

TD24-RGB3K1205M



Key Features

- Product Width: 12mm
- IC Type: WS2814
- Lm/m (up to): 1153Lm/m
- Lm/W (up to): 43Lm/W
- CRI: 80+
- Lightsource SDCM: ≤5
- Run Length (Max): 5m
- Available Colours: 3000K, 4000K, 6000K
- Warranty: 2 Years

24V

PWM

From 2 Bins

>80 CRI

HORIZ BEND

IP20

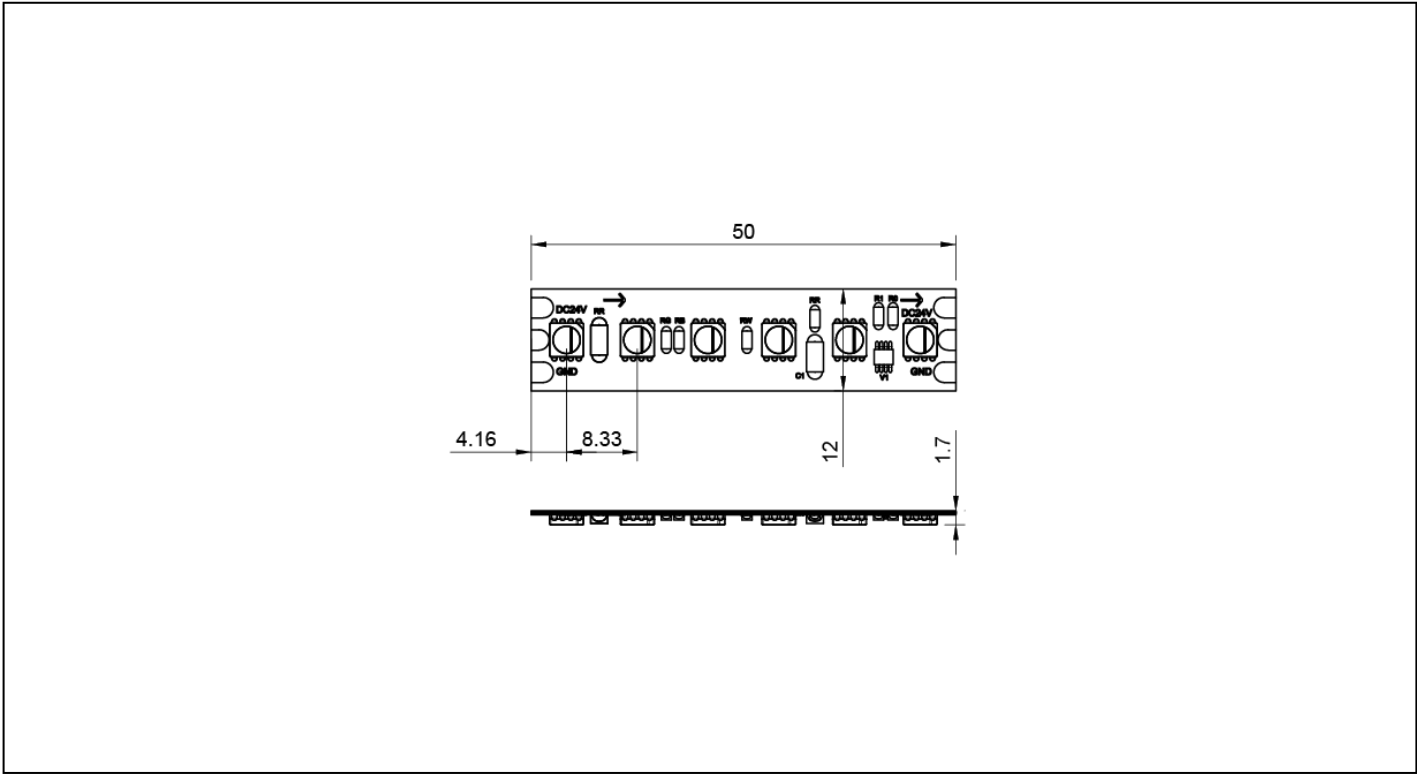
120° BEAM

Mechanical Data

|                       |            |
|-----------------------|------------|
| Bend Direction        | Horizontal |
| Cable Both Ends       | Yes        |
| Cable Length          | 0.5 mm     |
| Cable Sheath Material | PVC        |
| Cable Weight          | 20 AWG     |
| LED Chip Brand        | Epistar    |
| LED Chip Type         | 4040       |
| Copper Foil Weight    | 3 oz       |
| Cut Points            | 50 mm      |

