

4 Channel Controller RGBW, RGB, Tuneable White, Dimmer

Controller
LCRWBSD-V4-WP

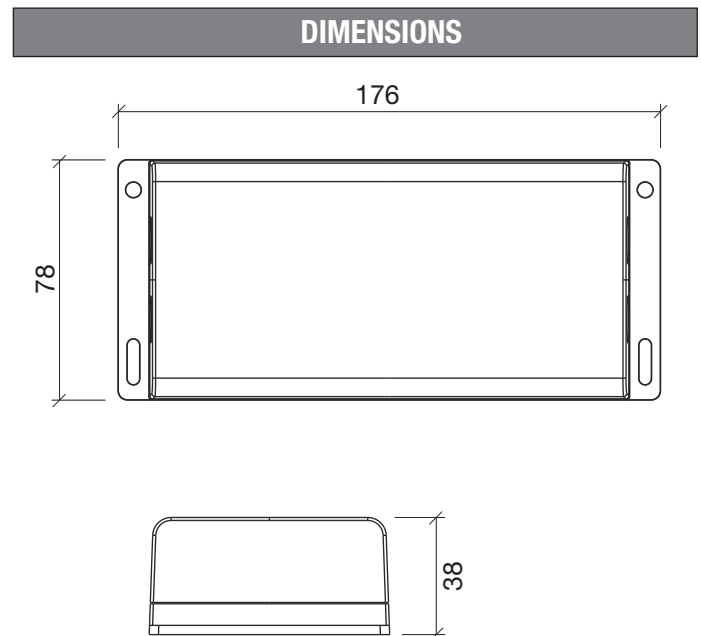
Works with a wide range
of RF remotes



RGBW	480W
RGB	12-36V
CCT	IP67
DIM	4 CHANNEL

5Amp x 4Channel IP67

SPECIFICATION	
CODE	LCRWBSD-V4-WP
INPUT VOLTAGE	12-36VDC
OUTPUT MODE	12-36DC (PWM)
OUTPUT CURRENT	4 x 5Amp
MODES	10 (RGB & RGBW modes only)
FREQUENCY	2.4Ghz
WORKING TEMP	-30 to 55degC
IP RATING	IP67
CONNECTIONS	Flying leads in/out
EMC	EMC compliant
RF RANGE	30m if unobstructed



FEATURES:

- # Controller can wirelessly relay commands allowing for unlimited colour syncing from one remote.
- # PWM (pulse width modulation) output (default 500Hz).
- # 5 Year warranty.

APPLICATIONS:

- # Controlling RGBW, RGB, Dual white & dimming single colour strips in exterior applications.
- # Deck lighting, under eaves, fences, gardens etc.

NOTE:

