



# Philips CoreLine FastSet waterproof IP44: easy installation, excellent illumination

## CoreLine Fastset, waterproof

Philips CoreLine FastSet is a 1:1 energy-efficient LED replacement for conventional indoor IP44 waterproof 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 IP44 waterproof 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 IP44 waterproof lights are easy to mount as a standalone fixture, directly to the wall or using brackets. It is also easy to connect them to other CoreLine FastSet luminaires to create harmonious lines of light. 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 IP44 waterproof LED lights, you have the perfect solution for high circulation areas such as parking garages, laundry rooms and staircase lighting.

# CoreLine Fastset, waterproof

## Benefits

- Retrofit replacement in energy-efficient LED
- All-in-one: switch between a choice of two lumen packages (3,000 lm, 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

## Features

- Up to 140 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
- 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, waterproof

## Versions

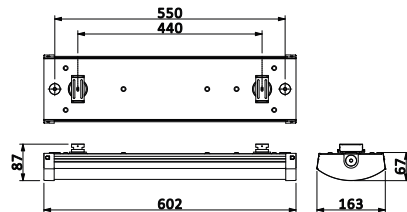
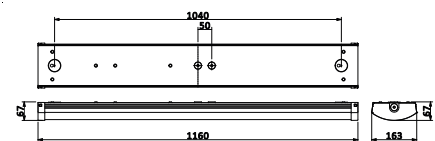
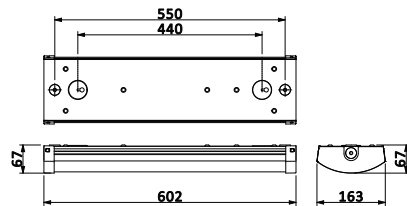
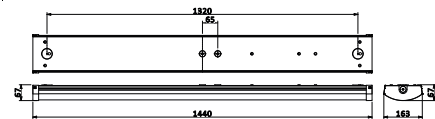
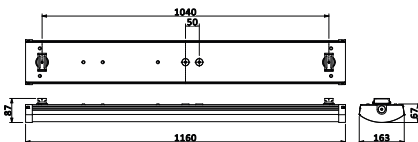
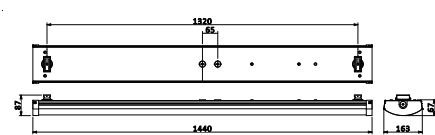
CoreLine FastSet All-in SM155C  
L1200 RTP



CoreLine FastSet SM155C L1200  
RTP



## Dimensional drawing



# CoreLine Fastset, waterproof

## 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, waterproof

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, waterproof

| 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 efficacy (rated) (nom.) | Luminous Flux |
|------------|------------------------------------------|---------------------------------|--------------------------|----------------------------------|---------------|
|            |                                          |                                 | Colour Temperature (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           |
| 51015999   | SM155C 17_26S/830_840 PSU TW3 PI5 L602   | 20 W              | No                  |
| 75070899   | SM155C 48S/830_840 WIA TW3 PI5 L1160     | 34.5 W            | Yes                 |
| 75071599   | SM155C 60S/830_840 WIA TW3 PI5 L1440     | 43.5 W            | Yes                 |
| 75072299   | SM155C 26S/830_840 WIA TW3 PI5 L602      | 20.5 W            | Yes                 |
| 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                  |
| 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, waterproof

| 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                 |

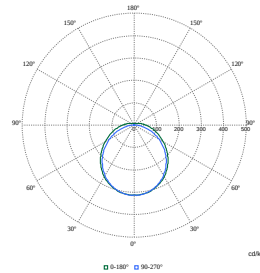
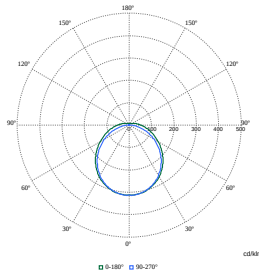
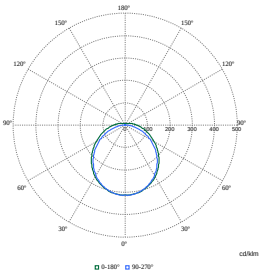
| Order Code | Full Product Name                        | Flickering value (PstLM) | Stroboscopic effect |
|------------|------------------------------------------|--------------------------|---------------------|
| 75074699   | SM155C 37_60S/830_840 PSED TW1 PI5 L1440 | 1                        | 0.4                 |
| 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                 |

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;<br>(0.44,0.40)SDCM<3 |
| 75070899   | SM155C 48S/830_840 WIA TW3 PI5 L1160     | (0.38,0.38)SDCM<3;<br>(0.44,0.40)SDCM<3 |
| 75071599   | SM155C 60S/830_840 WIA TW3 PI5 L1440     | (0.38,0.38)SDCM<3;<br>(0.44,0.40)SDCM<3 |
| 75072299   | SM155C 26S/830_840 WIA TW3 PI5 L602      | (0.38,0.38)SDCM<3;<br>(0.44,0.40)SDCM<3 |
| 75073999   | SM155C 30_48S/830_840 PSED TW1 PI5 L1160 | (0.38,0.38)SDCM<3;<br>(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;<br>(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;<br>(0.44,0.40)SDCM<3 |
| 51016699   | SM155C 30_48S/830_840 PSU TW3 PI5 L1160  | (0.38,0.38)SDCM<3;<br>(0.44,0.40)SDCM<3 |
| 51013599   | SM155C 48S/840 PSU TW3 PI5 L1160         | (0.38,0.38)SDCM<3                       |

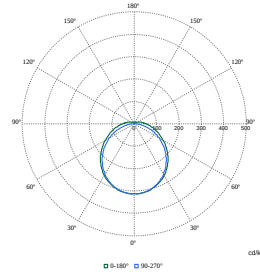
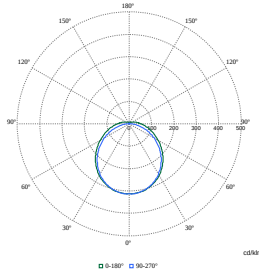
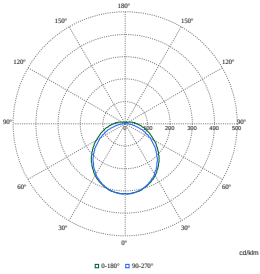
Polar Wide Diagrams



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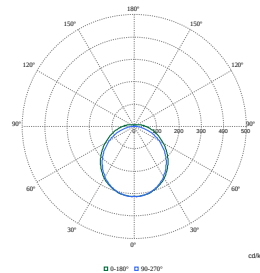
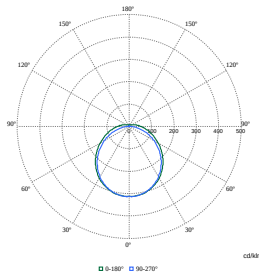
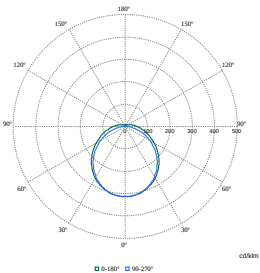
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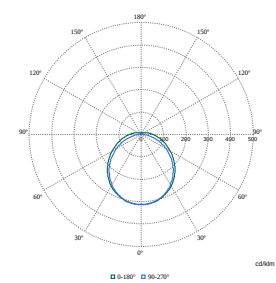
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# CoreLine Fastset, waterproof

## Polar Wide Diagrams



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