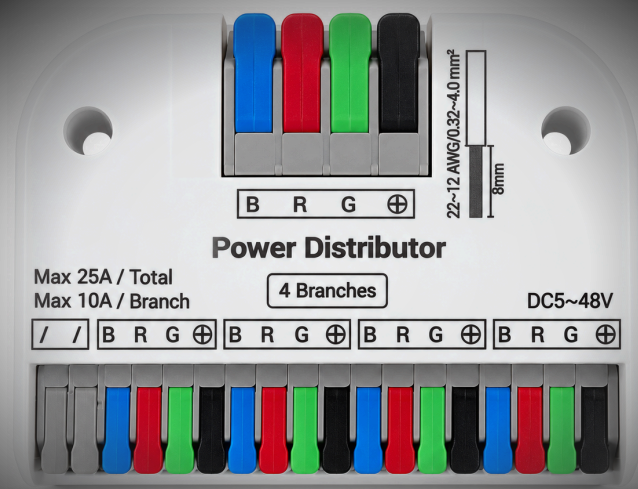


# One In. Four Out.

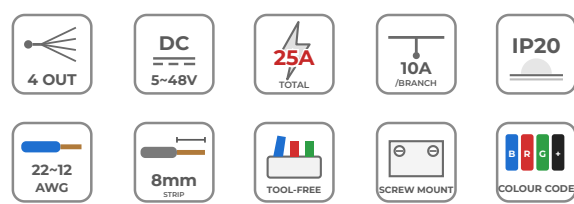
Colour-coded RGB lever terminals for clean multi-zone LED runs



## 4-WAY RGB DC POWER DISTRIBUTOR 5~48V 25A TOTAL / 10A PER BRANCH

SKU: VL-HPD-RGB

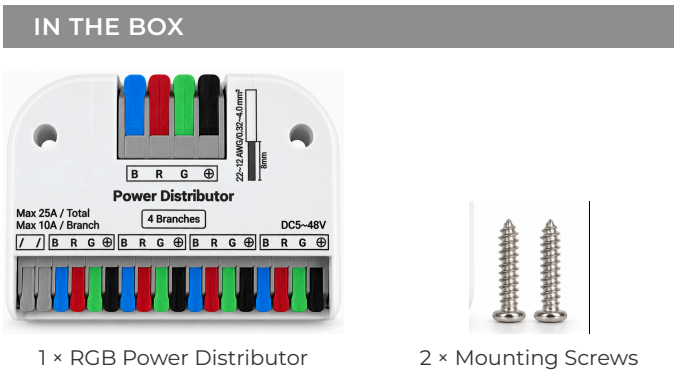
- 1 RGB input splits to 4 RGB outputs (B/R/G/+).
- For common-anode (+V common) RGB strip.
- Tool-free lever terminals, no screws or soldering.
- Wide DC5~48V range: 12V and 24V LED systems.
- Max 25A total, max 10A per branch.
- Takes 22~12AWG (0.32~4.0mm<sup>2</sup>) wire.
- Screw-mount housing, 2 screws included.



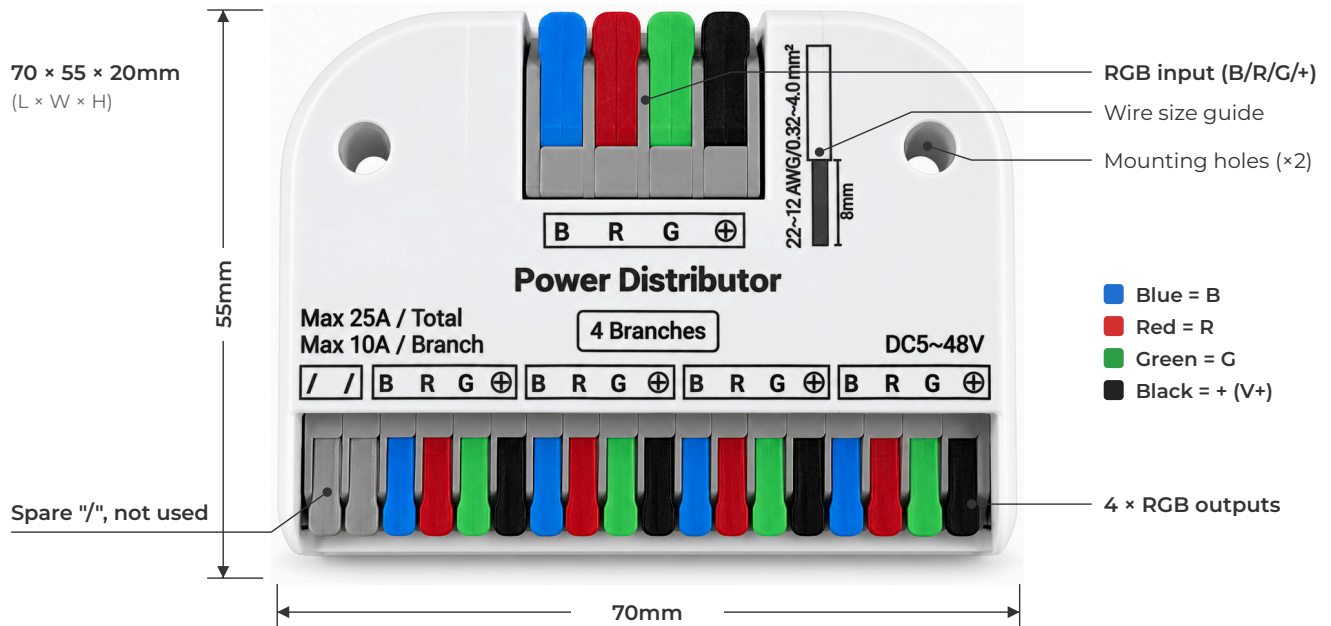
| LOAD CAPACITY  |                 |                      |
|----------------|-----------------|----------------------|
| System Voltage | Max Total (25A) | Max Per Branch (10A) |
| DC5V           | 125W            | 50W                  |
| DC12V          | 300W            | 120W                 |
| DC24V          | 600W            | 240W                 |
| DC36V          | 900W            | 360W                 |
| DC48V          | 1200W           | 480W                 |

