

4-zone LED source for optical fibers RGB+CCT 20 W, Bluetooth, DC 12 V

Reference: AM0501
EAN13: -
HS code: 94054210



Product attributes:

Product features:

Light color: RGBCCT
Input voltage: 12 V DC
Performance: 20 W
Dimming: Yes
Inner diameter of the gland: 16-21 mm
Outlet: 4x PG25

Product description:

The 4-zone RGB+CCT fiber optic LED light source is designed for lighting applications with separate control of multiple fiber optic branches. The device allows for independent control of four zones, RGB color change, CCT white control and dimming. It is suitable for interior starry ceiling lighting, hotel and home installations, cinema rooms and decorative vehicle ceiling lighting. Communication is via Bluetooth and remote control is also supported.

Technical specifications

- Device type: 4-zone RGB+CCT fiber optic illuminator
- Supply voltage: DC 12V
- Total power consumption: 20 W
- Power per zone: 4 × 5 W
- Maximum current: 4 × 1 A
- Light color: RGBWW / RGB+CCT
- Number of independently controlled zones: 4
- Communication: Bluetooth
- Remote control support: yes
- Power input: DC connector 12 V
- Output connector type: PG type
- Fiber connector inner diameter: 22 mm (PG25)
- Maximum capacity per port: 0.75 mm optical fiber up to 520 pcs or 1 mm up to 300 pcs
- Main unit dimensions: 115 × 75 mm
- Remote control dimensions: 120 × 50 mm
- Pendant remote control dimensions: 55 × 35 mm
- Output connector dimensions: length 110 mm, diameter 35 mm

Functions and features

- Separate setting of 4 light zones in the range zone 1 to zone 4
- Independent switching on and off of individual zones
- Possibility to create your own zone groups, maximum 4 groups
- Separate dimming of the selected group
- Seamless color change using the color wheel on the controller
- Adjusting the brightness of the RGB component
- White balance and CCT brightness control
- Setting color switching modes
- Dynamic Mode Speed Settings
- Support Motor ON/OFF and motor speed adjustment functions
- Meteor mode support and speed settings
- Indicator LED on the main unit
- Bluetooth control app compatibility
- Possibility of control using the included remote control and pendant control

Ideal for

- Starry ceilings in homes
- Hotel and commercial lighting installations
- Ceiling decorative lighting in a home theater
- Vehicle roof lighting
- Multi-zone installations requiring separate control of individual parts

- Fiber optic applications with RGB+CCT lighting effect

Package contents

- Main 4-zone unit RGB+CCT Fiber Optic Illuminator
- Remote control with touch color circle
- Pendant remote control
- 4 PG25 fiber optic output connectors

Why choose this product?

- Allows separate control of four separate light branches
- Combines RGB effects with CCT white component settings
- Supports Bluetooth control as well as physical remote controls
- Suitable solution for star ceiling lighting with a higher degree of configuration
- Power supply with safe low voltage 12 V DC
- The design is adapted to connect a larger number of optical fibers in each zone

Installation and operating instructions

- For proper operation, it is necessary to use a stabilized 12 V DC power supply with an adequate current reserve.
- Optical fibers are installed in prepared holes and then mechanically fixed in the mounting base.
- The ends of the optical fibers can be shortened to the desired length after installation.
- Connect each fiber branch to a separate output according to the planned zone division.
- When configuring via Bluetooth, it is possible to set individual zonings and user groups.
- When installing, ensure sufficient ventilation of the main unit and do not cover the light output.

Safety notice

- The device is intended for power supply only with 12 V DC.
- Do not connect the product directly to the 230 V AC mains voltage.
- Perform installation with the power disconnected.
- Prevent moisture from entering the main unit and connectors unless the installation is intended for a protected area.
- Do not subject optical fibers and connectors to mechanical bending or pulling.
- For long-term reliable operation, adhere to the maximum recommended fiber capacity per individual port.

