

## Professional Series SMD LED Strip Light

24V - 120 LEDs per metre - IP20/IP67

tagra®

SKU: PS24-120



24V

120  
LEDs/m

10.6  
Watts/m

16.66  
(mm)  
Cut Point

7YR  
Warranty

### Key Features

- Available in 2700K, 3000K, 4000K & 6000K
- 16.66mm Cut Points
- 120 LEDs per metre
- Up to 1350 Lumens per metre
- >90 CRI
- <2 SDCM
- 7 Year Warranty

### Electrical Data

| Voltage | Max. Current | Typ. Current | Current 5M | Max. Power | Typ. Wattage | Power 5M |
|---------|--------------|--------------|------------|------------|--------------|----------|
| 24V     | 0.44A/m      | 0.4A/m       | 2.0A       | 10.6W/m    | 9.6W/m       | 48.0W    |

### Photometric Data

| Colour Temperature | CCT/Wavelength | Lumens/m | LED Chip   | LEDs/m      | LEDs/unit  |
|--------------------|----------------|----------|------------|-------------|------------|
| Very Warm White    | 2700K          | 1285lm   | 2835       | 120 LEDs    | 1 LEDs     |
| Warm White         | 3000K          | 1335lm   | Cut Points | CRI         | Beam Angle |
| Neutral White      | 4000K          | 1350lm   | 16.66mm    | >90         | 120°       |
| Cool White         | 6000K          | 1275lm   | SDCM       | Dimmable    | IC Type    |
|                    |                |          | <2         | Yes         |            |
|                    |                |          | Pixels/m   | Pixels/unit | PWM Rate   |
|                    |                |          |            |             |            |

### Mechanical Data

| Min. Bend Diameter | Mounting      | Cable Length | Cable End             | Cable Type          | Wire Colours |
|--------------------|---------------|--------------|-----------------------|---------------------|--------------|
| Ø 60mm             | 3M Adhesive   | 500mm        | Tinned Ends           | 20AWG               | RED V+ DC    |
| IP Rating          | PCB Weight    | PCB Colour   | Operating Temperature |                     |              |
| IP20/IP67          | 2oz           | White        | -5°C ~ +40°C          |                     |              |
|                    |               |              |                       |                     |              |
|                    |               |              |                       |                     |              |
|                    |               |              |                       |                     |              |
|                    |               |              |                       |                     |              |
| Lifespan           | Energy Rating | Warranty     | Dimensions            |                     |              |
| 60,000 hrs         | D             | 7 Years      | (IP20) W8 x H1.5mm    | (IP67) W10 x H4.8mm |              |
|                    |               |              |                       |                     |              |
|                    |               |              |                       |                     |              |
|                    |               |              |                       |                     |              |

## Dimensions

|      |  |
|------|--|
| IP20 |  |
| IP67 |  |

## Available SKUs

| SKU              | CCT   | IP Rating | Length |
|------------------|-------|-----------|--------|
| PS24-27K1205M    | 2700K | IP20      | 5M     |
| PS24-3K1205M     | 3000K | IP20      | 5M     |
| PS24-4K1205M     | 4000K | IP20      | 5M     |
| PS24-6K1205M     | 6000K | IP20      | 5M     |
| PS24-27K1205M67  | 2700K | IP67      | 5M     |
| PS24-3K1205M67   | 3000K | IP67      | 5M     |
| PS24-4K1205M67   | 4000K | IP67      | 5M     |
| PS24-6K1205M67   | 6000K | IP67      | 5M     |
| PS24-27K12050M   | 2700K | IP20      | 50M    |
| PS24-3K12050M    | 3000K | IP20      | 50M    |
| PS24-4K12050M    | 4000K | IP20      | 50M    |
| PS24-6K12050M    | 6000K | IP20      | 50M    |
| PS24-27K12050M67 | 2700K | IP67      | 50M    |
| PS24-3K12050M67  | 3000K | IP67      | 50M    |
| PS24-4K12050M67  | 4000K | IP67      | 50M    |
| PS24-6K12050M67  | 6000K | IP67      | 50M    |

**Recommended Profiles Non-Spotting**

| SKU         | Lengths | Install Type           | Colours              | Diffusers               |
|-------------|---------|------------------------|----------------------|-------------------------|
| CHAN-1616   | 2M, 3M  | Surface Mount, Corner  | Silver, Black, White | Opal                    |
| CHAN-3030   | 2M, 3M  | Surface Mount, Corner  | Silver               | Semi-Clear, Opal        |
| 5213        | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear, Opal        |
| 6114        | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear, Opal        |
| 9818        | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear, Opal        |
| CHAN-20168  | 2M, 3M  | Surface Mount          | Silver               | Opal                    |
| CHAN-23145  | 2M, 3M  | Recessed               | Silver               | Semi-Clear, Opal, Black |
| CHAN-171145 | 2M, 3M  | Surface Mount          | Silver, Black, White | Semi-Clear, Opal, Black |
| CORPROIP65  | 2M, 3M  | Surface Mount          | Silver               | Semi-Clear              |
| 3030CIRC    | 2M, 3M  | Suspend                | Silver               | Opal                    |
| 3535R3      | 2M, 3M  | Surface Mount, Suspend | Silver, Black        | Semi-Clear, Opal        |
| CHAN-2320   | 2M, 3M  | Recessed               | Silver, Black, White | Opal, Smoked Black      |
| CHAN-2321   | 2M, 3M  | Plaster-In             | Silver               | Opal, Smoked Black      |
| CHAN-2325   | 2M, 3M  | Surface Mount, Suspend | Silver, Black, White | Opal, Smoked Black      |
| 2030SCD     | 2M, 3M  | Surface Mount          | Silver               | Semi-Clear              |
| 2621SC      | 2M, 3M  | Walkover               | Silver               | Semi-Clear              |
| 2016        | 2M, 3M  | Surface Mount          | Silver               | Semi-Clear, Opal        |
| 4714SCD     | 2M      | Plaster-In             | Silver               | Opal                    |
| 2023SCD     | 2M, 3M  | Surface Mount          | Silver               | Semi-Clear, Opal        |

**Recommended Accessories/Products**

| Type       | IP Rating | SKU                 | Colour/Material | Note         |
|------------|-----------|---------------------|-----------------|--------------|
| Cable      | IP20      | TC2C.5              | Black, White    | 2 Core Cable |
| Controller | IP20      | USCZONE SP-V2       | White           | RF Receiver  |
| Controller | IP20      | PSCONN-5IN1WIFIRCVR | White           | App Control  |

**Recommended Drivers**

| Type       | IP Rating | SKU               | Dimmable | Brand |
|------------|-----------|-------------------|----------|-------|
| LED Driver | IP20      | TAGTRIAC24V50W-V2 | Yes      | Tagra |
| LED Driver | IP20      | TAG24V60WB        | No       | Tagra |
| LED Driver | IP67      | TAGTHIN24V60WIP67 | No       | Tagra |