Chronos LED Pixel Bar - 1m Length - 24V - 64 LEDs - IP65

tagra®

SKU: TC-PB-64-100-RGB
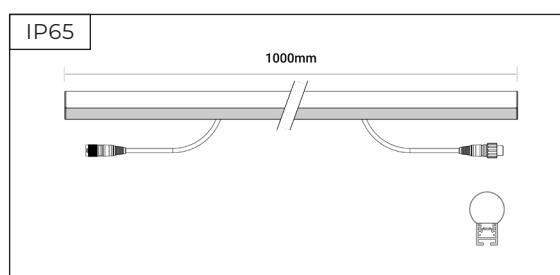
1M **24V** **64 LEDs** **IP65** **PIXEL**

▸ 64 LEDs / 1000mm ▸ Length 1M

▸ 64 Pixels / 1000mm ▸ 3 Diffuser Types

▸ 18mm x 18.5mm Profile ▸ 1 Year Warranty

Dimenions

IP65

1000mm

Electrical Data

SKU	Voltage	Wattage	Current
TC-PB-64-100-RGB	24V	13W	0.55A

Photometric & Light Data

Colour Temp	Chip Type	Beam Angle	Dimmable	LEDs	LEDs / Pixel	Pixels
RGB	5050RGB	Various	Yes	64 LEDs	1 LED	64 Pixels

Control Type	IC Type	Colour Resolution	PWM Rate
Digital Addressable	SK6812	8 bits	1200Hz

Colour	CCT / Wavelength	Lumens / m	Lumens / W	CRI
RED	620-625nm	-	-	-
GREEN	522-525nm	-	-	-
BLUE	467-470nm	-	-	-

Mechanical Data

IP Rating	Cable Length	Connection	Cable Type	Input > Output
IP65	150mm	XLR 4-Pin	H05 RN-F	Female XLR > Male XLR

Operating Temp.	Storage Temp.	Average Lifespan	Software
-25°C ~ +65°C	-20°C ~ +65°C	-	Mad-Show (Madrix, Resolume, MadMapper)

Length	Profile	Weight	Endcap Colours	Endcap Material	Diffuser
1000mm	18mm x 18.5mm	0.56kg	Black	Plastic	Opal PC

