



# 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 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-wiring, 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

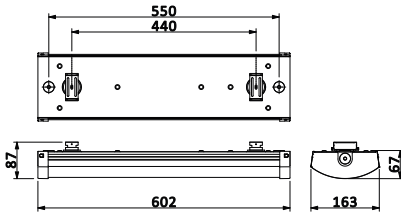
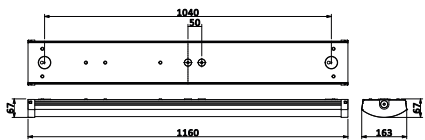
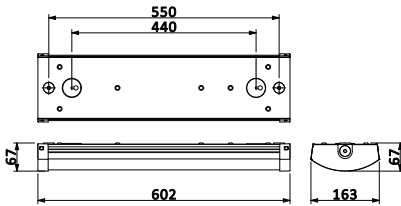
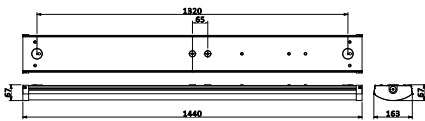
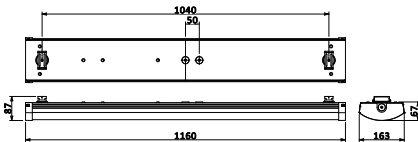
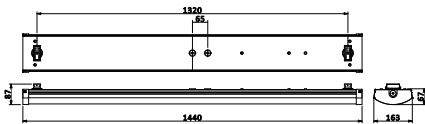
CoreLine FastSet All-in SM155C  
L1200 RTP



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

# CoreLine Fastset, surface-mounted

## 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
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

			Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	All-in, Multi Lumen	3000 K	130 lm/W	1,700 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

			Suitable for random switching
Order Code	Full Product Name	Power Consumption	
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	20 W	No
75073999	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	34.5 W	Yes
75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	43.5 W	Yes
51014299	SM155C 60S/840 PSU TW3 PI5 L1440	43 W	No

			Suitable for random switching
Order Code	Full Product Name	Power Consumption	
51017399	SM155C 37_60S/830_840 PSU TW3 PI5 L1440	43 W	No
51016699	SM155C 30_48S/830_840 PSU TW3 PI5 L1160	34 W	No
51013599	SM155C 48S/840 PSU TW3 PI5 L1160	34 W	No

Controls and Dimming

CoreLine Fastset, surface-mounted

Order Code	Full Product Name	Dimmable	Maximum dim level
51015999	SM155C 17_26S/830_840 PSU TW3 PI5 L602	No	Not applicable
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	-	-	-
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 emergency lighting	530 lm	6 W
51014299	SM155C 60S/840 PSU TW3 PI5 L1440	No	-	-	-

Order Code	Full Product Name	Central Emergency	Emergency lighting	Emergency flux	Power consumption during Central DC emergency mode
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	-	-	-

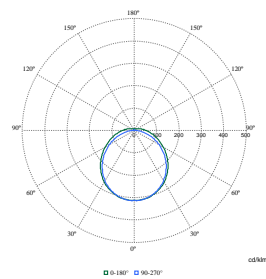
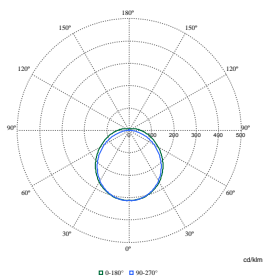
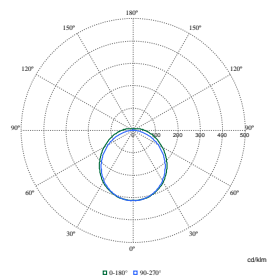
Initial Performance (IEC Compliant)

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
75073999	SM155C 30_48S/830_840 PSED TW1 PI5 L1160	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3
75074699	SM155C 37_60S/830_840 PSED TW1 PI5 L1440	(0.38,0.38)SDCM<3; (0.44,0.40)SDCM<3

Order Code	Full Product Name	Initial chromaticity
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

# CoreLine Fastset, surface-mounted

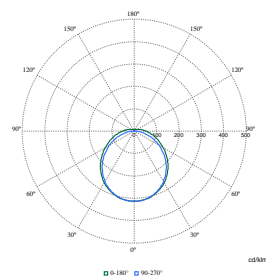
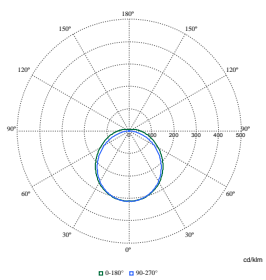
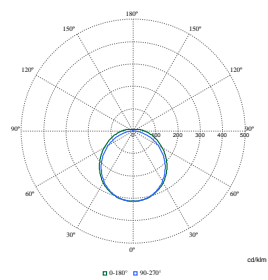
## Polar Wide Diagrams



Polar Normal (separate) - null - 911401841285

Polar Normal (separate) - null - 911401841485

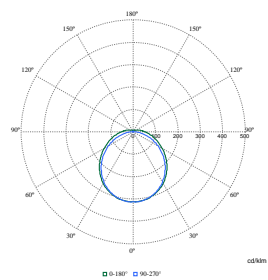
Polar Normal (separate) - null - 911401841385



Polar Normal (separate) - null - 911401841185

Polar Normal (separate) - null - 911401841585

Polar Normal (separate) - null - 911401803687



Polar Normal (separate) - null - 911401803587

