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Datasheet
50904
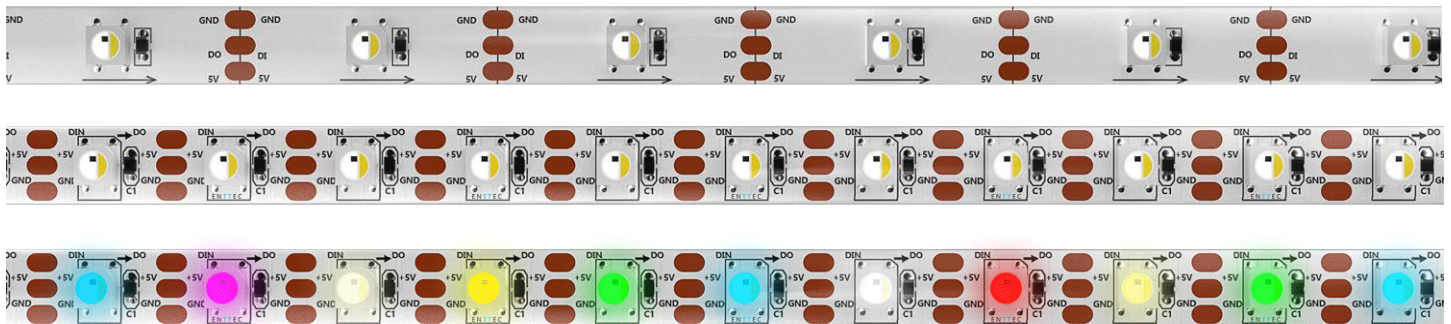For latest version visit:
www.enttec.com
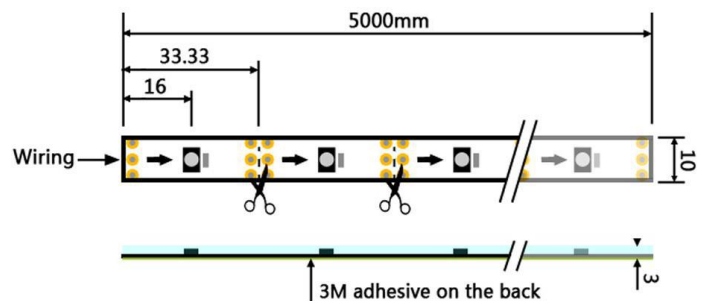
RGBW Pixel Tape (8PX)

Features

- RGBW, 4 in 1 full colour LED
- Individually addressable, suitable for both stage and architectural applications
- Available in two different densities: 30 and 60 pixels/Metre
- Designed for use with ENTTEC Pixel Link System
- Total wattage - up to 14 Watt/Metre
- Up to 347 Lumens/Metre
- WS2812B chips built into 5050 RGBW LEDs
- Each pixel can achieve 4,294,967,296 colours and scan frequency not less than 400Hz
- 3M adhesive double side tape at the back
- Built-in data signal reshaping circuit
- 5V DC input supply voltage
- Flexible construction material
- Front Polymer encapsulation seal
- Small LED pitch
- Can be joined together
- Can be cut to a smaller length
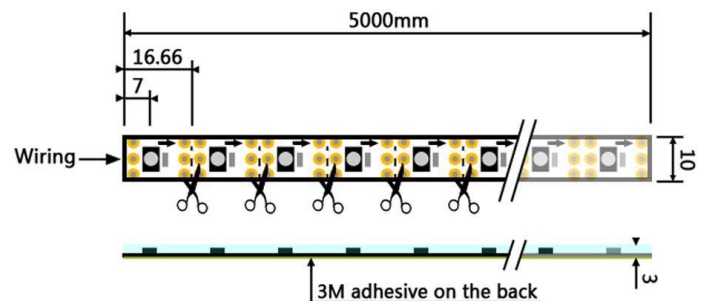- IP20 Indoor use only

Safety

- Do not expose the units to rain
- Do not allow water or other liquids to build up around the tape.
- Do not exceed the rated 5V DC power supply.
- This unit is intended for indoor use only, use of

this product outdoors voids all warranties.

Physical Dimensions

30 Pixels/meter

60 Pixels/meter

Effects of Voltage Drop

Color	Maximum length, before color change is evident	
	Single Injection	**Dual Injection**
Red	8.5 m	15 m
Green	8.5 m	15 m
Blue	8.5 m	15 m
White (only)	3 m	10 m
All on	5 m	10 m

Note:
Used 180W power supply at a lower intensity to evaluate voltage drop for white (only) and all on tests