|                            |              |
|----------------------------|--------------|
| LED Pitch                  | 50 mm        |
| LEDs Per Unit              | 6            |
| LEDs Per Metre             | 120          |
| LEDs Total                 | 600          |
| Min · Bend Radius          | 30 mm        |
| PCB Type                   | Flexible     |
| Pixels Per Metre           | 20           |
| Self Adhesive Brand        | 3M           |
| Self Adhesive Model Number | 300LSE       |
| Body Colour                | White        |
| Entry Cable Direction      | End          |
| Product Dimensions         | 5000x12x2 mm |

Dimensions



Input

|               |      |
|---------------|------|
| Input Voltage | 24 V |
|---------------|------|

## Control

|                       |         |
|-----------------------|---------|
| Control Signal Input  | Pixel   |
| Default PWM Frequency | 2000 Hz |
| Dimming Type          | PWM     |
| IC Type               | WS2814  |
| Dimmable              | Yes     |

## Electrical Data

|                                     |        |
|-------------------------------------|--------|
| Constant Voltage / Constant Current | CV     |
| Current Max · @5 Metre              | 6.25A  |
| Current Max · White @1 Metre        | 0.33 A |
| Current Max · Rated                 | 1.25 A |
| Wattage Max · @1 Metre              | 30 W   |
| Wattage Typ · @1 Metre              | 27 W   |
| Wattage Typ · @5 Metre              | 135 W  |
| Wattage Typ · @Max Run Length       | 135 W  |
| Current Typ · @Max Run Length       | 5.5 A  |
| Current Max · Blue @1 Metre         | 0.36 A |
| Current Max · Green @1 Metre        | 0.33 A |
| Current Max · Red @1 Metre          | 0.33 A |
| Max · Run Length                    | 5 m    |

## Protection

|                         |     |
|-------------------------|-----|
| Electrical Safety Class | III |
|-------------------------|-----|

## Photometric Data

0161 507 9249 | support@ultraleds.co.uk | www.ultraleds.co.uk | Manchester, M17 1SJ Date: 08/07/2025

Ultra LEDs have taken reasonable care to ensure that the information in this datasheet is accurate at time of publication however it should be noted that all specifications are subject to tolerance. Descriptive specifications such as colour are subjective. Ultra LEDs reserve the right to update specifications without notice. The information in the datasheet may only be relied on by customers of Ultra LEDs in accordance with applicable terms and conditions

|                          |              |
|--------------------------|--------------|
| Beam Angle               | 120 °        |
| Bin Number               | 2            |
| Colour Type              | RGBW         |
| CRI                      | 80           |
| Lumens Per Metre (White) | 424 Lm/m     |
| Lumens Per Watt (Blue)   | 12 Lm/W      |
| Lumens Per Watt (Green)  | 62 Lm/W      |
| Lumens Per Watt (Red)    | 21 Lm/W      |
| Lumens Per Watt (White)  | 55 Lm/W      |
| Peak Luminous Intensity  | 464 cd       |
| SDCM                     | < 5          |
| Lumen Total              | 5600 Lm      |
| Lumens Per Metre         | 1122 Lm/m    |
| Lumens Per Metre (Blue)  | 98 Lm/m      |
| Lumens Per Metre (Red)   | 166 Lm/m     |
| Lumens Per Watt          | 43 Lm/W      |
| CCT                      | 3000 K       |
| Wavelength Blue          | 460 - 465 nm |
| Wavelength Green         | 520 - 525 nm |
| Wavelength Red           | 620 - 625 nm |

**Environment**

|                          |          |
|--------------------------|----------|
| Application Environment  | Indoor   |
| Ingress Protection (IP)  | IP20     |
| Interior or Exterior Use | Interior |

**Efficiency**

|            |             |
|------------|-------------|
| L70B50     | 36000 Hours |
| L80B10     | 36000 Hours |
| L90B10     | 36000 Hours |
| LM80       | 36000Hours  |
| Rated Life | 50000 Hours |