Diffusers

Flat Black Diffuser

18mm
18mm

Square Frosted Diffuser

37mm
18mm

Round Frosted Diffuser

45.5mm
30mm

Beam Angles

Flat Diffuser

120°

Square Diffuser

270°

Round Diffuser

330°
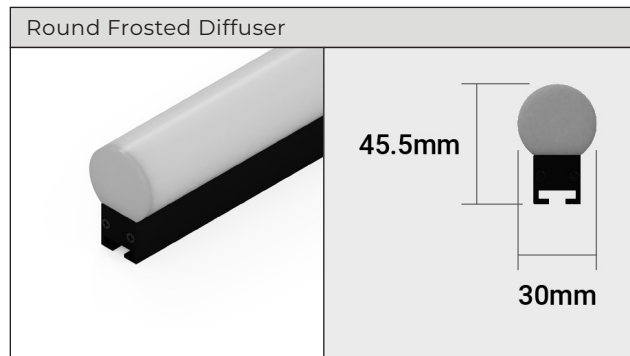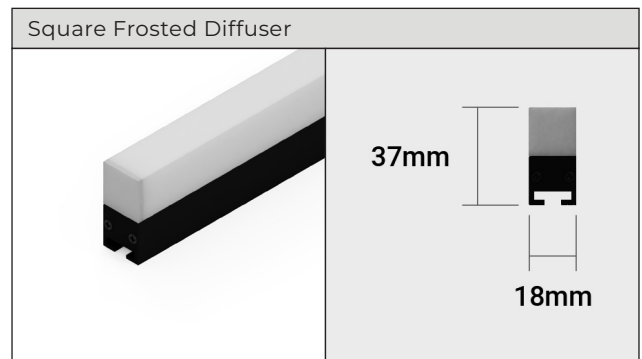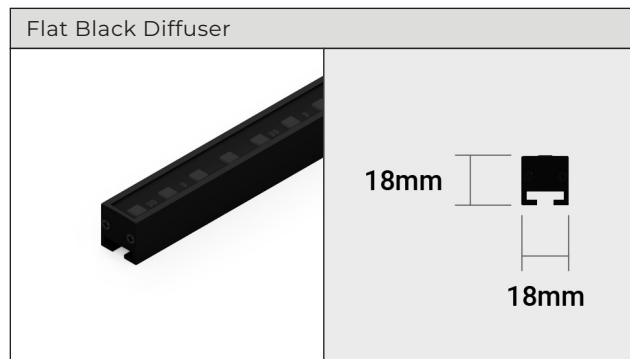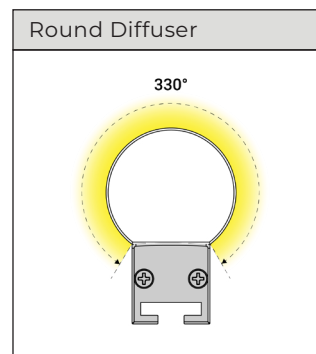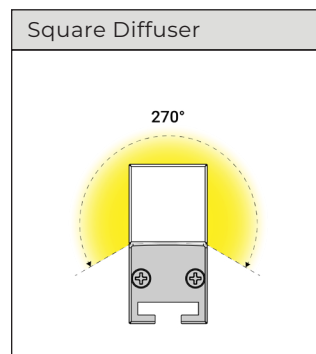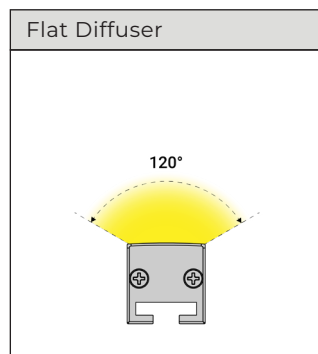
Connections

Connector Plate
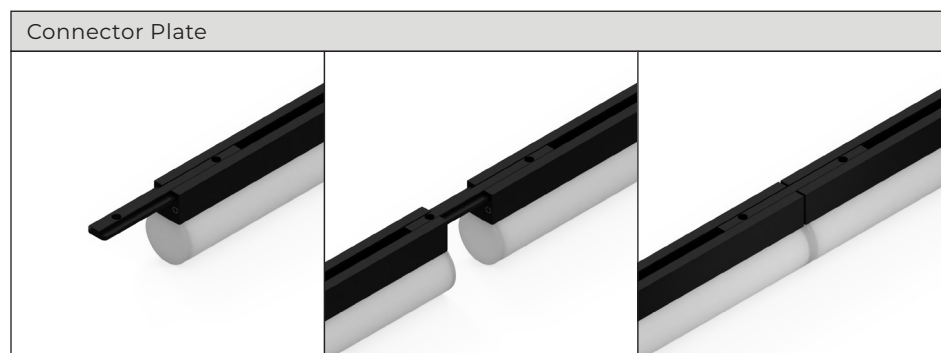
▸ Connect bar lights together with no gap.

▸ Simple and convenient installation, easy to build and setup.

▸ A variety of angle connectors available to meet all construction needs.

Connections (continued)

90° (TC-PA-90DEGCON)	120° (TC-PA-120DEGCON)	T (TC-PA-TCON)

Y (TC-PA-YCON)	X (TC-PA-XCON)	Hex (TC-PA-HEXCON)

Connector Clamp (TC-PA-MOUNTBAR20MM)

▸ Connect the clamp to an object with 20mm diameter.

▸ Once connected the clamp can be adjusted to meet various angles.

