


RL-M40 BLE Mesh RGB+W CV LED controller

| Model | RL-M40 | RL-M40-S | RL-M40-T | RL-M40-TS |
|---------------------------|--|--------------------|----------|--------------------|
| Photo |  | | | |
| Electrical Specification | | | | |
| Working Voltage | DC 6-24V | | | |
| Rated Output Current | 3x3+5A | | | |
| Smartphone Connective | Smartphones support Bluetooth 4.0 and up | | | |
| Wireless Network Topology | BLE (Bluetooth Low Energy) Mesh Network | | | |
| RF Band | ISM 2.4GHz | | | |
| Wireless Transmit Power | <7dBm | | | |
| Wireless Distance | >15 meters at open area | | | |
| Max Mesh Member | 255 | | | |
| Smartphone App | Light Mesh (iOS and Android) | | | |
| PWM Output Grade | 4000 Levels | | | |
| PWM Frequency | 1KHz | | | |
| Protection Function | Wrong wiring / Overload / Short circuit / Overheat | | | |
| Working Temperature | -30~60℃ | | | |
| IP Grade | IP-63 | IP-68 | IP-63 | IP-68 |
| Components & PCB | SMD parts / 4-layer FR-4 pcb | | | |
| Functions | | | | |
| White Control | Independent, 0-100% with gamma correction | | | |
| RGB Static Color | Each color 0-100% adjustable, with gamma correction | | | |
| RGB Dynamic Mode | 42 modes | | | |
| Dynamic Speed Level | 0-99 | | | |
| Group Function | 4 groups, each device could be in multiple groups | | | |
| Timing Play | NA | Yes, with weekdays | NA | Yes, with weekdays |
| Gentle Fading | Yes | | | |
| Power Off Memory | Yes | | | |
| Power & LED Connector | | | | |
| Power Connector | 16AWG red and black cable | | | |
| LED Connector | AWG18 flat cable | | | |
| Dimension & Weight | | | | |
| Dimension | 87x21x8.5mm | | | |
| Cable Length | 120mm | | | |
| Net Weight | 23g | 26g | 23g | 26g |