PHILIPS

Lighting



CoreLine FastSet surface-mounted: easy installation, excellent illumination

CoreLine Fastset, surface-mounted

Philips CoreLine FastSet is a 1:1 energy-efficient LED replacement for conventional indoor surface-mounted lights. With identical lumen packages to fluorescent lighting, there's no need to make new lighting calculations for retrofit projects – thanks to the all-in-one design, you can switch between correlated color temperatures (CCT) and lumen package in the same luminaire to suit your exact needs. Installation of these surface-mounted LED lights is fast and flexible too with a choice of simple through-wring, or cable entry from the side or back of the luminaire. That means CoreLine FastSet indoor surface-mounted lights are easy to mount as a standalone fixture, directly to the surface-mounted or using brackets. You can also create a line of light due to straight end-caps with head to head mounting. It is also easy to connect them to other CoreLine Fastset luminaires to create harmonious lines of light. Should you require it, accessories are also available to adapt the CoreLine fixtures for suspended mounting. As you'd expect from Philips, safety is designed into every CoreLine FastSet luminaire. Not only are the IP44 and IK06 rated to protect against accidental impact, the captive safety pins on the luminaire cover also prevents it from falling. Interact Ready options are available for smart lighting applications. So with CoreLine FastSet surface-mounted LED lights, you have the perfect solution for high circulation areas such as hallways and staircase lighting.

CoreLine Fastset, surface-mounted

Benefits

- Retrofit replacement in energy-efficient LED
- All-in-one: switch between a choice of four lumen packages (From 1700 lm to 6000 lm) and two color temperatures (3000K, 4000K) in one luminaire
- Install as standalone fixtures or connect to create lines of light
- Fast and easy installation
- Choice of mounting options: direct to ceiling or using brackets

Features

- Up to 154 lm/W
- Identical lumen packages to fluorescent 2400-6000 lm
- Choice of standard lengths: 600mm, 1200mm and 1500mm
- Easy installation with simple through wiring and three cable entry options
- Accessories available for suspension and line mounting
- IP44 protection and IK06 impact resistance
- Interact Ready version available for smart lighting applications
- On/Off, DALI and connected versions available

Application

- Offices
- Parking Garages
- Education
- Healthcare
- Schools

Versions

CoreLine FastSet All-in SM155C L600 RTP



CoreLine FastSet SM155C L1500 RTP



CoreLine FastSet All-in SM155C L1500 RTP



CoreLine Fastset, surface-mounted

Versions

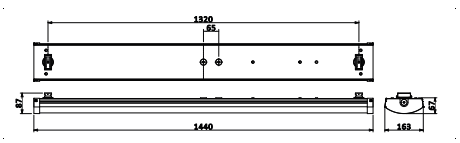
CoreLine FastSet All-in SM155C L1200 RTP