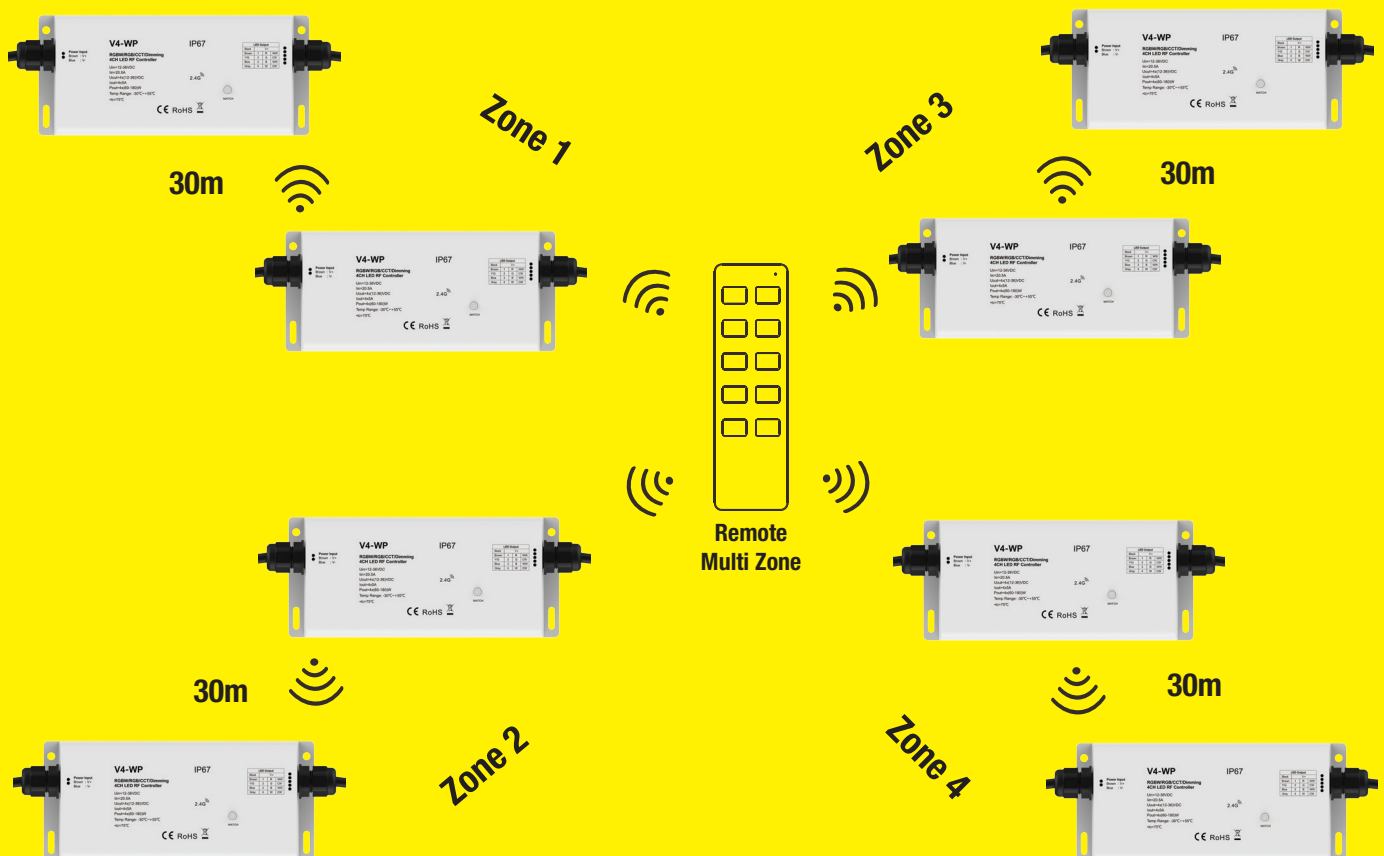
- # See website for range of remote options.
- # Remote batteries (not supplied).
- # Remotes need to be synced to the controller.
- # Controllers and remotes sold separately.

While every effort has been made to ensure the accuracy of all information provided Task Lighting can not be held responsible for any errors.
Task Lighting also reserves the right to modify/delete product details without notice.

Wireless Relaying - Single Zone Remote



Wireless Relaying - Multiple Zone Remote

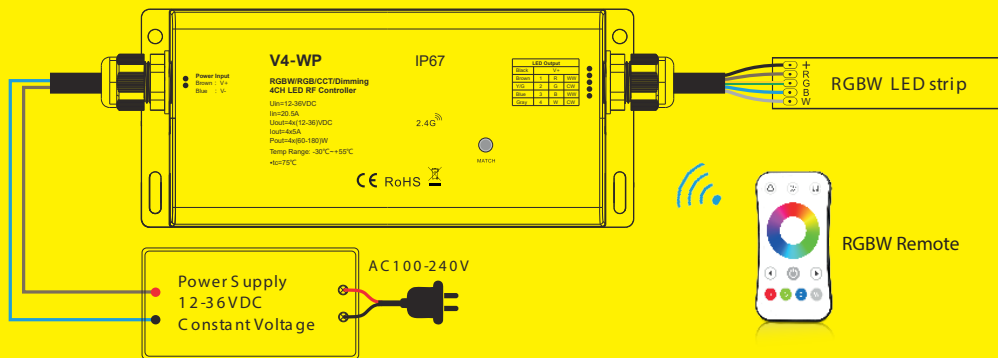


NOTE:

