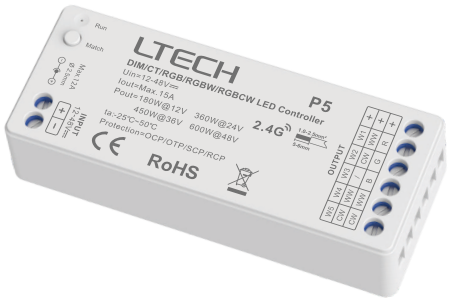
DIM/CT/RGB/RGBW/RGBCW LED Controller

- Small size and light weight. The housing is made from V0 flame retardant PC materials from SAMSUNG/COVESTRO.
- Soft-on and fade-in dimming function enhances your visual comfort.
- 2.4GHz wireless signal , eliminating the need for signal wiring.
- 5 channel constant voltage output.
- Control DIM, CT, RGB, RGBW, RGBCW light.
- Work with a MINI series RF 2.4GHz remote.
- Built-in 9 dynamic modes.
- One controller can be paired up with 10 remotes .
- Sync dynamic effects between controllers in the same group/zone.



CE RoHS

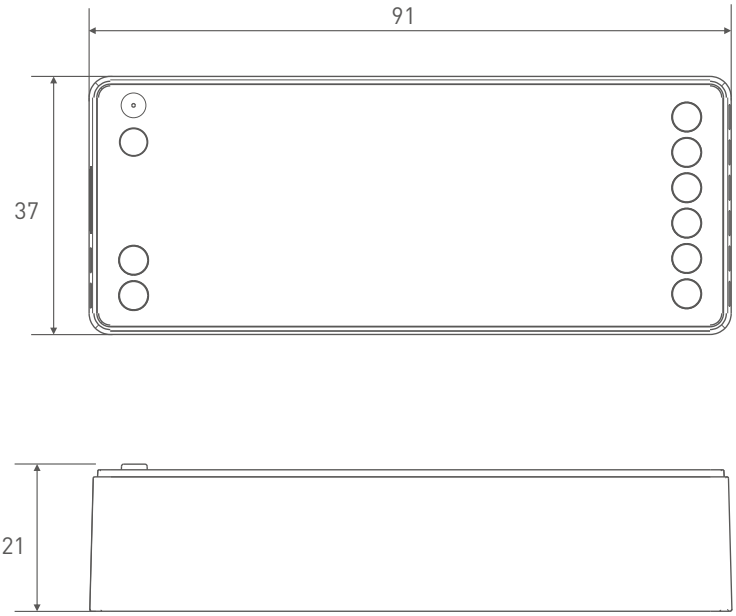
Technical Specs

Model	P1	P2	P3	P4	P5
Input Signal	RF2.4GHz				
Input Voltage	12-48V⎓				
Output Voltage	12-48V⎓				
Load Current	Max. 11A	Max. 12A	Max. 15A	Max. 15A	Max. 15A
Load Power	132W@12V 240W@24V 288W@36V 384W@48V	144W@12V 240W@24V 288W@36V 384W@48V	180W@12V 360W@24V 432W@36V 432W@48V	180W@12V 288W@24V 360W@36V 480W@48V	180W@12V 360W@24V 450W@@36V 600W@48V
Protection	Over Temperature Protection, Anti Reverse Connection Protection				
Working Temp.	-25°C ~ 50°C				
Dimension	L91×W37×H21(mm)				
Package Size	L94×W39×H22(mm)				
Weight(G.W.)	46g				

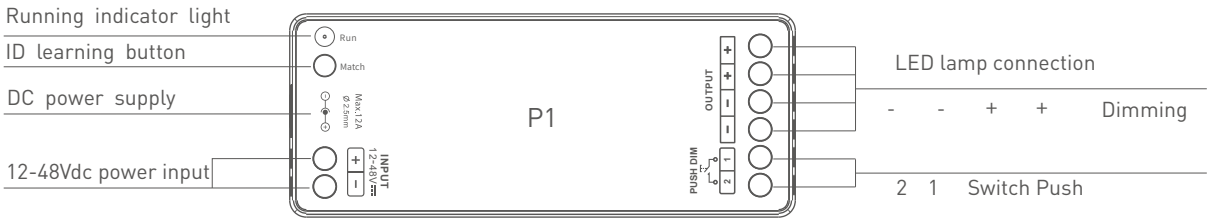
Note: P4 and P5 controllers do not support short circuit protection when the output voltage exceeds 24V⎓.