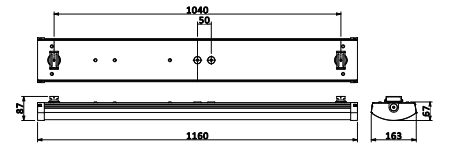


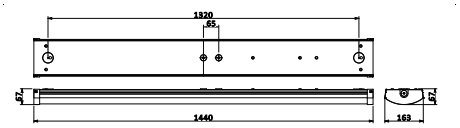
CoreLine FastSet SM155C L1200 RTP

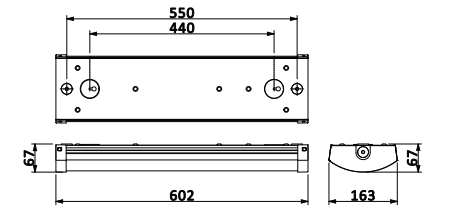


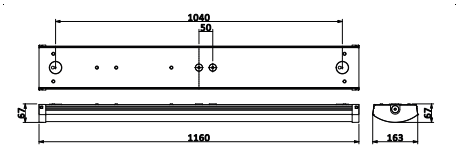
Dimensional drawing

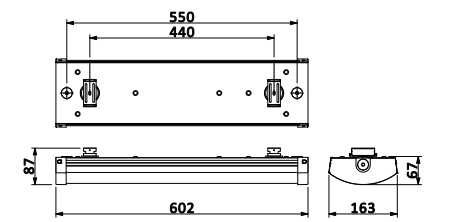












CoreLine Fastset, surface-mounted

Product details



CoreLine FastSet SM155C_captive pins open_DPP



CoreLine FastSet SM155C_Backside L600_DPP



CoreLine FastSet SM155C_End cap + suspension set_DPP



CoreLine FastSet SM155C_cable entrance backside_DPP



CoreLine FastSet SM155C_End cap + bracket_DPP



CoreLine FastSet SM155C_Inside luminaire_DPP



CoreLine FastSet SM155C_Backside L1200_DPP



CoreLine FastSet SM155C_Backside L1500_DPP



CoreLine FastSet SM155C_captive pins open scrwedriver_DPP

Product details

CoreLine FastSet SM155C_End cap 1_DPP



CoreLine FastSet_Brackets in the box



CoreLine FastSet SM155C_End cap 2_DPP



CoreLine FastSet SM155C_side_DPP



CoreLine FastSet SM155C_captive pins closed_DPP



CoreLine FastSet SM155C_connection_DPP



CoreLine Fastset, surface-mounted

General Information	
Driver included	Yes
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Color rendering index (CRI)	>80
Optic type	Opal
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Mechanical and Housing	
Housing Color	White
Mech. impact protection code	IK06
Ingress protection code	IP20/44
Approval and Application	
Ambient temperature range	-20 °C to 45 °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
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	All-in Type	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401841385	SM155C 17_26S/830_840 PSU TW3 PI5 L602	All-in, Multi Lumen	3000 K	142 lm/W	1,700 lm
911401803287	SM155C 48S/830_840 WIA TW3 PI5 L1160	All-in, Multi Color Temperature	3000 K	139 lm/W	4,800 lm
911401803387	SM155C 60S/830_840 WIA TW3 PI5 L1440	All-in, Multi Color Temperature	3000 K	138 lm/W	6,000 lm
911401803487	SM155C 26S/830_840 WIA TW3 PI5 L602	All-in, Multi Color Temperature	3000 K	130 lm/W	2,600 lm
911401803587	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	All-in, Multi Lumen	3000 K	146 lm/W	3,000 lm
911401803687	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	All-in, Multi Lumen	3000 K	145 lm/W	3,700 lm
911401841285	SM155C 60S/840 PSU TW3 PI5 L1440	-	4000 K	140 lm/W	6,000 lm
911401841585	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	All-in, Multi Lumen	3000 K	148 lm/W	3,700 lm
911401841485	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	All-in, Multi Lumen	3000 K	150 lm/W	3,000 lm
911401841185	SM155C 48S/840 PSU TW3 PI5 L1160	-	4000 K	140 lm/W	4,800 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Suitable for random switching
911401841385	SM155C 17_26S/830_840 PSU TW3 PI5 L602	20 W	No
911401803287	SM155C 48S/830_840 WIA TW3 PI5 L1160	34.5 W	Yes
911401803387	SM155C 60S/830_840 WIA TW3 PI5 L1440	43.5 W	Yes
911401803487	SM155C 26S/830_840 WIA TW3 PI5 L602	20.5 W	Yes
911401803587	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	34.5 W	Yes

Order Code	Full Product Name	Power Consumption	Suitable for random switching
911401803687	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	43.5 W	Yes
911401841285	SM155C 60S/840 PSU TW3 PI5 L1440	43 W	No
911401841585	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	43 W	No
911401841485	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	34 W	No
911401841185	SM155C 48S/840 PSU TW3 PI5 L1160	34 W	No

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
911401841385	SM155C 17_26S/830_840 PSU TW3 PI5 L602	No	Not applicable
911401803287	SM155C 48S/830_840 WIA TW3 PI5 L1160	Yes	1%
911401803387	SM155C 60S/830_840 WIA TW3 PI5 L1440	Yes	1%
911401803487	SM155C 26S/830_840 WIA TW3 PI5 L602	Yes	1%
911401803587	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	Yes	1%
911401803687	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	Yes	1%
911401841285	SM155C 60S/840 PSU TW3 PI5 L1440	No	Not applicable
911401841585	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	No	Not applicable
911401841485	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	No	Not applicable
911401841185	SM155C 48S/840 PSU TW3 PI5 L1160	No	Not applicable

Emergency Operation

Order Code	Full Product Name	Central Emergency	Emergency lighting	Emergency flux	Power consumption during Central DC emergency mode
911401841385	SM155C 17_26S/830_840 PSU TW3 PI5 L602	No	-	-	-
911401803287	SM155C 48S/830_840 WIA TW3 PI5 L1160	No	-	-	-
911401803387	SM155C 60S/830_840 WIA TW3 PI5 L1440	No	-	-	-
911401803487	SM155C 26S/830_840 WIA TW3 PI5 L602	No	-	-	-
911401803587	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	Yes	DC operated central emergency lighting	420 lm	4.2 W
911401803687	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	Yes	DC operated central emergency lighting	530 lm	6 W
911401841285	SM155C 60S/840 PSU TW3 PI5 L1440	No	-	-	-
911401841585	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	No	-	-	-
911401841485	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	No	-	-	-
911401841185	SM155C 48S/840 PSU TW3 PI5 L1160	No	-	-	-

