PrevaLED Cube G3

Spot-, Down- and Wallmount Light Engines and Modules



Product family features

- Consistent white light: < 3 SDCM
- Temperature at t_p point (according to IEC/PAS 62717): 75 °C
- Diameter of light emitting surface: 61 mm
- Lifetime (L70/B50): 50,000 h (temperature at T_c = 75 °C)
- Common mechanic and optical connection for standard heat sinks and reflectors
- LEDset2 interface for operation with OTi DALI drivers
- Current setting and thermal shutdown via LEDset2 interface
- LED module is basic isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)

Product family benefits

- Low height for compact luminaire designs
- Near Lambertian light distribution at 110° beam angle for high quality of light
- Robust design for easy thermal management and long lifetime

Areas of application

- Suitable for diffuser and reflector luminaires
- Hospitality, hotels, restaurants
- Public and commercial buildings
- Offices
- Secondary rooms, garages, storerooms, cellars

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Application advice

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

Additional product information

- Installation by qualified electrician only.
- Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
- The module / light engine has to be mounted to a proper heat sink in order to ensure that the maximum rated temperature at the T_C point will not be exceeded.
- Complies with IEC/EN 62031
- Complies with IEC/EN 61547
- Complies with IEC/EN 61000-3-2
- Complies with EN 55015, CISPR 15
- Complies with IEC/EN 62717
- LED modules are dimmable by means of PWM (pulse width modulation). It is recommended using the following OSRAM control gears: OPTOTRONIC OT DIM, OT DALI DIM or OPTOTRONIC 24 V power supplies with integrated 1...10 V dimming interface.
- Not suitable for operation with line voltage.
- Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
- In order to operate OSRAM LED modules safely, it is absolutely necessary to operate them with an electronically stabilized power supply that protects against short circuits, overload and overheating.
- In case other power supplies than OSRAM OPTOTRONIC are used, compliance to the neccessary operating parameters (voltage, current, power) has to be ensured.
- Pay attention to polarity! Wrong polarity can cause destruction or malfunction of the module.
- Conducting paths on the circuit board must not be damaged or destroyed during installation.
- Suitable for luminaires of protection class I, grounding is mandatory to comply with safety standards.
- The LED module itself and all its components must not be stressed mechanically.
- For optimal cooling a thermal interface material should be applied between LED module and heat sink.
- It is highly recommended to use a thermal interface material (TIM). The TIM needs to enable adequate heat transfer, during installation it has to be taken care not to create air inclusions between surfaces. For this purpose it is recommended to use a heat sink with even and clean surfaces.
- The module must not be attached to wood or other flammable materials.
- Protect against splashes!
- The module, as manufactured, has no inherent protection against corrosion. It is the user's responsibility to provide suitable protection against corrosive agents, such as moisture, condensation and other harmful elements.

Sales and Technical Support

Sales and Technical Support www.osram.com

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Ecodesign regulation information:

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.

References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit https://

- www.inventronics-light.com/multilevel-guarantees

Disclaimer

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