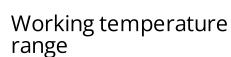


This image shows a close-up of the LED driver section of a PCB. The central component is the LED1-LED12 chip, which is a multi-channel LED driver. It is surrounded by various passive components, including resistors (R1-R19), capacitors (C1-C4), and diodes (D1, D2). There are also TVS diodes (TVS1, TVS2) and a fuse (F1) for protection. The PCB is populated with several surface-mount components, and the layout is compact and efficient.



-30°C ÷ +60°C

Luminous flux tolerance

$\pm 10\%$

Dynamic white

ORDER CODE

GENERAL TERMS OF USE

- Pay attention to the correct polarity when connecting the LED modules. Incorrect polarity could potentially damage them.
- Modules should be attached to heatsink to dissipate heat from LED module. Temperature on the module shouldn't be higher than recommended by Cree®. Due to power of the module, appropriate heatsink should be used with thermal conductive tape or paste. The lower temperature on LED module causes longer lifetime.
- During installation of the LED module it is absolutely necessary to use ESD protection. Luminaire design should protect the module from ESD.
- Lenses, diodes and other components on the module must be protected against mechanical damage and exposure to liquids and dirt.
- The modules can not have contact with hazardous and corrosive substances or aromatic organic compounds such as toluene, acetone, xylene, benzene.
- For installation of modules substances recommended and tested by the CREE LED® should be used. The list of substances available on the manufacturer's website: cree-led.com. In case of using substances not listed on official list of the chemical compatibility tests have to be done before use.

ENVIRONMENTAL CAUTION!

It is prohibited to dispose of obsolete and waste electrical and electronic equipment together with regular household wastes. They should be properly sorted and recycled. Old electrical and electronic equipment should be returned to a waste collection point established by a waste-management service. Waste electrical and electronic equipment can be broken down to base materials and then recycled. For more information regarding waste management please contact your local authorities, waste-management service or the seller of electrical and electronic devices.