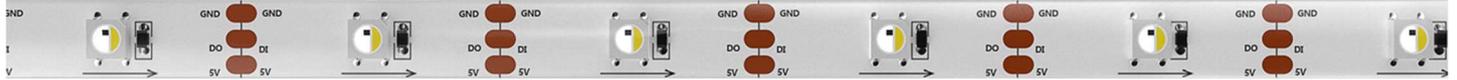


8PX30 – Datasheet

5V 30 pixel/per meter RGBW pixel strip with premium white PCB.



ENTTEC's 8PX30 is an installation grade 5V 30 pixel per meter addressable LED Pixel Strip designed for professional architectural and entertainment purposes, used to display smooth animated graphics achieving soft pastels and saturated colors on a large scale.

Cut and join into any conceivable shape to form a large digital canvas to bring your project to life.

A key feature of the 8PX30 pixel strip it's white LED emitter capable of producing a 4350K color temperature.

It's white PCB makes it perfectly suited to installing in extrusions and lightboxes where it contributes to reflecting as much light forward as possible.

It's high 400Hz scan rate and 8-bit color depth means graphics and animations played back are both smooth and consistently.

At ENTTEC, manufacturing quality and attention to detail is paramount. We always use thicker substrates to offer more durability, better heat dissipation and reduced voltage drop when compared to other LED strips available on the market.

Features

- **RGBW, 4 in 1 full color LED pixel strip.**
- **Premium flexible white 3oz copper PCB's.**
- **Individually addressable LED pixels, suitable for stage, entertainment and architectural applications.**
- **Each pixel is capable of creating up to 4.29 billion possible shades.**
- **30 pixels/m.**
- **5V DC input supply voltage.**
- **Up to 160 Lumens/Meter.**
- **3M adhesive double side tape on the rear.**
- **Built-in data signal reshaping circuit in each pixel.**
- **Front Polymer encapsulation seal**
- **SK6812 IC chips (compatible with the WS2812 protocol).**
- **120-degree illumination.**
- **High LED density.**
- **Can be cut or joined at each copper tab.**
- **IP20 Indoor use only.**
- **Maximum 6.6 Watts/Meter.**
- **Designed for use with ENTTEC pixel products.**

Specification

Connectors	2x 3Pin JST SM connectors (3A max)
IP rating	IP20
Input voltage	5V
Watts/meter (max)	RGB: 3.9W W: 2.7W Total: 6.6W
Lumens/meter (max)	RGB: 63 W: 97 Total: 160
White color temperature	4050K – 4250K
Efficacy (Lm/Watt)	24.4
DMX channels/pixel	4
Beam angle	120 °
Control protocol	SK6812 (compatible with WS2815)
Pixel mapping order	GRBW
PCB color	White
PCB width	10mm / 0.40"
Bend radius (Min)	30mm / 1.2"
Spacing between cuttable sections	33.2mm / 1.30"
Environmental operating temperature	0°C to 50°C 32°F to 122°F
Environmental operating humidity	5- 95% (non-condensing)
Weight (5m roll)	0.115Kg / 0.254lbs
Shipping dimensions	240*215*16mm / 9.45" * 8.47" * 0.63"
Shipping weight	0.220Kg / 0.485lbs
Warranty	1 year return to base manufacturer warranty

Certification



Box contents

- 1* 5m 8PX30 reel
- 1* 3Pin JST SM connector (3A max)
- Installation sheet

Connections

3PIN JST SM Connector:

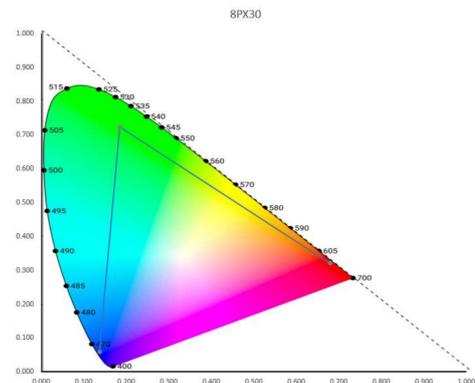
- 5V
- GND: 0V
- DI: Data In

Visit the ENTTEC Knowledge base for wiring guides.

Safety

- Ensure all cabling is rated to handle the current of each pixel strip section. ENTTEC recommend separate wiring soldered directly to the strip, to substitute the original JST SM connector for sections exceeding 3A current consumption.
- Make all connections and ensure your installation is appropriately fused before powering it.
- Handle with care and adhere to the LED Pixel Strip instruction sheet.
- Pixel strips produce heat; ensure proper thermal management by attaching to a thermally conductive surface and providing 150mm / 6" for convection.
- This product is intended for indoor use only. Do not expose to moisture, doing so will void the warranty.
- Never plug this product into a dimmer.

Color Gamut Chart



Ordering information

For further support and to browse ENTTEC's range of products visit the ENTTEC website.

Item	SKU
RGBW PIXEL TAPE 30 LEDS/METER 5V - 5M Roll	8PX30-F

enttec.com

MELBOURNE AUS / LONDON UK / RALEIGH-DURHAM USA

Due to constant innovation, information within this document is subject to change.