



FlexBlend heading the way to efficient and flexible furnished offices areas

FlexBlend, Surface-Mounted

Philips FlexBlend is an attractive family of surface-mounted and suspended luminaires, next to FlexBlend recessed. This luminaire range enables building owners to advance their lighting operations, by offering office-compliant lighting with a return on investment of less than three to four years. FlexBlend provides the required flexibility through an adaptable design. This gives the possibility to install the luminaires easily in the building, at any moment. Even when the luminaire is surface mounted, tomorrow it can be adapted to a suspended installation on site. And vice versa. . The surface-mounted and suspended luminaire range fits many different office spaces like open plan offices, corridors, reception areas or meeting rooms. FlexBlend is offered in both lines and as standalone, using the same lighting module. This gives users the option to use FlexBlend as standalone now, and tomorrow, as a line. The controller is integrated in the luminaire. As technology is changing fast, the ideal lighting solution is also expected to be ready to incorporate innovations that can help optimise operations further. For this reason, FlexBlend has all connectivity and future-ready options available. As a System Ready luminaire, it can be paired with lighting management systems such as the Philips SpaceWise, and to software-based lighting systems such as Interact Office wired (PoE) and Interact Office wireless and/or existing and upcoming sensor innovations. The luminaire range is therefore future-ready and can be delivered without any system component, and in the next phase, it can be upgraded on site. An attractive opportunity for new installations and renovations.

FlexBlend, Surface-Mounted

Benefits

- Return of investment less than three or four years
- A flexible office with the choice of luminaires to fit many office application areas
- Future ready: scalable and ready to be connected to controls and lighting systems

Features

- Fully office-compliant (UGR <19, L65 < 3,000 cd/sm), light level according to office application requirements
- Homogenous and uniform light effect and CRI90
- Various mounting options with suspended and surface mounted, dimensional variety and 3 Hour emergency versions
- Integrated sensors
- Ready to be connected to software-based lighting systems, such as Interact Office

Application

- Offices
- Education
- Healthcare

Warnings and Safety

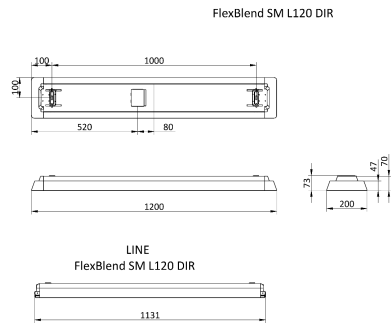
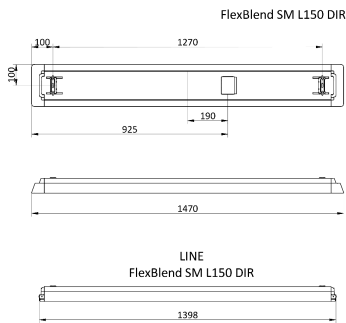
- The product is IP20 and as such is not protected against water ingress, so we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not followed and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe use and the product warranty will become void

Versions

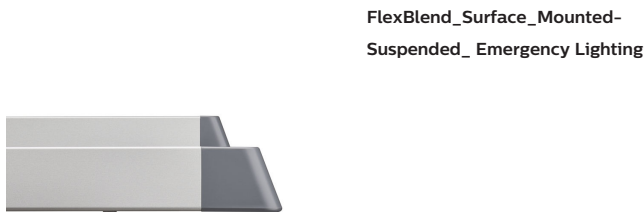
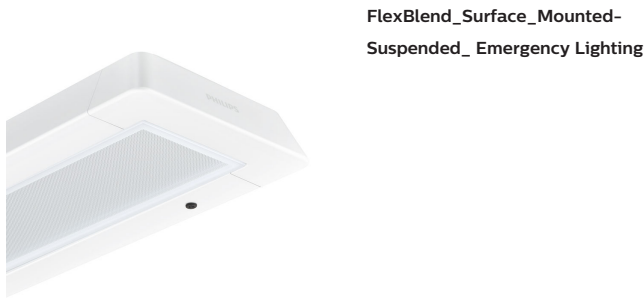
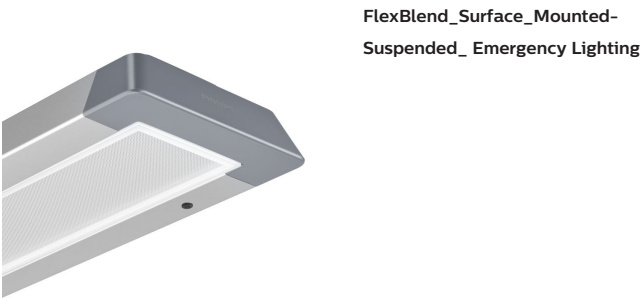


