



SmartBright Panel RC091V 2'X4'

RC091V LED48S/840 PSU W60L120 G2 CL

Power supply unit - Beam angle 120° - Opal - 120°

The SmartBright RC091V 2'x4' is an additional dimension in RC091V panel family which satisfies the big size panel demand for GCGM countries. Its valuable with longer lifetime for Edge-lit panels.

Warnings and Safety

- 1. The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements. 灯具应由有资格的电工安装，接线要符合 IEE 电气标准或国家标准。
- 2. Do not switch on before complete installation. 接线过程中，切勿通电。
- 3. Indoor use only. 灯具只用于室内。
- 4. The light source of this luminaire is not replaceable; when the light source reaches its end of life, the whole luminaire must be replaced. 此灯具的光源是不可替换的；当光源到其寿终时，应替换整个灯具。
- 5. The luminaire must not be used or stored in corrosive environment where hazardous materials, such as sulphur, chlorine, phthalates, etc, are present. 本灯具避免存储和使用在腐蚀性环境或者含有有害物质的环境中,例如硫化物,卤化物,邻苯二甲酸酯等。
- 6. Luminaires not suitable for covering with thermally insulating material. 灯具不适宜被隔热材料覆盖

Product data

General Information		Control interface	
Beam angle of light source	120°	Control interface	-
Lamp colour code	840 neutral white	Connection	Connection unit 2-pole
Light source replaceable	No	Cable	Cable 1.5 m with plug
Number of gear units	1 unit	Protection class IEC	Safety class II (II)
Driver/power unit/transformer	PSU [Power supply unit]	Glow-wire test	650/30 [Temperature 650 °C, duration 30 s]
Driver included	Yes	Flammability mark	NO [-]
Optic type	120 [Beam angle 120°]	CE mark	CE mark
Optical cover/lens type	O [Opal]	ENEC mark	-
Luminaire light beam spread	120°	Warranty period	5 years
		Constant light output	No

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Number of products on MCB (16 A type B)	24
EU RoHS compliant	No
Light source engine type	LED

Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	23.8 A
Inrush time	0.12 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Aluminum extruded
Reflector material	-
Optic material	Polystyrene
Optical cover/lens material	Polystyrene
Fixation material	-
Optical cover/lens finish	Opal
Overall length	1195 mm
Overall width	595 mm
Overall height	10 mm
Colour	White

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	4800 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	100 lm/W
Lamp colour temperature	4000 K
Colour Rendering Index	>80
Initial chromaticity	(0.3818,0.3797), SDCM≤5
Initial input power	48 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Median useful life L70B50	71500 h
Median useful life L80B50	44400 h
Median useful life L90B50	20800 h

Application Conditions

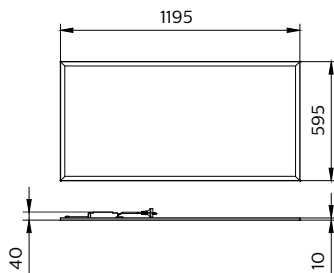
Ambient temperature range	-10 to +35 °C
Maximum dimming level	Not applicable
Suitable for random switching	Not applicable

Product Data

Full product code	871016334146099
Order product name	RC091V LED48S/840 PSU W60L120 G2 CL
EAN/UPC – product	8710163341460
Order code	911401808480
Local order code	RC91V4884P612C
SAP numerator – quantity per pack	1
Numerator – packs per outer box	2
SAP material	911401808480
SAP net weight (piece)	5.400 kg



Dimensional drawing



RC091V

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