

RGBW COB LED RIBBON | 16 WATTS PER METRE | IP20

COLOUR	CODE
RGBW	BL-LS-COB16-RGBW

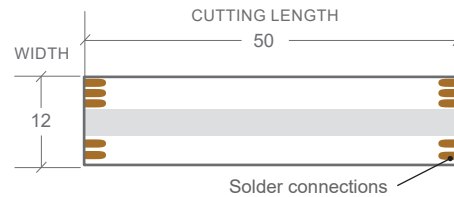
COLOUR VARIANCE +/- 200K
ELECTRICAL & OPTICAL DATA VARIANCE +/- 10%
SOLD BY THE METRE

LED WATTS	16W/m
INPUT VOLTS	24V DC constant voltage
OPERATING TEMP.	-25°C ~ +45°C
MAX. RUN PER POWER FEED	5 metres
LUMENS	R 104lm/m G 336lm/m B 96lm/m W 344lm/m
BEAM ANGLE	180°
SOURCE LIFE	50,000 hours
WARRANTY	3 years
MOUNTING	3M adhesive backing A Bright Light approved aluminium profile is required for thermal management & environmental protection
INGRESS PROTECTION	IP20
CONTROL	Requires 4-channel controller

NOTE FOR DIMMING/CONTROL OF RGB & WHITE STRIP

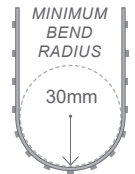
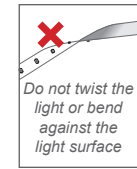
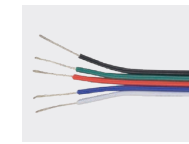
*This product requires a controller with 4 channels, it uses a common positive and all colours are controlled by PWM on the negative side. Requires 5-core cable for all installations, cable diameter will depend on distance & amps required by the LED strip.

ALWAYS UNCOIL BEFORE USE



CONNECTION

Due to the nature of RGBW COB, the solder pads are smaller than standard ribbons. We strongly recommend the use of our 5-core RGBW COB cable.



ACCESSORIES

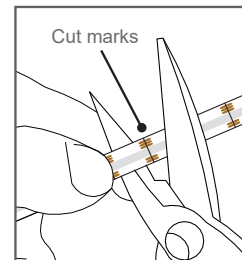
5-CORE CABLE FOR RGBW COB 500MM

CODE

BL-LS-COB16-5CCAB

CUT

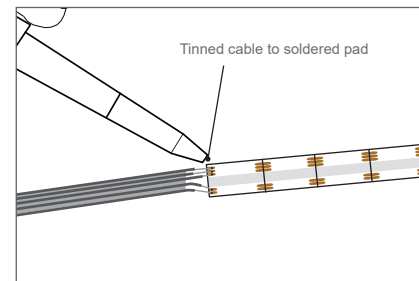
COB ribbon needs to be cut **exactly** on the cut line between the solder pads. The LED's are extremely close together and deviation from this line may result in light being visible from an LED being partially exposed at the end.



If this occurs, either recut at the next cut line or add a touch of dark light-blocking silicone to prevent light bleed at the end.

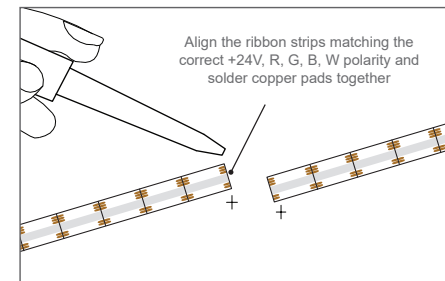
CABLE CONNECTION

To add a cable connection, cut and trim the wires to the appropriate length required. Solder the wires to the soldering pads at the end of the LED ribbon strip ensuring the correct +24V, R, G, B, W polarity to form a continuous electrical circuit.



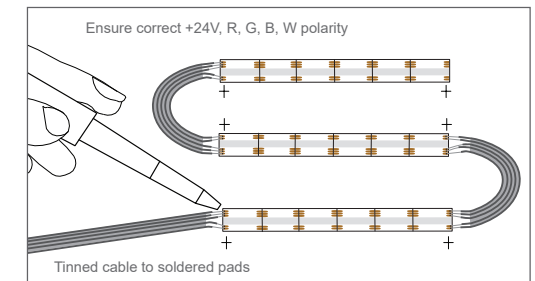
END TO END CONNECTION

To connect one length of ribbon strip to another. Align LED ribbon strips end to end matching the correct +24V, R, G, B, W polarity between both lengths. Heat and solder the two lengths of ribbon together, using the soldering pads on both strips to form a continuous electrical circuit.



CORNER CONNECTION

To provide a corner connection, cut and trim the wires to the appropriate length for the corner. Solder the wires to the soldering pads at end of the LED ribbon strip and to the beginning of the new ribbon strip ensuring the correct +24V, R, G, B, W polarity to form a continuous electrical circuit.



Please note drawings are an installation guide only. Each LED Ribbon Strip application may have variable factors. Cable size may need to be specified to limit the voltage drop throughout the circuit.

4-CHANNEL CONTROLLER WITH RGB & WHITE STRIP & POWER SUPPLY

EXAMPLE ONLY. Always refer to installation guide for controller being used.