FlexBlend, Surface-Mounted

Dimensional drawing



Product details



FlexBlend, Surface-Mounted

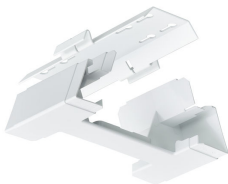
Product details



FlexBlend_Surface_Mounted-
SM340C-MLO-WH-SWZU-12DPP



FlexBlend Surface Mounted
SM340C WH



FlexBlend Suspended SP340P WH



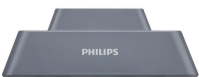
FlexBlend_Surface_Mounted-
Suspended_ Emergency Lighting



FlexBlend Surface Mounted
SM340C brackets



FlexBlend_Surface_Mounted-
Suspended_ Emergency Lighting



FlexBlend_Surface_Mounted-
Suspended_ Emergency Lighting



FlexBlend_Surface_Mounted-
Suspended_ Emergency Lighting

FlexBlend, Surface-Mounted

General Information	
CE mark	Yes
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	No
Number of gear units	Unit
Product family code	SM340C
Light Technical	
Correlated Colour Temperature	4000 K
Colour rendering index (CRI)	>90
Optic type	Wide beam
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Controls and Dimming	
Dimmable	Yes
Approval and Application	
Protection class IEC	Safety class I
Mech. impact protection code	IK02
Ingress protection code	IP20
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Application Conditions	
Maximum dim level	1%

General Information

Order Code	Full Product Name	ENEC mark	Glow-wire test
10369600	SM340C 35S/940 PSD MLO L150 WH	ENEC plus mark	Temperature 650 °C, duration 30 s
10397900	SM340C 36S/940 PSD MLO L120 WH	ENEC plus mark	Temperature 650 °C, duration 30 s
10377100	SM340C 35S/940 PSD O L150 WH	ENEC plus mark	Temperature 850 °C, duration 30 s
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	ENEC plus mark	Temperature 650 °C, duration 30 s
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	ENEC mark	Temperature 650 °C, duration 30 s
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	ENEC mark	Temperature 850 °C, duration 30 s
10361000	SM340C 35S/940 PSD PCS L150 WH	ENEC plus mark	Temperature 850 °C, duration 30 s
10395500	SM340C 36S/940 PSD PCS L120 WH	ENEC plus mark	Temperature 850 °C, duration 30 s

Light Technical

Order Code	Full Product Name	Luminous		
		Beam angle of light source	efficacy (rated) (nom.)	Luminous Flux
10369600	SM340C 35S/940 PSD MLO L150 WH	120 degree(s)	108 lm/W	3,500 lm
10397900	SM340C 36S/940 PSD MLO L120 WH	120 degree(s)	103 lm/W	3,600 lm
10377100	SM340C 35S/940 PSD O L150 WH	120 degree(s)	125 lm/W	3,500 lm
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	120 degree(s)	92 lm/W	3,600 lm

Order Code	Full Product Name	Luminous		
		Beam angle of light source	efficacy (rated) (nom.)	Luminous Flux
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	- degree(s)	118 lm/W	4,500 lm
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	- degree(s)	116 lm/W	3,600 lm
10361000	SM340C 35S/940 PSD PCS L150 WH	120 degree(s)	140 lm/W	3,500 lm
10395500	SM340C 36S/940 PSD PCS L120 WH	120 degree(s)	136 lm/W	3,600 lm

