

LINEARlight ECO Overall Module

Professional LED modules



Product family features

- Design-oriented complete module with 14 LEDs and integrated optics
- Luminous flux: up to 610 lm/m
- Color rendering index R_a : typ. 85
- Dimmable
- Up to 17 modules can be operated on one control gear
- Compatible with LINEARlight POWER and ADVANCED Overall Module

Product family benefits

- Very flat construction height: 13 mm
- Adequate heat removal thanks to aluminum housing
- Modules can be easily joined together to make seamless strip lighting
- Low maintenance costs thanks to a lifetime of up to 50,000 h (L70/B50)

Areas of application

- Shelf and cupboard lighting
- Background lighting

Product family datasheet

Equipment / Accessories

- CONNECTsystem LR
- Mounting brackets LD-MB
- LT-ENDCAP-G2

Application advice

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

Additional product information

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- 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.
- Complies with IEC/EN 61547
- Complies with IEC/EN 61000-3-2
- Complies with EN 55015, CISPR 15
- Complies with IEC/EN 61347-1
- Complies with IEC/EN 61347-2-13
- Suitable for usage in furnitures (DIN 57710).
- 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.
- Parallel connection is mandatory for safe electrical operation. Serial connection of LED modules is strongly discouraged. Unbalanced voltage drop in serial connection can cause hazardous overload and damage the LED module.
- 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 necessary operating parameters (voltage, current, power) has to be ensured.
- Pay attention to polarity! Wrong polarity can cause destruction or malfunction of the module.
- Use only coordinated LR-4PIN CONNECTsystem for electrical installation.
- Conducting paths on the circuit board must not be damaged or destroyed during installation.
- Luminaire must be cleaned regularly to avoid loss of luminous flux.
- The LED module itself and all its components must not be stressed mechanically.
- Operation in or under water is prohibited.
- 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.
- To avoid mechanical damage, the LED modules have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.

Sales and Technical Support

Sales and Technical Support www.osram.com

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