

Lighting

PHILIPS

CoreLine surfacemounted

SM136V 28S_34S_40S/830 PSU W20L120 NOC

- 830 warm white - Power supply unit (ON/OFF)

Philips CoreLine surface-mounted light fixtures deliver on the CoreLine promise of innovative, easy-to-use, high-quality luminaires. These high-quality LEDs are designed to replace existing surface-mounted luminaires with T8 or T5 technology. This CoreLine family also features an innovative new choice of multiple lumen outputs in one single luminaire, called MultiLumen. Instant energy savings and a longer lifetime, make this is an environmentally-friendly and cost-saving surface LED light solution. With a quick-connector feature, our SM136V surface-mounted luminaires are quick and easy to install. Also available within the range are Interact Ready luminaires with integrated wireless communications, which are fully compatible with Interact gateways, sensors and software.

Warnings and Safety

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

Product data

neral Information		Value ladder	Performance
ight source replaceable	No		
lumber of gear units	1 unit	Light Technical	
river included	Yes	Luminous Flux	2,800 3,400 4,000 lumen
Service tag	No	Saturated Red (R9)	<50
Lighting Technology	LED	Correlated Color Temperature (Nom)	3000 K

CoreLine surface-mounted

Luminous Efficacy (rated) (Nom)	130 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Beam angle of light source	- degree(s)
Light source color	830 warm white
Optic type	Beam angle 100° 100°
Luminaire light beam spread	25
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Input Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Power Consumption	31 W
Inrush current	15.3 A
Inrush time	0.29 ms
	0.9
Power Factor (Fraction)	0.9
Power Factor (Fraction) Connection	Connection unit 3-pole
x y	
Connection	Connection unit 3-pole
Connection	Connection unit 3-pole Cable with connector 3-pole
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	Connection unit 3-pole Cable with connector 3-pole 35
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) -
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) -
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) -
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) - No
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) - No Steel
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) - No Steel Polycarbonate
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) - No Steel Polycarbonate Polycarbonate
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic aterial	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) - No Steel Polycarbonate Polycarbonate Polycarbonate
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C -10 to +40 °C - No Power supply unit (ON/OFF) - No Steel Polycarbonate Polycarbonate Polycarbonate Polycarbonate Steel
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic acover/lens material Fixation material Housing Color	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C -10 to +40 °C - No Power supply unit (ON/OFF) - No Steel Polycarbonate Polycarbonate Polycarbonate Polycarbonate Steel Volymethyl methacrylate Steel White
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic material Fixation material Housing Color Optical cover/lens finish	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C -10 to +40 °C - No Power supply unit (ON/OFF) - No Steel Polycarbonate Polycarbonate Polycarbonate Polycarbonate Steel White Diamond
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish Overall length	Connection unit 3-pole Cable with connector 3-pole 35 -10 to +40 °C No Power supply unit (ON/OFF) - No Steel Polycarbonate Polycarbonate Polycarbonate Polycarbonate Steel White Diamond 1,200 mm

Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological risk group 0 @200mm
	to EN62778
EU RoHS compliant	Yes
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM ≤3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant))
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L85
Lumen maintenance at median useful life* 50000 h	L85
	L85 L70
50000 h	
50000 h Lumen maintenance at median useful life* 100000 h	
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions	L70
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L70 25 ℃
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L70 25 °C Not applicable
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L70 25 ℃
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L70 25 °C Not applicable
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	L70 25 °C Not applicable
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	L70 25 °C Not applicable Yes
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Full product code	L70 25 °C Not applicable Yes 871951451230600
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Full product code	L70 25 °C Not applicable Yes 871951451230600 SM136V 28S_34S_40S/830 PSU
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Full product code Order product name	L70 25 °C Not applicable Yes 871951451230600 SM136V 28S_34S_40S/830 PSU W20L120 NOC
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code Numerator - Quantity Per Pack	L70 L70 25 °C Not applicable Yes 871951451230600 SM136V 28S_34S_40S/830 PSU W20L120 NOC 911401881681
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	L70 L70 25 °C Not applicable Yes 871951451230600 SM136V 28S_34S_40S/830 PSU W20L120 NOC 911401881681 1
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code	L70 25 °C Not applicable Yes 871951451230600 SM136V 28S_34S_40S/830 PSU W20L120 NOC 911401881681 1 1 1
50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box Material number (12NC)	L70 L70 25 °C Not applicable Yes 871951451230600 SM136V 28S_34S_40S/830 PSU W20L120 NOC 911401881681 1 1 1 911401881681



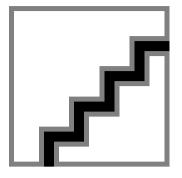
Approval and Application

Ingress protection code	IP20/44 [Finger-protected; wire-
	protected, splash-proof]

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CoreLine surface-mounted

Dimensional drawing





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