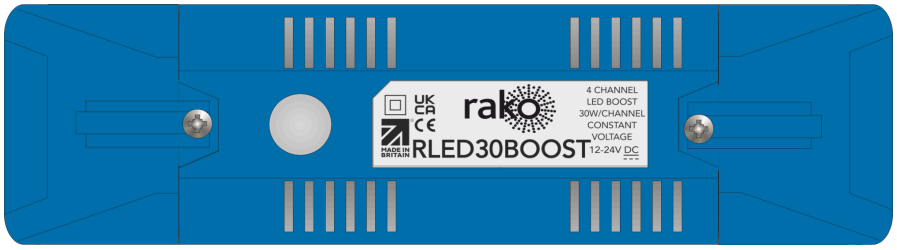
Instruction Manual

RLED30BOOST

RLED30CV4+ / WLED30CV4 Booster Module



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For an overview of the wireless systems: Wireless Module Application Sheet / Wireless RAK Application Sheet

For programming a wireless system: Wireless Module Programming Guide

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1 What is the RLED30BOOST?

The RLED30BOOST is a voltage booster for the RLED30CV4+ and WLED30CV4, the device is used when the total load is approaching or exceeding the maximum limit.

NB
The RLED30BOOST is not a programmable dimmer, its control relies on the PWM signal from the RLED30CV4 or WLED30CV4.

2 Loadings

Input Voltage	Wattage
12VDC	30W per Channel
24VDC	60W per Channel

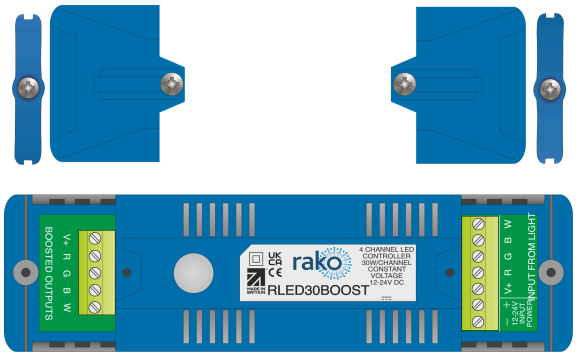
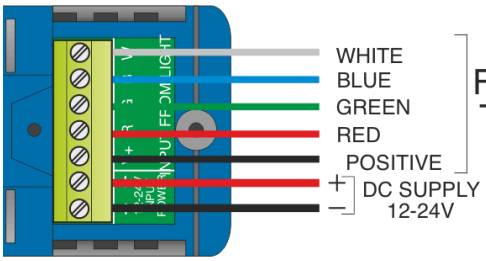
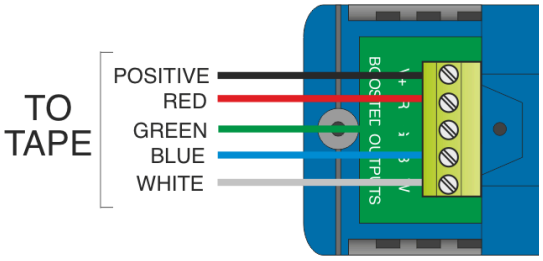
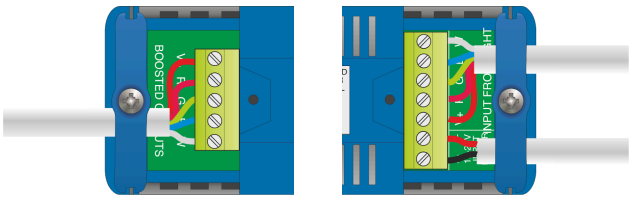
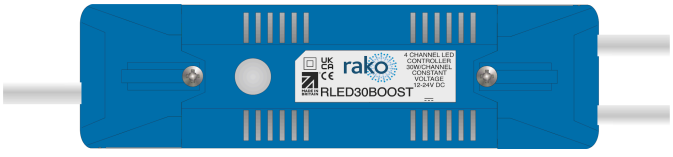
3 Installation of the RLED30BOOST

⚠WARNING

Installation should only be carried out by a competent electrician.
DO NOT CONNECT DIRECTLY TO THE MAINS SUPPLY.

- RLED30BOOST modules should be mounted in areas that are adequately ventilated and dry.
- Modules should be mounted vertically, with the terminals at the bottom, or horizontally where possible.

- While the modules are designed to be maintenance-free, they should be mounted in an accessible location should investigation of the units be necessary.
- Ensure that the cable clamps are fitted tightly to secure the cables.
- The unit input voltage is 12V or 24V DC, and the power supply must be adequately rated for the connected load.

