CoreLine Surface-mounted

SM120V LED37S/840 PSU W20L120

SM120V - LED Module, system flux 3700 lm - Power supply unit

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Surface-mounted range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Product data

• General information

Product family code	SM120V [SM120V]
Number of light sources	2 [2 pcs]
Lamp family code	LED37S [LED Module, system flux 3700 lm]
Light source color	840 [840 neutral white]
Light source replaceable	false [No]
Driver/power unit/ transformer	PSU [Power supply unit]
Driver included	true [Yes]
Dimmable	No [No]
Connection	PIP [Push-in connector and pull relief]
Cable	No [-]
Protection class IEC	CLI [Safety class I]
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Color	WH [White]
Glow-wire test	850/30 [Temperature 850 °C, duration 30 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	No [-]
CE mark	CE [CE mark]
ENEC mark	No [-]
UL mark	No [-]

• Electrical

Input voltage	220-240 V [220 to 240 V]
Input frequency	50-60 Hz [50 to 60 Hz]

• Mechanical

Geometry	W20L120 [Width 0.20 m, length 1.20 m]
Housing material	STL [Steel]
Reflector material	STL [Steel]
Optical cover/lens material	PC [Polycarbonate]

• Initial perform. (IEC compliant)

Initial input power	40.5 W [40.5 W]
Initial luminous flux	3700 Lm
Initial LED luminaire efficacy	91 Lm/W
Init. Corr. Color Temperature	4000 [4000 K]
Init. Color Rendering Index	≥80 [≥80]
Initial chromaticy	(0.38, 0.38) SDCM <3.5

• Over time perform. (IEC compliant)

Median useful life L90B50	15000 hr
Median useful life L80B50	30000 hr
Median useful life L70B50	50000 hr
Driver failure rate at 5000 h	1 %

• Application conditions

Average ambient temperature	T25 [+25 °C]
Ambient temperature range	+10 to +40°C [+10 to +40 °C]

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Maximum dim level	- [Not applicable]	Pieces per pack	0
Suitable for random switching	Yes [Yes (relates to presence/ movement detection and daylight harvesting)]	Packs per outerbox	1
		Bar code on outerbox - EAN3	8717943897612
		Logistic code(s) - 12NC	910503695718
		Net weight per piece	3.400 kg

• **Product Data**

Order code	910503695718
Full product code	910503695718
Full product name	SM120V LED37S/840 PSU W20L120
Order product name	SM120V LED37S/840 PSU W20L120
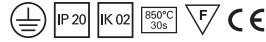
IP 20 IK 02 850°C 30s F CE

Dimensional drawing
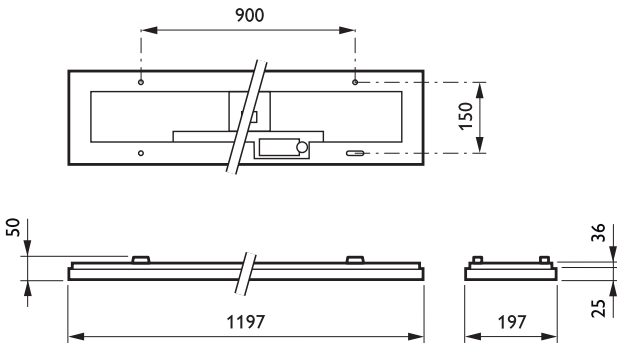
900

150

50

1197

36

25

197

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www.philips.com/lighting

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data subject to change