Operating and Electrical

FlexBlend, Surface-Mounted

Order Code	Full Product Name	Power Consumption
10369600	SM340C 35S/940 PSD MLO L150 WH	32.5 W
10397900	SM340C 36S/940 PSD MLO L120 WH	35 W
10377100	SM340C 35S/940 PSD O L150 WH	28 W
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	39 W

Temperature

Order Code	Full Product Name	Ambient temperature range
10369600	SM340C 35S/940 PSD MLO L150 WH	+10 to +40 °C
10397900	SM340C 36S/940 PSD MLO L120 WH	+10 to +40 °C
10377100	SM340C 35S/940 PSD O L150 WH	+10 to +40 °C
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	+10 to +25 °C

Mechanical and Housing

Order Code	Full Product Name	Housing Colour
10369600	SM340C 35S/940 PSD MLO L150 WH	White RAL 9003
10397900	SM340C 36S/940 PSD MLO L120 WH	White RAL 9003
10377100	SM340C 35S/940 PSD O L150 WH	White RAL 9003
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	White RAL 9003

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
10369600	SM340C 35S/940 PSD MLO L150 WH	(0.43, 0.40) SDCM <3
10397900	SM340C 36S/940 PSD MLO L120 WH	(0.43, 0.40) SDCM <3
10377100	SM340C 35S/940 PSD O L150 WH	(0.43, 0.40) SDCM <3
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	(0.38, 0.37) SDCM <3

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5,000 hours
10369600	SM340C 35S/940 PSD MLO L150 WH	-
10397900	SM340C 36S/940 PSD MLO L120 WH	-
10377100	SM340C 35S/940 PSD O L150 WH	-
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	0.05 %

Application Conditions

Order Code	Full Product Name	Suitable for random switching
10369600	SM340C 35S/940 PSD MLO L150 WH	Yes (relates to presence/movement detection and daylight harvesting)
10397900	SM340C 36S/940 PSD MLO L120 WH	Yes (relates to presence/movement detection and daylight harvesting)
10377100	SM340C 35S/940 PSD O L150 WH	Yes (relates to presence/movement detection and daylight harvesting)
18144100	SM340C 36S/940 PSD MLO ELP3 L120 WH	Yes (relates to presence/movement detection and daylight harvesting)

Order Code	Full Product Name	Power Consumption
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	38 W
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	31 W
10361000	SM340C 35S/940 PSD PCS L150 WH	25 W
10395500	SM340C 36S/940 PSD PCS L120 WH	26.5 W

Order Code	Full Product Name	Ambient temperature range
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	+10 to +40 °C
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	+10 to +40 °C
10361000	SM340C 35S/940 PSD PCS L150 WH	+10 to +40 °C
10395500	SM340C 36S/940 PSD PCS L120 WH	+10 to +40 °C

Order Code	Full Product Name	Housing Colour
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	White
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	White
10361000	SM340C 35S/940 PSD PCS L150 WH	White RAL 9003
10395500	SM340C 36S/940 PSD PCS L120 WH	White RAL 9003

Order Code	Full Product Name	Initial chromaticity
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	0.38, 0.37
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	0.38, 0.37
10361000	SM340C 35S/940 PSD PCS L150 WH	(0.43, 0.40) SDCM <3
10395500	SM340C 36S/940 PSD PCS L120 WH	(0.43, 0.40) SDCM <3

Order Code	Full Product Name	Driver failure rate at 5,000 hours
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	-
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	-
10361000	SM340C 35S/940 PSD PCS L150 WH	-
10395500	SM340C 36S/940 PSD PCS L120 WH	-

Order Code	Full Product Name	Suitable for random switching
70811200	SM340C 45S/940 SRD MLO U4 L150 WH	No
70816700	SM340C 36S/940 SRD PCS U4 L120 WH	No
10361000	SM340C 35S/940 PSD PCS L150 WH	Yes (relates to presence/movement detection and daylight harvesting)
10395500	SM340C 36S/940 PSD PCS L120 WH	Yes (relates to presence/movement detection and daylight harvesting)

FlexBlend, Surface-Mounted