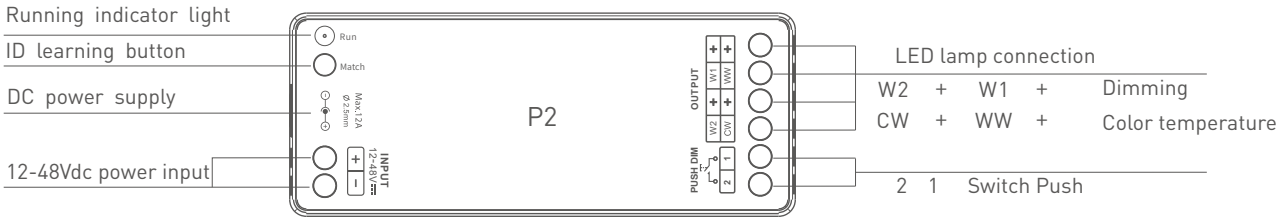
Product Size

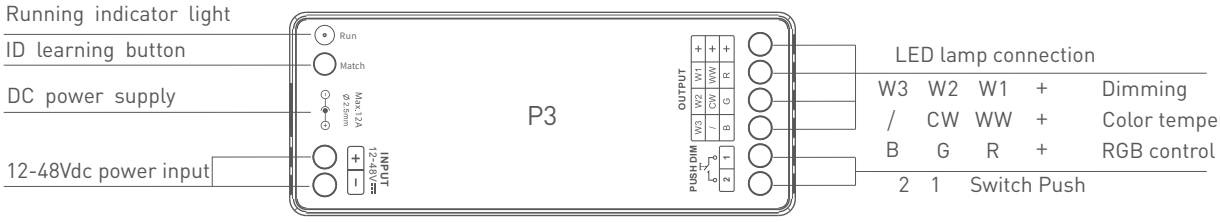
Uuit: mm

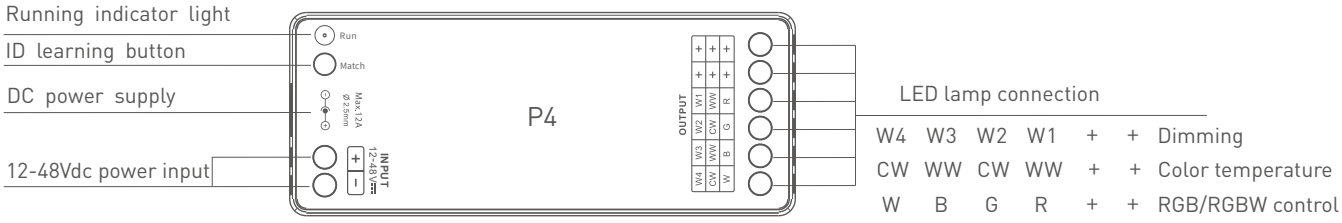


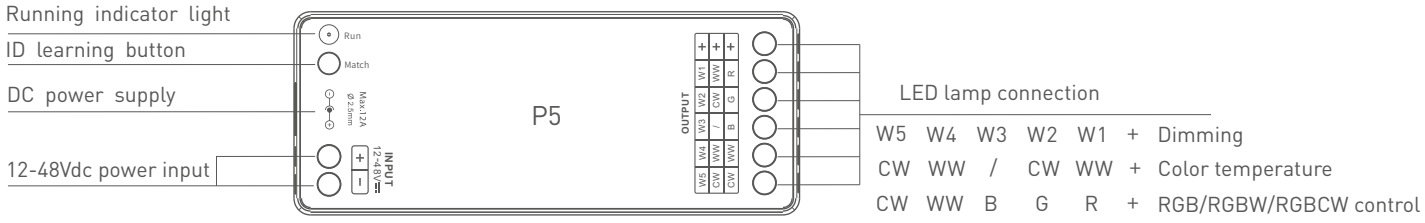
Terminal Description











Pair the remote

Method 1: Pair the remote by using the button

Step 1

Short press the ID learning button on the controller and the indicator light flashes. Please complete the following steps within 10 seconds.

Step 2

Pair the MINI series remote:
Single-zone MINI remote: Long press the ON/OFF button until the controller's indicator light flashes fast.
Multi-zone MINI remote: Long press any zone button until the controller's indicator light flashes fast.

Step 3

The controller's indicator light flashes fast and then stops, indicating successful pairing.

Method 2: Pair the remote by powering on the controller

Step 1

Power off the controller first.

Step 2

Pair the MINI series remote:
Single-zone MINI remote: Long press the ON/OFF button and power on the controller at the same time until the controller's indicator light flashes fast.
Multi-zone MINI remote: Long press any zone button and power on the controller at the same time until the controller's indicator light flashes fast.

Step 3

The controller's indicator light flashes fast and then stops, indicating successful pairing.

Note: A controller can be paired with a maximum of 10 remotes. Pairing more than 10 remotes will automatically delete the earliest remote ID codes.

Unpair the remote

Unpair the remote by using the button:

1. Delete all remote parings

   Long press the ID learning button on the controller for 10 seconds, and then short press it for 6 times. When controller's indicator light flashes and then stays on, pairing removal is successful.

2. Delete a single remote paring

   Single-zone MINI remote: Long press the ID learning button on the controller for 5 seconds then short press the ON/OFF button three times within 10 seconds. When the controller's indicator light flashes and then stays on, pairing removal is successful.
   Multi-zone MINI remote: Long press the ID learning button on the controller for 5 seconds then short press any zone button three times within 10 seconds. When the controller's indicator light flashes and then stays on, pairing removal is successful.

Unpair the remote by powering on the controller

1. Delete a single remote paring

   Single-zone MINI remote: After powering on the controller, power it off, then power it on again. Press the ON/OFF button three times within 3 seconds. When the controller's indicator light flashes and then stays on, pairing removal is successful.

   Multi-zone MINI remote: After powering on the controller, power it off, then power it on again. Press any zone button three times within 3 seconds. When the controller's indicator light flashes and then stays on, pairing removal is successful.

Attentions

- Product installation and commissioning should be done by a qualified professional.
- LTECH products are and not lightningproof non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection devices.
- Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- When you install this product, please avoid being near a large area of metal objects or stacking them to prevent signal interference.
- Please keep the product away from a intense magnetic field, a high pressure area or a place where lightning is easy to occur.
- Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident.
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.

* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

Warranty periods from the date of delivery : 5 years.

Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

Update Log

Version	Updated Time	Update Content	Updated by
A0	20231227	Original version	Yang Weiling
A1	20240426	Add P1-P4 product related parameters	Yang Weiling