OSRAM

ELEMENT - ON/OFF IP67

Constant current ECG for LED modules

Areas of application

- Industry lighting
- High-bay warehouse
- Flood lighting
- Suitable for luminaires of protection class I

Product family benefits

- High surge protection: up to 6 kV
- High efficiency
- Fix current for optimized fixture design
- Great flexibility due to wide operating temperature range of -40...60 °C
- IP rating: IP67
- Long lifetime

Product family features

- Input voltage: 120...277 V
- Output current: 700 mA
- Available with different wattage: 100 W, 150 W, 200 W, 250 W
- Wide operating temperature range: -40...60 °C
- Lifetime: up to 50,000 h (temperature at T_c = 75 °C, max. 10 % failure rate)

Product family datasheet

Application advice

For more detailed application information and graphics please see product datasheet.

Additional product information

- Output short circuit protection: shut down of driver occur in case of output short circuit without damage to the unit.
- Output overload/voltage protection: In case the input voltage of the load exceeds the output voltage range which is auto defined by output current setting of the driver (Vo=Po/Io), it automatically reduces the output current. The driver needs a power cycle to restart or DALI command with the correct load connected.
- No load protection: the driver automatically adjusts the output voltage to the maximum output voltage which is auto defined by output current setting if no load is connected. Auto-reversible with the correct load connected;
- Disconnect the power before servicing. Terminal block is not included, installation must be performed by qualified person;
- Suitable for luminaires of protection class I, grounding is mandatory to comply with safety standards.
- The earth connection is conducted as protection earth (PE). The LED Driver must be earthed via earth terminal or metal housing.
- The protective earth (GNYE/PE wire, housing) has to be connected to the heat sink of the LED module to improve the capability of the system to withstand a surge and EMI in critical luminaires.
- Not suitable to be mounted in celling corner
- The LED control gear cannot be abutted against or covered by normally flammable materials or used in installations where building insulation or debris is, or may be, present in normal use.
- The external flexible cable or cord of this driver cannot be replaced; if the cord is damaged, the driver shall be destroyed.
- The dimmer should fulfill at least basic insulation between control voltage and dimming circuit (for Australia and New Zealand).
- The minimum clearance distance from the top and sides of the controlgear to normally flammable building elements is A=B=C=Min.10mm, this clause does not apply when the LED driver is built-in the luminares (for Australia and New Zealand).
- The startup time to reach the set output current is less than 2s.
- For further details please consult the application note;
- OSRAM products must never be directly exposed to external influences. Always provide adequate protection for relevant applications (covers, housings etc.) otherwise any warranty claim will be invalid;

Sales and Technical Support

Sales and Technical Support www.osram.com

Ecodesign regulation information:

Intended for use with LED modules.
The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Product family datasheet

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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