

SIDE LIGHT BAR | 6.5 WATTS



COLOUR	CODE
NATURAL WHITE 4000K	BL-MOD-Z301-IP-NW
COOL WHITE 6000K	BL-MOD-Z301-IP-CW

LED WATTS	6.5W per module
INPUT VOLTS	24V DC Constant Voltage / Constant current onboard conversion
OPERATING TEMP.	-25°C ~ +60°C
MAX. CASCADE RUN PER POWER FEED	9 modules
LUMENS	720lm per module
EFFICACY	110lm/W
BEAM ANGLE	10° and 40° Elliptical beam
WARRANTY	5 years
DIMENSIONS	W30 × H22 × L323mm
HOUSING	Aluminium extrusion
INGRESS PROTECTION	Indoor use only IP65 available on request (indent)
MOUNTING	Provision for screw mounting
CONTROL	Dimmable by PWM signal Specialised control gear required

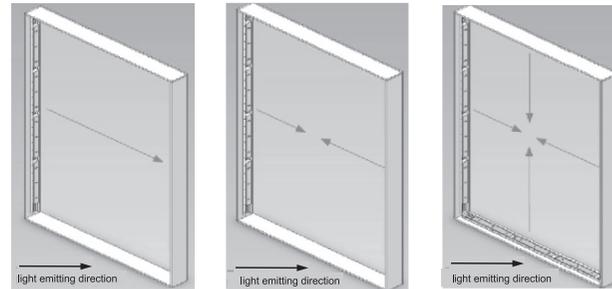
CONNECTION DIAGRAMS

Connecting Controller



The maximum cascading power of this product is equal to/or less than 100W

INSTALLATION EXAMPLE

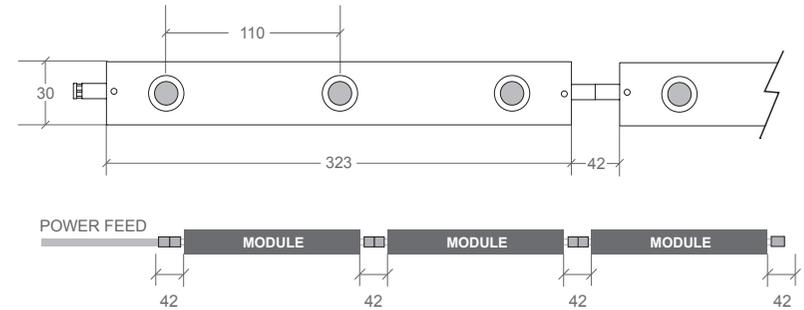


1. The maximum distance between adjacent light bars is 140mm
2. DIM terminal, dimming function, input PWM sinle with (0V to 5V) signal amplitude.
3. Spray white to the internal frame of light box, or use a reflective material.

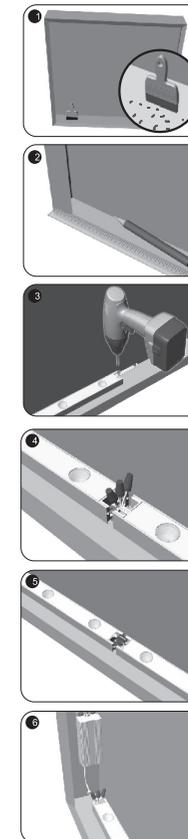
LIGHT BOX SIZE (L × W)	LIGHT BOX DEPTH	LIGHT BAR LAYOUT	SURFACE ILLUMINATION SCOPE (LX)
2m × 1.5m	300mm	1.5m ² sides light emitting	376
2m × 1.5m	300mm	2m ² sides light emitting	332
1.5m × 1m	180mm	1.5m ² sides light emitting	450
1.5m × 1m	180mm	1m ² sides light emitting	628

1. Tested with CCT 6000K LED
2. Double-sided light box, 3M-P2 white light box fabric with 40% light transmittance
3. The above illumination are average values are for reference only.

DIMENSIONS



INSTALLATION STEPS



Clean the installation surface

Determine installation position. Standard distance between adjacent light bars is 7mm, but can be up to 140mm.

Fix the light bar with screws

Connect wires of light bars with terminals, then spray neutral glass glue with gun

Place terminals and wires into the gap between two adjacent light bars

Connect to power supply (PWM controller is optional)

CALCULATING MODULE LENGTH

Bright Light recommends allowing 42mm of space at both start (power feed) and end (ensuring centrally mounting), and an additional 42mm between any connected modules (used by module join connectors).

ATTENTION

- Inadequate connection of the '+' and '-' of the light bar to that of the power supply may result in damage.
- Reverse connection of DIM terminal may result in damage. (If the dimming function is not required, cut off the exposed DIM wires and apply waterproof protection.)
- Ensure wires of light bar are screwed into power supply securely to ensure they will not pull loose.
- The product should be installed and serviced by a professional electrician.
- Do not install product while power is on.
- Do not use an acid or alkaline adhesive to fix this product.
- This product will generate heat when in operation. Good heat dissipation on will prolong the working life of the light bar.
- Please check the output voltage of any power supply used complies with the working voltage of the LED product used.
- Ensure an adequate sized cable is used from the controller to the LED lights to carry the current
- Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED light bars.
- If a fault occurs please return product to your supplier. Do not attempt to fix this product yourself.