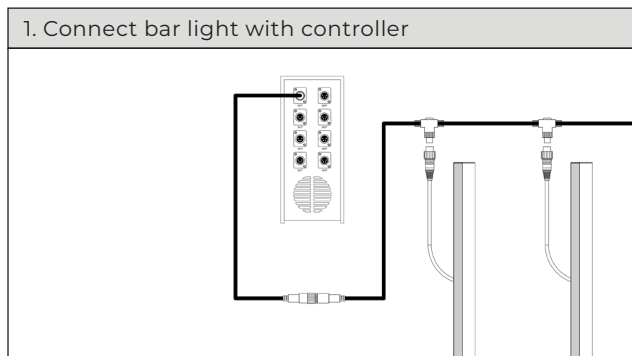**Signal Flow**
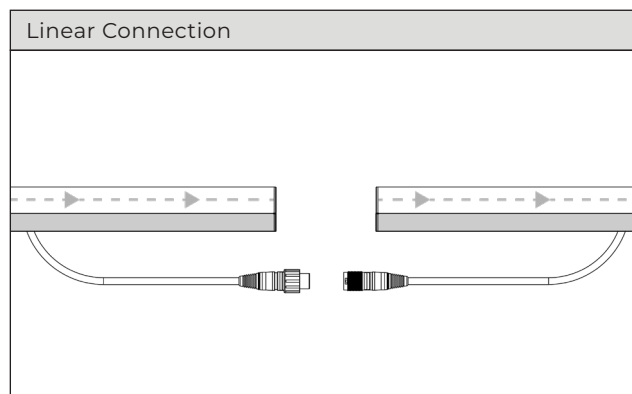
Linear Connection

Note:

Signal flows in one direction.

When connecting bars together remember:

- male XLR connection is the signal input

- female XLR connection is the signal output.

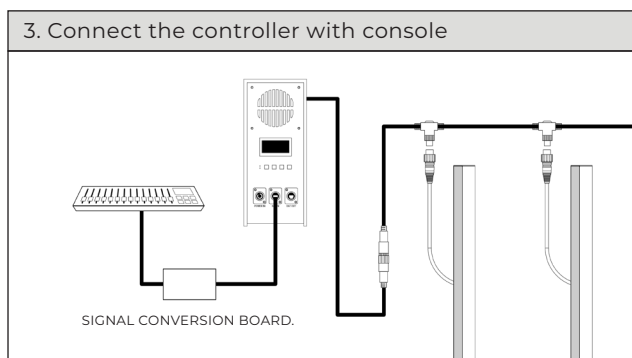**Connection & Control**

1. Connect bar light with controller

▶ The male XLR cable from the bar light connects with the female output port on the controller.

▶ Connect the male XLR from the bar light with a T-Cable and use the threaded nut to secure the bar light and prevent accidental fall off.

2. Connect the controller with software
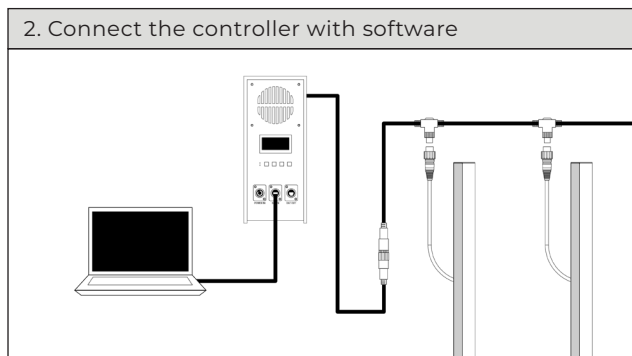
▶ Using a network cable connect the the signal input port on the controller (DATA IN) with the device that contains the software.

3. Connect the controller with console

SIGNAL CONVERSION BOARD.

▶ Connect the console and the controller using the DATA IN port and passing through the signal conversion board.

▶ Turn on the power, set the software and controller parameters to achieve control.

Attention

▶ Please read the product manual before installing the product.

▶ Male connector is input, and female is output.

▶ The product must be powered by a power source that matches the product voltage, and the wiring sequence must be handled in strict accordance with the product label.

▶ In the switching circuit, it is necessary to avoid generating instantaneous high voltage, so as not to exceed the working voltage of the load and burn the product.

▶ If there are too many meters in the cascade string, it needs to be treated to prevent voltage drop.

▶ When design the product effect, choose the same IC as the product model, otherwise it will affect the normal operation.

▶ In order to ensure waterproof and anti-corrosion, after the power cord is inserted into the connector, it is recommended to use neutral glass glue or inject the terminal with waterproof grease to cover the exposed copper wire of the power cord for protection.

▶ This product is not waterproof , pay attention to the use environment.