



Philips 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 colour temperatures (CCT) and lumen packages 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-wiring or cable entry from the side or back of the luminaire. This means that CoreLine FastSet indoor surface-mounted lights are easy to mount as a standalone fixture, directly to the surface required 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 prevent 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.

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Benefits

- Retrofit replacement in energy-efficient LED
- All-in-one: switch between a choice of four lumen packages (from 1,700 lm to 6,000 lm) and two colour temperatures (3,000 K, 4,000 K) 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 2,400-6,000 lm
- Choice of standard lengths: 600 mm, 1,200 mm and 1,500 mm
- 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
- Car parks
- Education
- Healthcare
- Schools

Versions

CoreLine FastSet All-in SM155C
L600 RTP



CoreLine FastSet SM155C_wall-
mounted horizontal 1_SPP



CoreLine FastSet SM155C L1500
RTP



CoreLine FastSet All-in SM155C
L1500 RTP



CoreLine FastSet, surface-mounted

Versions

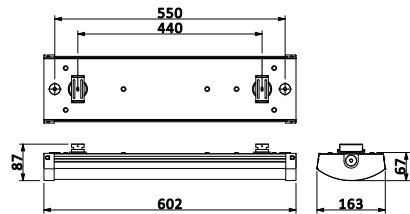
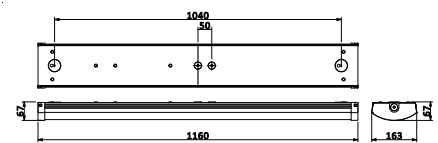
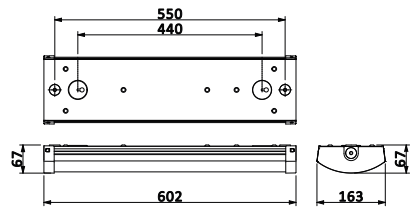
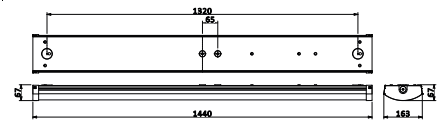
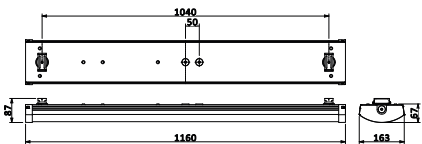
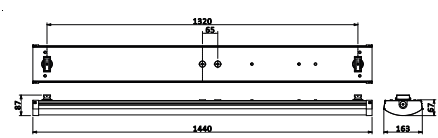
CoreLine FastSet All-in SM155C
L1200 RTP



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

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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	Unit
Service Tag	Yes
Light Technical	
Colour 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 Colour	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	Luminous	Luminous Flux
			Colour Temperature (Nom)	efficacy (rated) (nom.)	
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	All-in, Multi Lumen	3000 K	130 lm/W	1,700 lm
75070899	SM155C 48S/830_840 WIA TW3 PI5 L1160	All-in, Multi Color Temperature	3000 K	139 lm/W	4,800 lm
75071599	SM155C 60S/830_840 WIA TW3 PI5 L1440	All-in, Multi Color Temperature	3000 K	138 lm/W	6,000 lm
75072299	SM155C 26S/830_840 WIA TW3 PI5 L602	All-in, Multi Color Temperature	3000 K	130 lm/W	2,600 lm
75073999	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	All-in, Multi Lumen	3000 K	139 lm/W	3,000 lm
75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	All-in, Multi Lumen	3000 K	138 lm/W	3,700 lm
51014299	SM155C 60S/840 PSU TW3 PI5 L1440	-	4000 K	140 lm/W	6,000 lm
51017399	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	All-in, Multi Lumen	3000 K	140 lm/W	3,700 lm
51016699	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	All-in, Multi Lumen	3000 K	140 lm/W	3,000 lm
51013599	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	Order Code	Full Product Name	Power Consumption	Suitable for random switching
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	20 W	No	75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	43.5 W	Yes
75070899	SM155C 48S/830_840 WIA TW3 PI5 L1160	34.5 W	Yes	51014299	SM155C 60S/840 PSU TW3 PI5 L1440	43 W	No
75071599	SM155C 60S/830_840 WIA TW3 PI5 L1440	43.5 W	Yes	51017399	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	43 W	No
75072299	SM155C 26S/830_840 WIA TW3 PI5 L602	20.5 W	Yes	51016699	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	34 W	No
75073999	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	34.5 W	Yes	51013599	SM155C 48S/840 PSU TW3 PI5 L1160	34 W	No

Controls and Dimming

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Order Code	Full Product Name	Dimmable	Maximum dim level
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	No	Not applicable
75070899	SM155C 48S/830_840 WIA TW3 PI5 L1160	Yes	1%
75071599	SM155C 60S/830_840 WIA TW3 PI5 L1440	Yes	1%
75072299	SM155C 26S/830_840 WIA TW3 PI5 L602	Yes	1%
75073999	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	Yes	1%
75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	Yes	1%

