 NOC W3	No	-
51223800	RC136B 31S_37S_43S/840 PSD W30L120 OC	Yes	3%
51218400	RC136B 31S_37S_43S/840 PSU W60L60 OC	No	-
51224500	RC136B 28S_34S_40S/830 PSU W60L60 NOC W3	No	-
51227600	RC136B 31S_37S_43S/840 PSD W60L60 NOC W5	Yes	3%
51220700	RC136B 28S_34S_40S/830 PSD W60L60 OC	Yes	3%
51221400	RC136B 31S_37S_43S/840 PSD W60L60 OC	Yes	3%
51222100	RC136B 28S_34S_40S/830 PSD W30L120 OC	Yes	3%

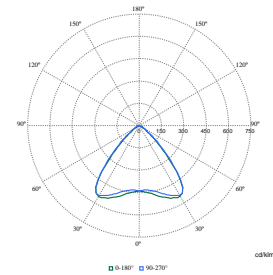
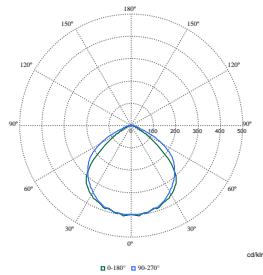
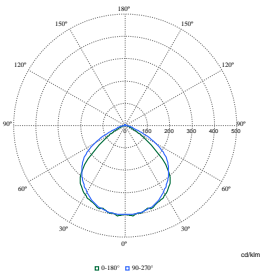
Order Code	Full Product Name	Dimmable	Maximum dim level
51229000	RC136B 31S_37S_43S/840 PSD W60L60 OC W5	Yes	3%
51228300	RC136B 28S_34S_40S/830 PSD W60L60 OC W5	Yes	3%
51216000	RC136B 28S_34S_40S/830 PSU W60L60 NOC	No	-
51217700	RC136B 31S_37S_43S/840 PSU W60L60 NOC	No	-
51219100	RC136B 31S_37S_43S/840 PSD W60L60 NOC	Yes	3%
51226900	RC136B 31S_37S_43S/840 PSU W60L60 OC W3	No	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
51225200	RC136B 31S_37S_43S/840 PSU W60L60 NOC W3	(0.38, 0.38) SDCM \leq 3
51223800	RC136B 31S_37S_43S/840 PSD W30L120 OC	(0.38, 0.38) SDCM \leq 3
51218400	RC136B 31S_37S_43S/840 PSU W60L60 OC	(0.38, 0.38) SDCM \leq 3
51224500	RC136B 28S_34S_40S/830 PSU W60L60 NOC W3	(0.43, 0.40) SDCM \leq 3
51227600	RC136B 31S_37S_43S/840 PSD W60L60 NOC W5	(0.38, 0.38) SDCM \leq 3
51220700	RC136B 28S_34S_40S/830 PSD W60L60 OC	(0.43, 0.40) SDCM \leq 3
51221400	RC136B 31S_37S_43S/840 PSD W60L60 OC	(0.38, 0.38) SDCM \leq 3

Order Code	Full Product Name	Initial chromaticity
51222100	RC136B 28S_34S_40S/830 PSD W30L120 OC	(0.43, 0.40) SDCM \leq 3
51229000	RC136B 31S_37S_43S/840 PSD W60L60 OC W5	(0.38, 0.38) SDCM \leq 3
51228300	RC136B 28S_34S_40S/830 PSD W60L60 OC W5	(0.43, 0.40) SDCM \leq 3
51216000	RC136B 28S_34S_40S/830 PSU W60L60 NOC	(0.43, 0.40) SDCM \leq 3
51217700	RC136B 31S_37S_43S/840 PSU W60L60 NOC	(0.38, 0.38) SDCM \leq 3
51219100	RC136B 31S_37S_43S/840 PSD W60L60 NOC	(0.38, 0.38) SDCM \leq 3
51226900	RC136B 31S_37S_43S/840 PSU W60L60 OC W3	(0.38, 0.38) SDCM \leq 3

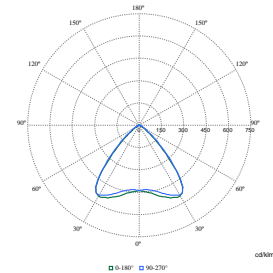
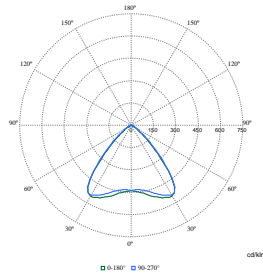
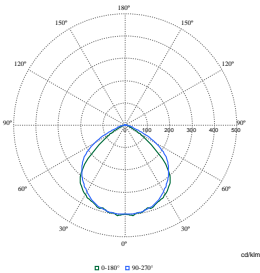
Polar Wide Diagrams



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Polar Normal (separate) - 911401880381

Polar Normal (separate) - 911401880481

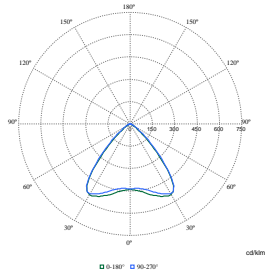


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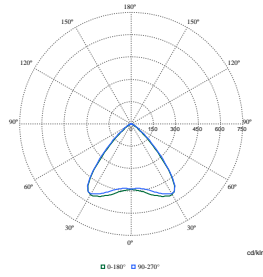
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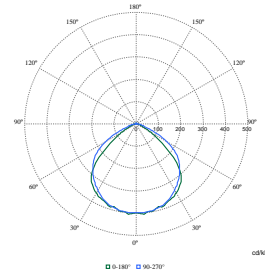
Polar Wide Diagrams



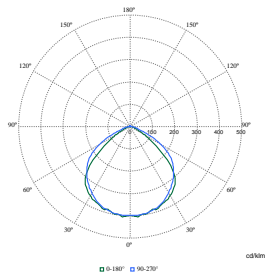
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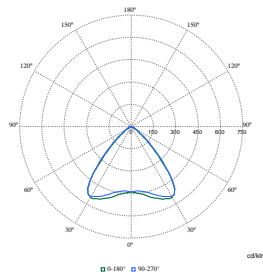
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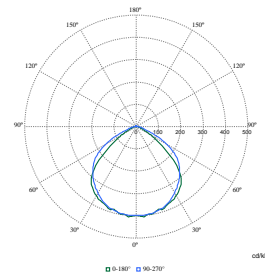
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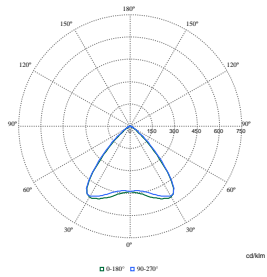
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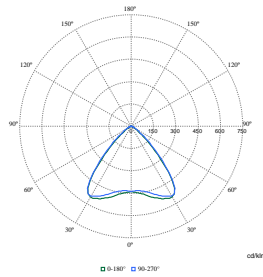
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Polar Normal (separate) - 911401881581

