



LIGHTING CONTROLS

EDM

LED Emotional Dimming Module

DALI SYSTEM

Overview

The LED Emotional Dimming Module is a module that can produce the color temperature of the lighting as needed. Through the changes of illumination and color temperature, it is possible to realize the most suitable natural sunlight for people. It is connected to DALI-Master with polarity-free full 2-wire communication. 64 EDMs are connected to one DALI-Master. It is a device that enables ON / OFF and dimming control of LED luminaires by individual, group, scene, pattern, schedule, and color temperature.

Main Feature

- EDM PROTOCOL INTERFACE
- The illumination adjustment function of step254
- Color temperature control function in step 254
- 16 SCENE setting functions
- 16 groups setting function
- Communication speed: 1,200 bps
- SYSTEM SIZE: 64 units
- Dimming range: 1% to 100%
- No separate shielded communication line is needed, and it can be constructed by general wire or cable wiring
- 64EA LED Lights ON / OFF & Dimming & Color Temperature Control
- ON / OFF and dimming color temperature status display



Application

- Up to 64 EDMs can be connected to each master, and the address of each module will be recognized automatically.
- It is a module that can control the brightness and color temperature of the LED by 254 steps by using the ballast as an input power.
- The central computer can monitor the EDM with the address set and download the program to control it.
- Group information, scene information, FADE TIME, FADE RATE ,, MIN / MAX information can be stored.Each EDM is installed for each LED luminaire, allowing individual dimming and color temperature control.
- The top of the network is the existing lighting control data line, which can be controlled by the central computer and the switch, and can be linked with the existing ON / OFF system if necessary.



6,000k Cool White

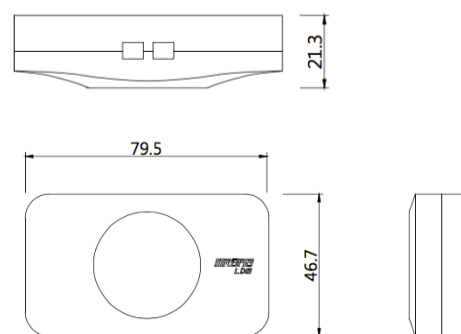


3,000k Warm White

Specification

- LED 180W Type
- Operation Environment : -10℃ ~ 60℃, 0~95% RH
- Input Power : DC 12~ 60V
- Consume Power : 12~ 180W
- Communication Method : DALI
- Maximum Communication Distance : 300M
- Output Power(POut) : Max. 180W
- Output Voltage(VOut) : 12 - 60VDC
- Outout Current(IOut) : Max.3A
- Dimming Range : 1 - 100%
- OverLoad Protection : Yes
- Short Circuit Protection : Yes

Dimension of Layout



Connection Diagram