Total load must not exceed 25A across all 4 branches, and must not exceed the power supply rating. Size wire gauge to the branch current and run length.

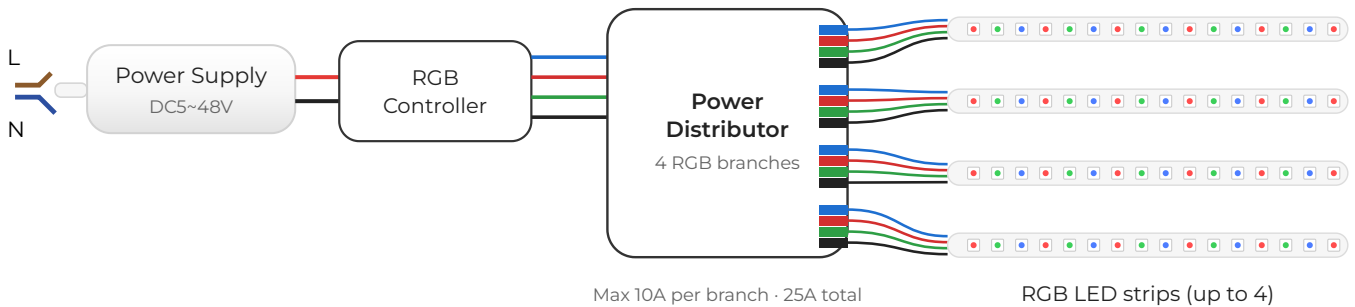
| TECHNICAL DETAILS  |                                     |
|--------------------|-------------------------------------|
| Product No:        | VL-HPD-RGB                          |
| Input Voltage      | DC5~48V                             |
| Input              | 1 × RGB (B/R/G/+)                   |
| Outputs            | 4 × RGB (B/R/G/+)                   |
| Strip Type         | RGB common anode (+V)               |
| Max Total Current  | 25A                                 |
| Max Branch Current | 10A per RGB output                  |
| Wire Size          | 22~12AWG (0.32~4.0mm <sup>2</sup> ) |
| Strip Length       | 8mm                                 |
| Connection         | Push-in lever, tool-free            |
| Mounting           | 2 × screw holes                     |
| Dimensions         | 70 × 55 × 20mm                      |
| IP Rating          | IP20, indoor/dry use                |



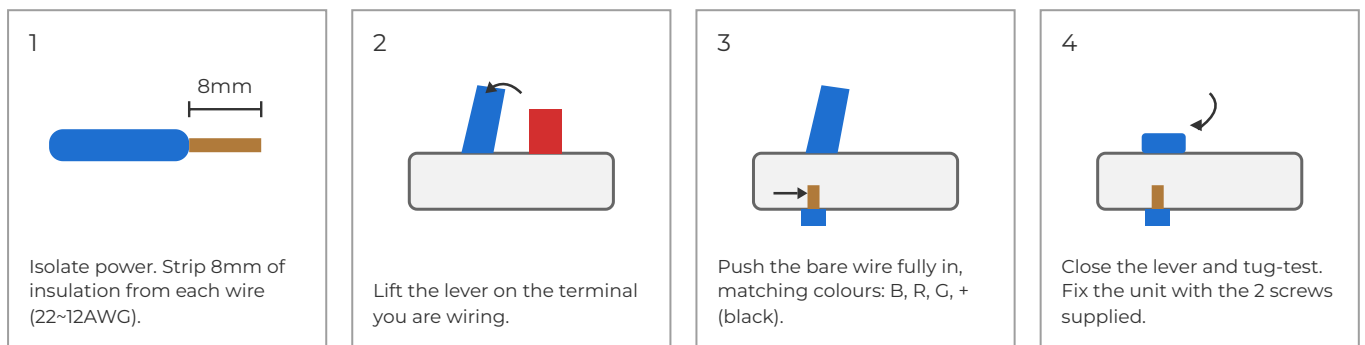
## PRODUCT OVERVIEW & DIMENSION



## WIRING DIAGRAM



## INSTALL



## APPLICATION NOTE