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Specifications

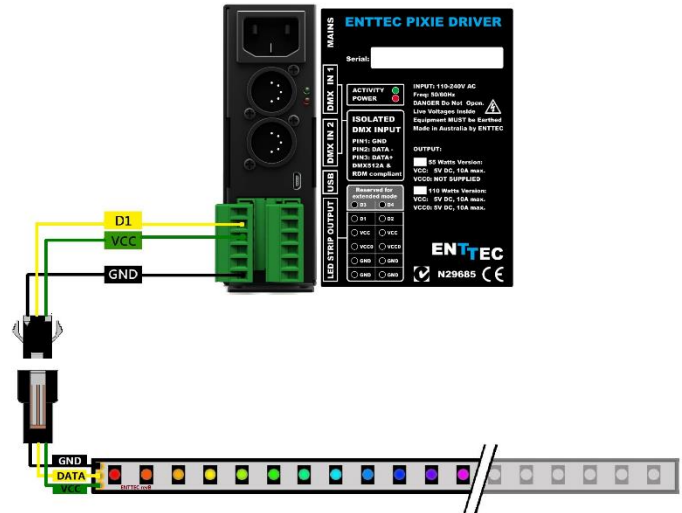| Item	8PX30	8PX60
Input Voltage	+4.8V ~ +5.2VDC	
Data line Voltage	-0.5V ~ VCC+0.5V	
Watts/meter (max)	RGB: 3.9W W: 2.7W Total: 6.6W	RGB: 8.3W W: 5.7W Total: 14W
Lumens/meter	RGB: 63 W: 97 Total: 160	RGB: 150 W: 197 Total: 347
Efficacy (Lm/Watt)	24.4	24.9
DMX Channels/LED	4	
Color temperatures	White LED: 4350K RGB White: 15700K	
Beam angle	120 °	
Control protocol	WS2812B	
Connector	JST SM connectors	
Weight	258 g	
Operating temperature	5 to 50°	
Pixel Mapping Order	GRBW	
Front Polymer encapsulation seal	Yes	
IP Rating	IP20	
PCB Color	White	
White Temperature	4050K – 4250K	

Connections with Plink Injector:

Note:
- The wire in the middle of a JST connector is always DATA regardless of color
- It is important to turn off the mains to the devices before doing any led tape connections.

Connections with Pixie Driver:

The below diagram shows a standard connection between 8PX and ENTTEC Pixie Driver. It is important to turn off the mains to the devices before doing any connections.
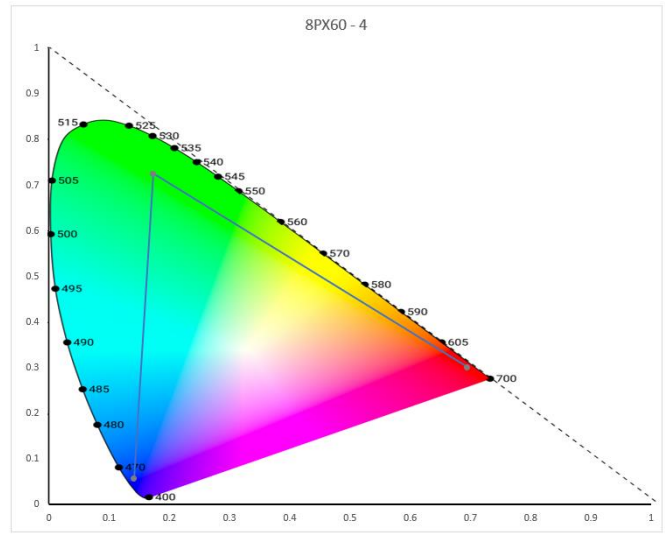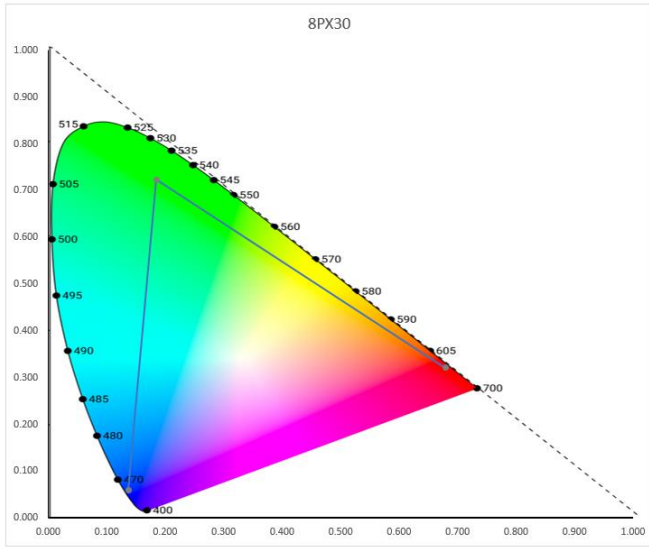

Note:
- The wire in the middle of a JST connector is always DATA regardless of color
- It is important to turn off the mains to the devices before doing any led tape connections.

Ordering Information

The ENTTEC RGBW Pixel strips and compatible products can be ordered from our website or through your ENTTEC dealer.

Item	Value
73540	PIXIE DRIVER 5V (110 WATTS)
73541	PIXIE DRIVER 5V (55 WATTS)
73546	Plink Injector 5V
8PX60-4	RGBW PIXEL TAPE 60 LEDS/METER 5V - 4M Roll
8PX30-F	RGBW PIXEL TAPE 30 LEDS/METER 5V - 5M Roll

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Colour Gamut Charts

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