



RGBW COB LED RIBBON | 16 WATTS PER METRE | IP66

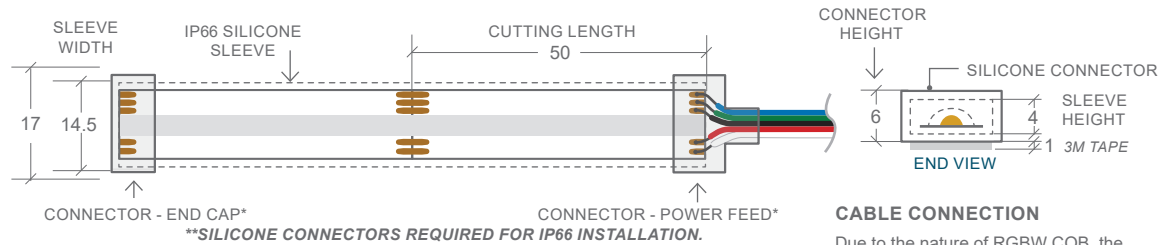
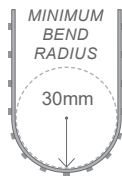
COLOUR	CODE
RGBW	BL-LS-COB16-RGBW-IP66

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

LED WATTS	16W/m (4W/m per channel)
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	IP66 - General exterior & interior use. Encased in silicone sleeve. Protection established by use of silicone connections <i>Not suitable for submerged applications</i>
CONTROL	Requires 4-channel RGBW controller. Requires 5-core cable (BL-LS-COB16-5CCA recommended)

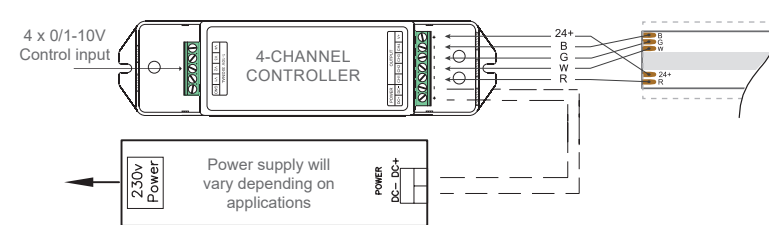


Do not twist the light or bend against the light surface



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

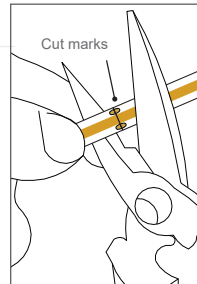
EXAMPLE ONLY. Always refer to installation guide for controller being used.



INSTALLATION FOR SILICONE CONNECTORS

CUT EXACTLY ON LINE

COB ribbon needs to be cut **exactly** on the cut line between the solder pads.

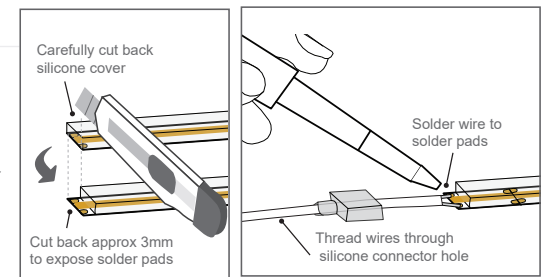


To ensure IP66 rating: All open LED COB ribbon ends need to be covered with a power connector or end cap. Do not leave any end exposed.

ADD A POWER CABLE CONNECTION

Use craft knife to carefully notch cut the silicone cover from LED ribbon strip solder pads (about 2mm). **Avoid cutting pcb or LED phosphor.**

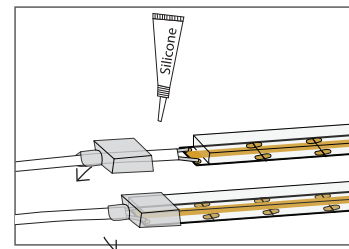
Cut and trim the wires to the appropriate length required. Thread wires through silicone connector power feed hole and solder wire to the soldering pads at the end of the LED ribbon strip. Ensure the correct +24V, R, G, B, W polarity to form a continuous electrical circuit.



SEAL POWER CONNECTOR

Peel off 11mm of the 3M tape from back of the ribbon strip.

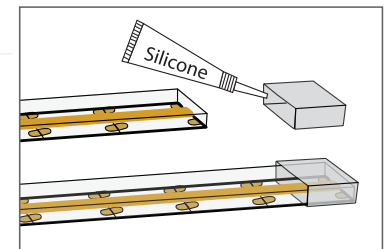
Insert liquid silicone to completely cover strip solder connection point (to at least 3mm depth). Then fill the silicone power feed connector with liquid silicone before fitting it over COB sleeve end to ensure IP66 rating.



SEAL END CAP

Insert liquid silicone into end cap and fit over end of ribbon. Allow silicone to set before use.

End cap required for IP66 rating.



CABLE 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.

NOTE FOR DIMMING/CONTROL OF RGBW

*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.

CONNECTORS - SILICONE
— WIDTH 17MM x H6MM —
SOLD SEPARATELY



POWER FEED
BL-LS-CS-RGBW-IP66-PC



END CAP
BL-LS-CS-RGBW-IP66-EC

ALWAYS UNCOIL BEFORE USE