Approval and Application

Order Code	Full Product Name	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	Stroboscopic effect visibility measure (SVM)
911401841385	SM155C 17_26S/830_840 PSU TW3 PI5 L602	1	0.4
911401803287	SM155C 48S/830_840 WIA TW3 PI5 L1160	0.5	0.5

Order Code	Full Product Name	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	Stroboscopic effect visibility measure (SVM)
911401803387	SM155C 60S/830_840 WIA TW3 PI5 L1440	0.5	0.5
911401803487	SM155C 26S/830_840 WIA TW3 PI5 L602	0.5	0.5
911401803587	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	1	0.4
911401803687	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	1	0.4

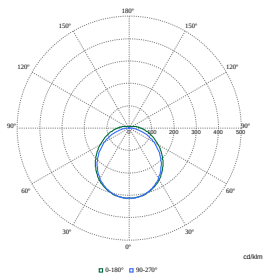
Order Code	Full Product Name	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	Stroboscopic effect visibility measure (SVM)
911401841285	SM155C 60S/840 PSU TW3 PI5 L1440	1	0.4
911401841585	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	1	0.4
911401841485	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	1	0.4
911401841185	SM155C 48S/840 PSU TW3 PI5 L1160	1	0.4

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401841385	SM155C 17_26S/830_840 PSU TW3 PI5 L602	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
911401803287	SM155C 48S/830_840 WIA TW3 PI5 L1160	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
911401803387	SM155C 60S/830_840 WIA TW3 PI5 L1440	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
911401803487	SM155C 26S/830_840 WIA TW3 PI5 L602	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
911401803587	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3

Order Code	Full Product Name	Initial chromaticity
911401803687	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
911401841285	SM155C 60S/840 PSU TW3 PI5 L1440	(0.38,0.38)SDCM<3
911401841585	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
911401841485	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
911401841185	SM155C 48S/840 PSU TW3 PI5 L1160	(0.38,0.38)SDCM<3

Polar Wide Diagrams



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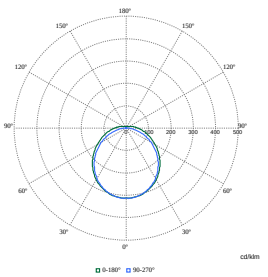

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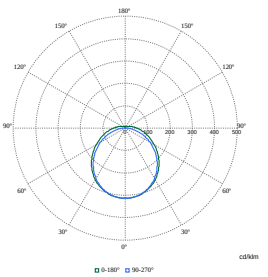

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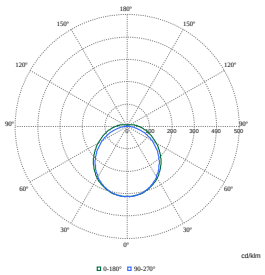
CoreLine Fastset, surface-mounted

Polar Wide Diagrams



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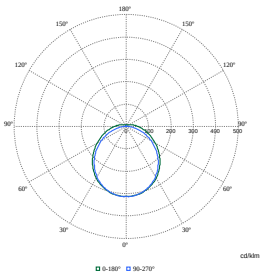

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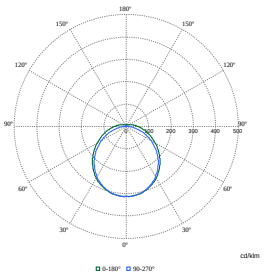

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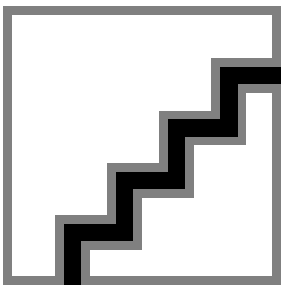

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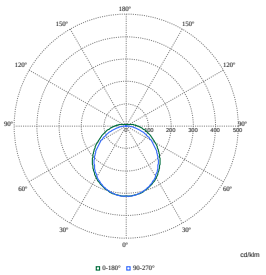

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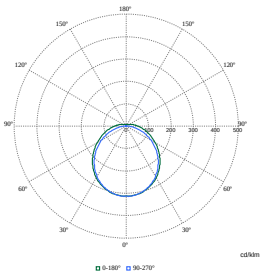

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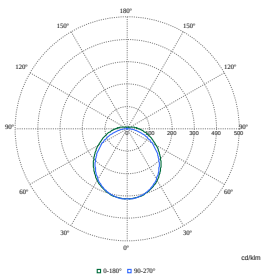

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