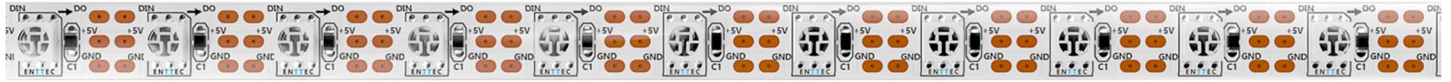


8PL60-F – Datasheet

5V 60 pixel/per meter RGB pixel strip with white PCB.



ENTTEC 8PL60-F is a 5V 60 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.

The 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 fast 1.2KHz scan rate and 8-bit color depth means graphics and animations played back are smooth and consistent.

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 standard LED strips available on the market.

Features

- **RGB, 3 in 1 full color LED pixel strip.**
- **Premium flexible black 3oz copper PCB's.**
- **Individually addressable led pixels, suitable for stage, entertainment and architectural applications.**
- **5V DC input supply voltage.**
- **60 Pixels/meter density.**
- **SK6812 IC chips.**
- **16.7 million possible shades.**
- **120-degree illumination.**
- **3M adhesive double side tape on the rear.**
- **Built-in data signal reshaping circuit.**
- **High LED density.**
- **Can be cut or joined at each copper tab.**
- **IP20 Indoor use only.**
- **Designed for use with ENTTEC pixel products.**
- **Maximum 10.4 Watts/Meter.**

Specification

Connectors	2* 3Pin JST SM connectors (3A max)
IP rating	IP20
Input voltage	5v
Watts/meter (max)	10.4W
Lumens/meter (max)	122
Efficacy (Lm/Watt)	20.2
DMX channels/pixel	3
Beam angle	120 °
Control protocol	SK6812 (compatible with WS28xx)
Scan rate	1.2KHz
Backup data line	No
Pixel mapping order	GRB
PCB color	White
PCB width	10mm / 0.40"
Bend radius (Min)	30mm / 1.2"
Spacing between cuttable sections	16.6mm / 0.66"
Environmental operating temperature	0°C to 50°C 32°F to 122°F
Environmental operating humidity	5- 95% (non-condensing)
Weight (5m roll)	0.18Kg / 0.40lbs
Shipping dimensions (Single Roll)	240 * 215 * 16mm 9.45 * 8.47 * 0.63"
Shipping weight (Carton of 5 rolls)	0.80Kg / 1.76lbs
Shipping dimensions (Carton of 5 rolls)	260 * 225 * 93mm 10.24 * 10.04 * 3.66"
Warranty	1 year return to base manufacturer warranty

Certification



Box contents

- 1* 5m 8PL60-F reel
- 1* 3Pin JST SM connector (3A max)
- Installation sheet

Connections

3PIN JST SM Connector:

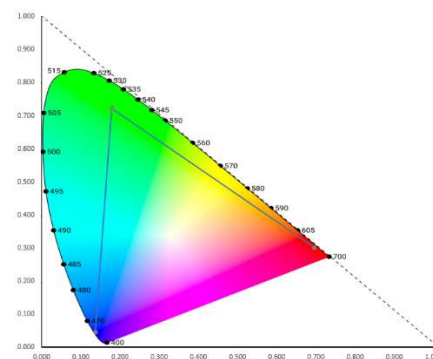
- 5V
- GND: 0V
- DI: Data In

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
RGB PIXEL STRIP 60 LEDs/METER 5V – 5-METER ROLL WHITE	8PL60-F

enttec.com

MELBOURNE AUS / LONDON UK / RALEIGH-DURHAM USA

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