

OPTOTRONIC - 2DIM IP64

0...10 V调光, 分时调光 – LED 恒流驱动电源



应用领域

- 街道和城区照明
- 工业
- 适用于保护等级 I 和 II 的灯具

产品优势

- 单个装置中的 2DIM 功能 (AstroDIM, 0...10 V)
- 优秀的浪涌保护功能：最高 6 kV (保护等级为 I 或 II 时)
- 无需电源电压即可实现快速编程
- 宽工作温度范围 (-40°C...55°C)，具备极大的使用灵活性
- 电源输入和 LED 输出之间采用了双重绝缘设计进行保护

产品特点

- 可以使用的不同功率：50 W、100 W、110 W
- 输入电压：120至277 V
- 利用一条额外的电缆 (LEDset2)，即可灵活地设置电流
- 具有 5 个独立水平的 AstroDIM 自动调光功能 (astro 模式)
- 隔离型 0...10 V 单向远程管理系统接口
- 通过外部 NTC 或 LEDset2 接口实现过温保护功能

产品系列数据表

设备/配件

- OT 编程器硬件，用于对 2DIM ECG 进行必要的配置
- 可以采用 Tuner4TRONIC 软件进行编程

应用建议

更多详细应用信息和图形,请参阅产品数据表。

数据表文本

- 800 mA type: Default output current is 700 mA without any resistor connected to the LEDset port.
- 1250 mA type: Default output current is 1000 mA without any resistor connected to the LEDset port.
- 1400 mA type: Default output current is 1000 mA without any resistor connected to the LEDset port.
- The LEDset2 interface is disabled by default and needs to be activated by the programming software. In this case the LEDset2 interface is activated the external thermal protection feature is disabled.
- The driver withstands an input voltage of up to 350 Vac for a maximum of two hours.
- The driver may shut down the load if the input voltage of the load is below the allowed minimum output voltage until the short circuit is removed or the correct load is connected and a power off/on cycle is performed.
- In case the input voltage of the load exceeds the output voltage range of the driver, it automatically reduces the output current to keep the output voltage controlled to the maximum allowed output voltage.
- The driver automatically reduces the output current in case the maximum allowed output power is exceeded, as long as the input voltage of the load is within the declared output voltage range of the driver. In all other cases the driver may shut down the load.
- The driver may shut down in case no load is connected to the driver output until the correct load is connected and a power off/on cycle is performed. Hot-plug of the load or external switching on the secondary side is not allowed.
- The EQUI (housing) shall be connected to the heat sink of the LED module to improve the surge withstand capability of the system and EMI in critical luminaires.
- By default the LEDset / NTCset / Prog+ port is set as NTCset port in resistor based mode with following values: start derating: 6.3 kOhm, end derating 5.0 kOhm, derating level 50 %.
- The default dimming mode is 0...10 V, AstroDIM-PD is disabled.- 0...10 V: 30 % minimum dimming level
- The constant lumen feature is disabled by default.
- If any output level is below the physical min level, the physical min level will be used.
- Dimming down to 14 % of the maximum rated output current could be enabled through the programming software, but the compliance with EN 61000-3-2 must be checked below 30 %.
- The driver is intended for built-in use. The luminaire manufacturer is responsible to prevent direct exposure for example to sunlight, water, snow, ice.
- Time to reach the set output current upon start-up is less than 4 s.
- Programming of the driver via Prog+ and Prog- is only allowed without powering it via L/N.
- For further details please consult the 2DIMLT2 application guide.

销售和技术支持

销售和技术支持 www.osram.cn

产品系列数据表

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.

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