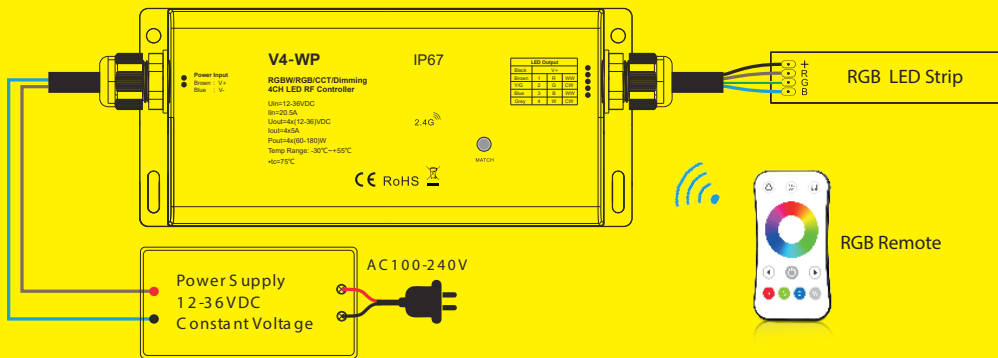
- # The 30m max wireless transmission distance is with unobstructed line of sight. Transmission distances may be significantly less with walls, metal, concrete etc in the way. Other transmission sources such as WiFi & microwaves etc may also reduce the transmission range. Where obstructions and interference sources exist it is recommended that testing the transmission range before finalising the project and module placement may need to be altered to achieve the desired result. Intermediately placed modules with now load can be used as a relay where transmission distances are shortened.

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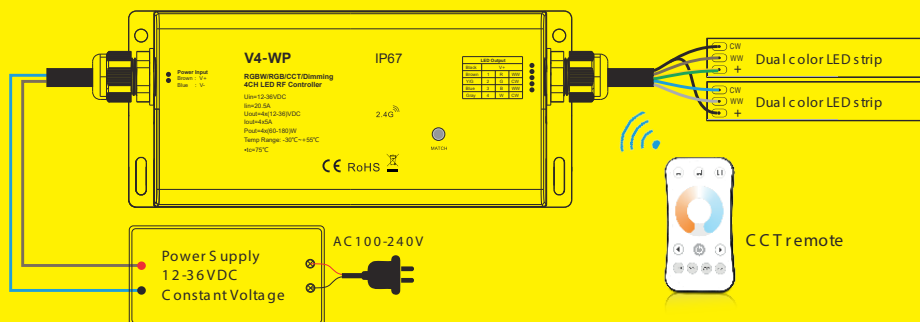
RGBW Wiring Example