Order Code	Full Product Name	Dimmable	Maximum dim level
51014299	SM155C 60S/840 PSU TW3 PI5 L1440	No	Not applicable
51017399	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	No	Not applicable
51016699	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	No	Not applicable
51013599	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
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	No	-	-	-
75070899	SM155C 48S/830_840 WIA TW3 PI5 L1160	No	-	-	-
75071599	SM155C 60S/830_840 WIA TW3 PI5 L1440	No	-	-	-
75072299	SM155C 26S/830_840 WIA TW3 PI5 L602	No	-	-	-
75073999	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	Yes	DC operated central emergency lighting	420 lm	4.2 W
75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	Yes	DC operated central	530 lm	6 W

Order Code	Full Product Name	Central Emergency	Emergency lighting	Emergency flux	Power consumption during Central DC emergency mode
51014299	SM155C 60S/840 PSU TW3 PI5 L1440	No	emergency lighting	-	-
51017399	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	No	-	-	-
51016699	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	No	-	-	-
51013599	SM155C 48S/840 PSU TW3 PI5 L1160	No	-	-	-

Approval and Application

Order Code	Full Product Name	Flickering value (PstLM)	Stroboscopic effect
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	1	0.4
75070899	SM155C 48S/830_840 WIA TW3 PI5 L1160	0.5	0.5
75071599	SM155C 60S/830_840 WIA TW3 PI5 L1440	0.5	0.5
75072299	SM155C 26S/830_840 WIA TW3 PI5 L602	0.5	0.5
75073999	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	1	0.4

Order Code	Full Product Name	Flickering value (PstLM)	Stroboscopic effect
75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	1	0.4
51014299	SM155C 60S/840 PSU TW3 PI5 L1440	1	0.4
51017399	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	1	0.4
51016699	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	1	0.4
51013599	SM155C 48S/840 PSU TW3 PI5 L1160	1	0.4

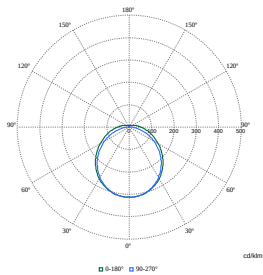
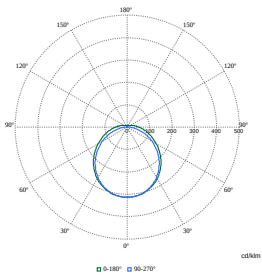
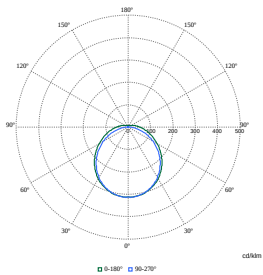
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Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
75070899	SM155C 48S/830_840 WIA TW3 PI5 L1160	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
75071599	SM155C 60S/830_840 WIA TW3 PI5 L1440	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
75072299	SM155C 26S/830_840 WIA TW3 PI5 L602	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
75073999	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
75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
51014299	SM155C 60S/840 PSU TW3 PI5 L1440	(0.38,0.38)SDCM<3
51017399	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
51016699	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
51013599	SM155C 48S/840 PSU TW3 PI5 L1160	(0.38,0.38)SDCM<3

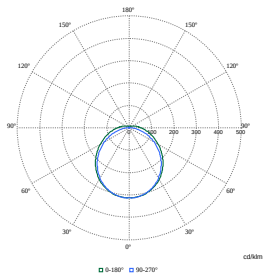
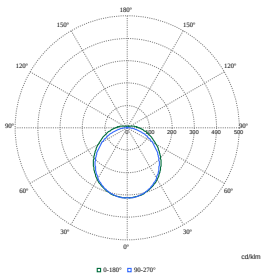
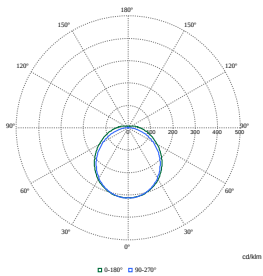
Polar Wide Diagrams



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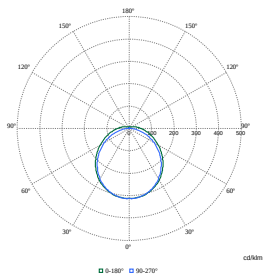
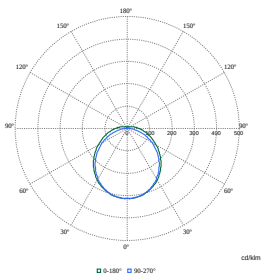
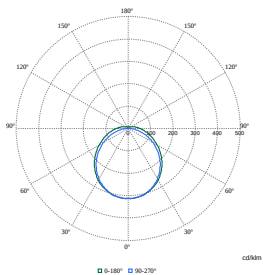
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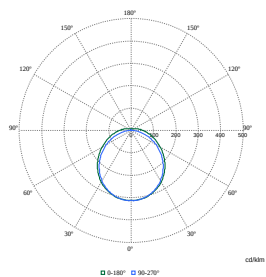
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CoreLine FastSet, surface-mounted

Polar Wide Diagrams



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