

## PF5000x12-300SLM3535RGB

### High Intensity RGB Flexible LED

#### Features

- Full colour RGB Flexible LED light source
- High performance 3-chip-in-one 3535 emitters
- Easy to cut at intervals
- Wide 120° angle of emission
- Low power, low heat, long life
- 3M Adhesive backing tape



**Applications:** POS Display equipment & Backlighting

#### Configuration

| Parameter   | Rating                                | Unit         |
|---|---------------------------------------|--------------|
| LED emitters PLCC 3535  | 300 pcs 3.5x3.5mm                     | TOTAL / reel |
|   | 60 pcs 3.5x3.5mm                      | /metre       |
| LED pitch   | 16.66                                 | mm           |
| Dimensions 12vdc  | 5000x12mm cuttable at 50mm intervals  |              |
| Dimensions 24vdc  | 5000x12mm cuttable at 120mm intervals |              |
| Termination   | 4x Flying wire leads 200mm long       |              |
| Connection  | 4 wire R,G,B, with Common +ve         |              |
| Optional termination via 4-way XHP-4 connector with 500mm leads |                                       |              |

#### Electrical Characteristics

| Parameter                   | 12v Rating   | 24v Rating  | Unit          |
|-----------------------------|--------------|-------------|---------------|
| Input Voltage               | 12v Typical  | 24v Typical | Vdc           |
| Current consumption / metre | 840mA        | 460mA       | mA/m          |
| Current consumption total   | 4.2A         | 2.3A        | A/ TOT / reel |
| Power consumption / metre   | 10W          | 14.4W       | W/m           |
| Power consumption total     | 50W +/- 5%   | 72W +/- 5%  | W/TOT / reel  |
| Operating Temp              | -20 to +45°C |             | °C            |
| Storage Temp                | -10 to +55°C |             | °C            |

#### Electro-optical characteristics

| Characteristics                    | Wavelength typ. nm | Intensity typ mcd | Unit    |
|------------------------------------|--------------------|-------------------|---------|
| Intensity & colour                 | Red                | 620               | nm /mcd |
|                                    | Green              | 520               |         |
|                                    | Blue               | 470               |         |
| Viewing Angle 2Θ1/2 (°)            | 120                |                   | degrees |
| Luminous Flux / metre (white mode) | 700                |                   | lumens  |

Notes:

Optional encapsulation is available to provide IP65 or IP68 rating.

Specifications may be subject to change without notice