STEP 1		Remove the covers and cable clamps.
STEP 2		Insert the input from the existing load, as well as the DC supply.
STEP 3		Insert the output conductors, the output side will be powered by the RLED30BOOST.
STEP 4		Replace the cable clamps.
STEP 5		Replace the covers.

4 Initial Checks

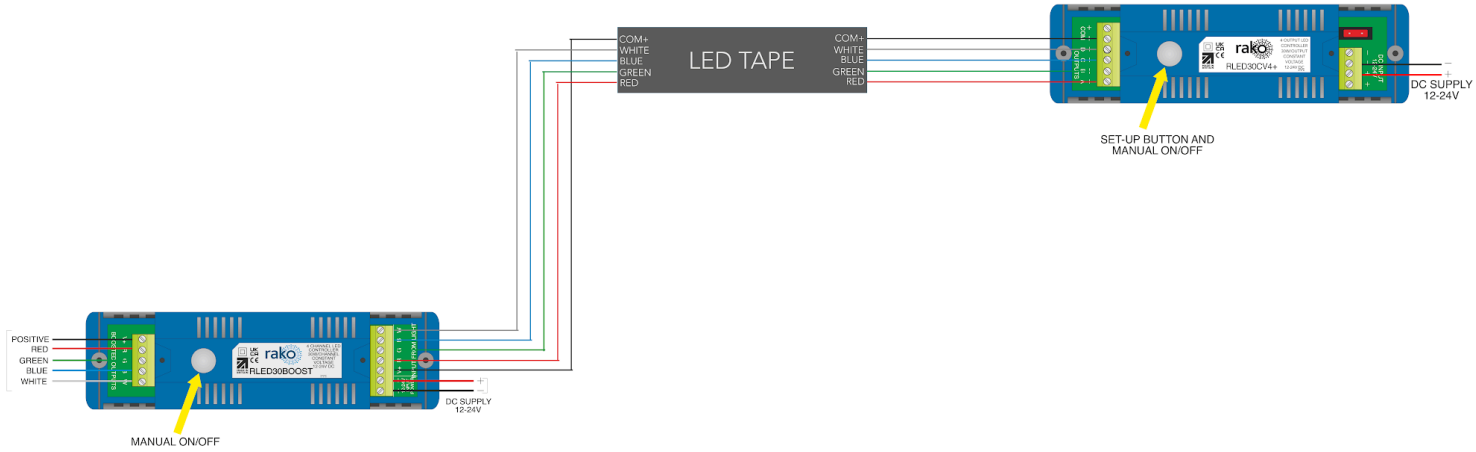
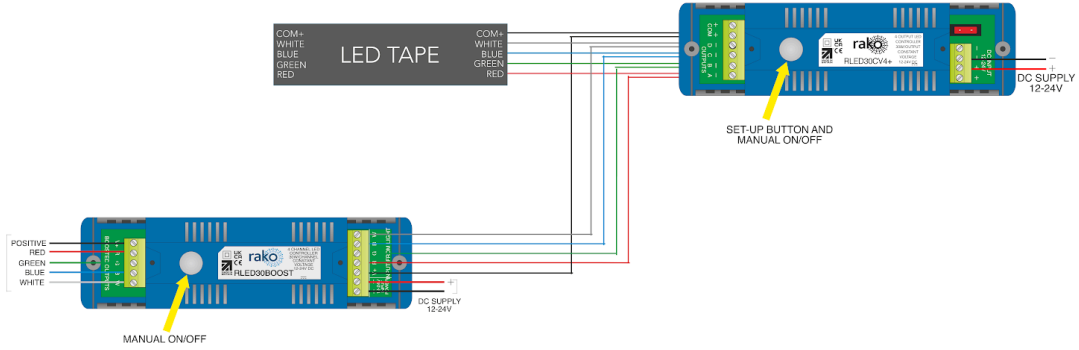
- When power is initially connected to the module, the load should copy the output setting of the connected RLED30CV4+ or WLED30CV4, for example: if the output on the RLED30CV4+ is set to red, the output of the RLED30BOOST will show red.

- If the RLED30CV4+ or WLED30CV4 is off or not connected, the clear button can be used as a manual on/off to test the output, the output will only illuminate whilst the button is held down and all outputs will go to full brightness.

- The RLED30BOOST does not have a Wireless receiver and there is no onboard LED.

Appendix 1 - Wiring options

Wiring Option 1



Wiring Option 2