

## PFS5000x12-240SL5050RGBWxx

### Bendable Flexible LED Strip

#### Features

- Flexible, bendable LED light source
- High performance SMD emitters
- Easy to cut at intervals
- Wide 120° angle of emission
- Low power low heat, long life
- 3M VHB Adhesive backing tape



#### Applications

POS Display equipment, signage, accent & decorative lighting

#### Configuration

| Part No. series             | PFS5000x6-240SL5050-xx |
|-----------------------------|------------------------|
| LED's / metre               | 48                     |
| LED Pitch                   | 20.8mm                 |
| Reel Size / Qty             | 5M/240                 |
| Strip Width No coating IP20 | 12.0mm                 |

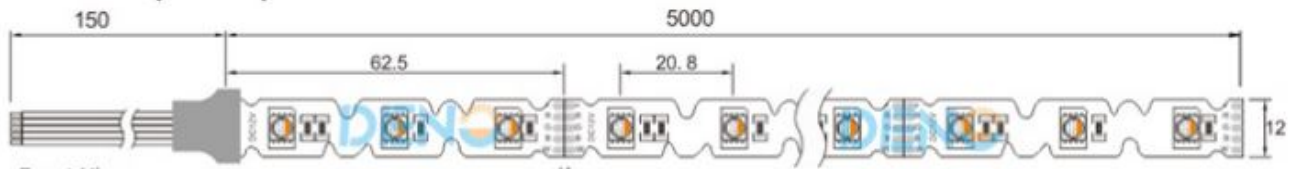
#### Maximum Electrical Characteristics Ta=25°C

| Parameter                         | 12VDC        | 24VDC        | Unit          |
|-----------------------------------|--------------|--------------|---------------|
| Input Voltage                     | 12v Typical  | 24v Typical  | VDC           |
| Current consumption / metre (max) | 400mA        | 200mA        | mA/m          |
| Current consumption total (max)   | 6.3A         | 3.16A        | A/ TOT / reel |
| Power consumption / metre (max)   | 15.36W       | 15.36W       | W/m           |
| Power consumption total (max)     | 76W +/- 5%   | 76W +/- 5%   | W/TOT / reel  |
| Operating Temp                    | -20 to +45°C | -20 to +45°C | °C            |
| Storage Temp                      | -10 to +55°C | -10 to +55°C | °C            |

#### Optical Characteristics Ta=25°C

|            | CCT typ.  | Luminous Flux Typ.<br>(lm/M) | Viewing Angle |
|------------|-----------|------------------------------|---------------|
| Red        | 620-625nm | 420                          | 120°          |
| Green      | 520-525nm |                              |               |
| Blue       | 465-470nm |                              |               |
| Pure White | 6000K     |                              |               |

## Dimensions



### Handling notes:

Ensure that the correct low voltage dc power supply is matched to the flexible strip specification

Avoid repeated bending of the strip as this will damage the circuit and components Avoid handling of the surface components in particular the LED emitters as any pressure may result in damage and latent failures.

When cutting IP65 the ingress protection will be compromised please ensure that the assembly is re-sealed accordingly in order to maintain the IP rating

### Installation notes:

To achieve a consistent luminous effect, each 5 metre length should be connected to the power source.

To ensure long life we recommend that the strip is kept as cool as possible and environments where the temperature exceeds 40°C should be avoided

### Drive & Control:

For control solutions please refer to our range of controllers and drive options which include DMX, RF Wireless, WiFi. More information may be found at <http://www.plusopto.co.uk/led-controllers.html>

Specifications may be subject to change without notice