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

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| | |
|---|---|
| **Number of products on MCB (16 A type B)** | 24 |
| **EU RoHS compliant** | No |
| **LED 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 |

## 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** | 4800 lm |
| **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

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|---|---|
| **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 |
| **Numerator – quantity per pack** | 1 |
| **SAP numerator – packs per outer box** | 2 |
| **Material no. (12 NC)** | 911401808480 |
| **SAP net weight (piece)** | 5.400 kg |

## Dimensional drawing
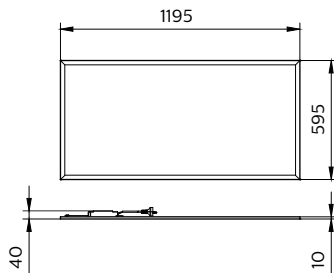


**RC091V**

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