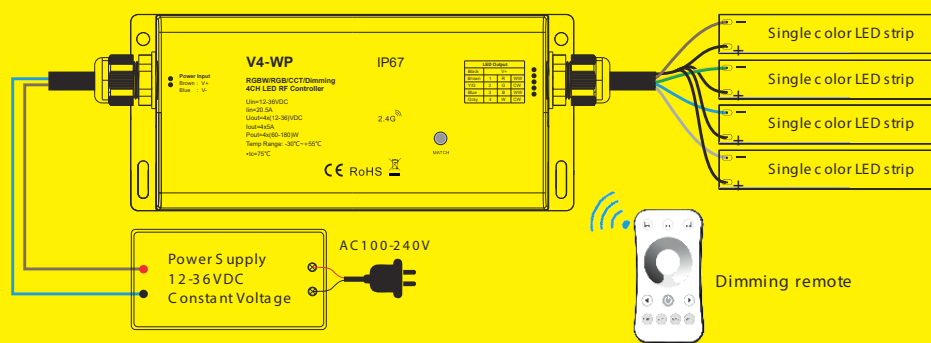
RGB Wiring Example



CCT Wiring Example



Dim Single Colour Wiring Example



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RGBW & RGB Dynamic Modes

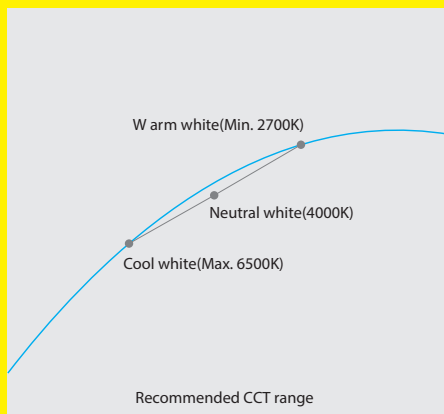
No.	Mode Description	No.	Mode Description
1	RGB Jump	6	RGB fade in/out
2	RGB smooth rotation	7	Red fade in/out
3	6 Clour jump	8	Green fade in/out
4	6 Colour smooth rotation	9	Blue fade in/out
5	Yellow, cyan, purple smooth rotation	10	White fade in/out

Tuneable White Control

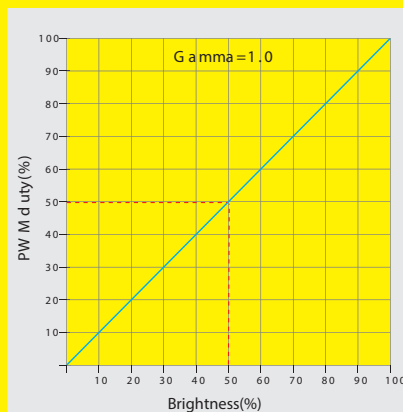
	Cool white	Neutral white	Warm white
Power distribution	CH1=0W, CH2=192W CH3=0W, CH4=192W	CH1=96W, CH2=96W CH3=96W, CH4=96W	CH1=192W, CH2=0W CH3=192W, CH4=0W

Dual White Mode Dim Curves

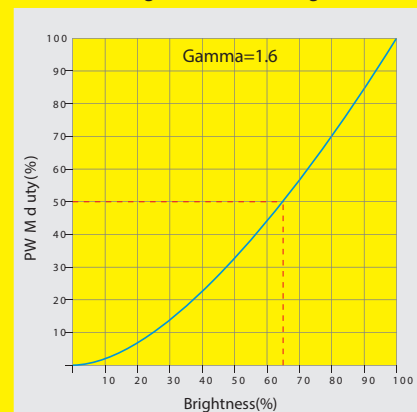
Linear dual white tuning



Dimming curve for CCT



Dimming curve for RGB, RGBW, single colour dimming



Trouble Shooting Faults

Fault	Possible Cause	Possible Solution
No light	1. No power 2. Wrong polarity or poor connections	1. Check power 2. Check connections & polarity
Wrong colour	1. Wrong connection of RGB or RGBW wires	1. Re connect of RGB or RGBW wires
Uneven intensity between start & end with voltage drop	1. Reduce length or feed both ends 2. Increase supply cable dia	1. Reduce length or feed both ends 2. Increase supply cable dia
No response from the remote	1. Battery is old 2. Beyond max control range 3. Controller did not match with remote	1. Replace battery 2. Reduce remote distance 3. Rematch remote to controller

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Synchronising Remotes & RGBW Modules

Auto Transmition & Auto Synchronisation

As shown in the diagrams on page 2, one receiving controller can auto transmit commands from the remote to many other down stream controllers.

This provides the ability for one remote to control almost limitless distances all in sync.

For auto transmission & syncing to work each receiving controller needs to be successfully matched to the remote (1 zone remote) and to each zone key (multi zone remotes).

Matching Remotes To Controllers

Using The Match Key

Match:

Short press on the match key
Immediately press on/off key
(single zone remote) or
press zone key (multi zone remote)

Delete Match:

Press and the match key for 5 seconds
to delete all match

The LED indicator light blinks 5 times
to show deletion is complete

Using Power Restart

Match:

Switch power off then switch power on again
Immediately short press on/off key 3 times
(single zone remote) or
press zone key (multi zone remote) 3 times
The LED indicator light blinks 3 times to show
match is complete

Delete Match:

Switch power off then switch power on again
Immediately short press on/off key 5 times
(single zone remote) or
press zone key (multi zone remote) 5 times
The LED indicator light blinks 5 times to show
deletion is complete

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