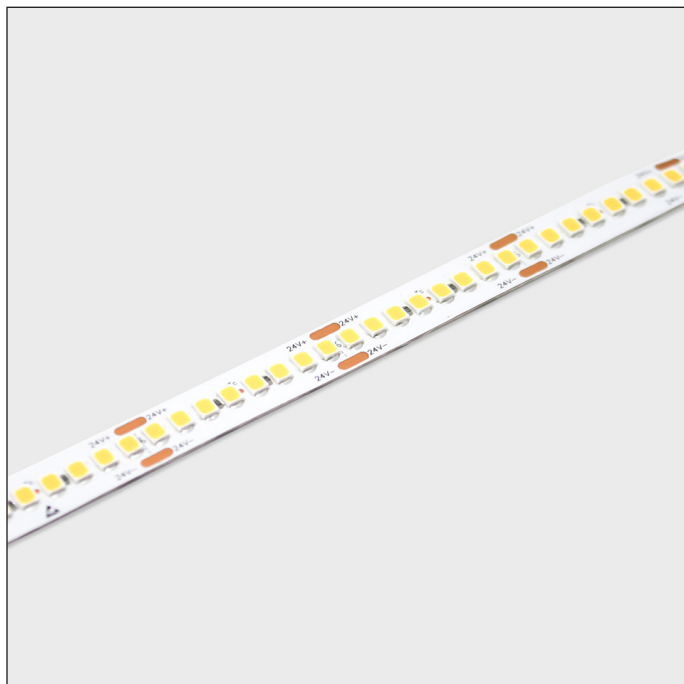


## Professional Super Bright Series LED Strip Light

24V - 240 LEDs per metre - IP20/IP65

tagra®

SKU: PB24-240



24V

240  
LEDs/m

22.0  
Watts/m

33.33  
(mm)  
Cut Point

5YR  
Warranty

### Key Features

- Available in 2700K, 3000K, 4000K, 6000K
- 33.33mm Cut Points
- 240 LEDs per metre
- Up to 3000 Lumens per metre
- >80 CRI
- <2 SDCM
- IP65 Nano Technology
- 5 Year Warranty

### Electrical Data

| Voltage | Max. Current | Typ. Current | Current 5M | Max. Power | Typ. Wattage | Power 5M |
|---------|--------------|--------------|------------|------------|--------------|----------|
| 24V     | 0.92A/m      | 0.83A/m      | 3.5A       | 22.0W/m    | 20.0W/m      | 84.0W    |

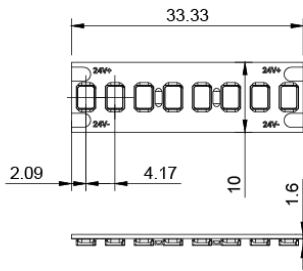
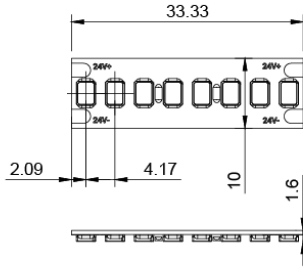
### Photometric Data

| Colour Temperature | CCT/Wavelength | Lumens/m | LED Chip   | LEDs/m      | LEDs/unit  |
|--------------------|----------------|----------|------------|-------------|------------|
| Very Warm White    | 2700K          | 2735lm   | 2835       | 240 LEDS    | 8 LEDS     |
| Warm White         | 3000K          | 2880lm   | Cut Points | CRI         | Beam Angle |
| Neutral White      | 4000K          | 3000lm   | 33.33mm    | >80         | 120°       |
| Cool White         | 6000K          | 2880lm   | 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/IP65          | 3oz           | White        | -25°C ~ +40°C         |                     |                  |
|                    |               |              |                       |                     | BLACK Ground GND |
|                    |               |              |                       |                     |                  |
|                    |               |              |                       |                     |                  |
|                    |               |              |                       |                     |                  |
|                    |               |              |                       |                     |                  |
| Lifespan           | Energy Rating | Warranty     | Dimensions            |                     |                  |
| 60,000 hrs         | D             | 5 Years      | (IP20) W10 x H1.6mm   | (IP65) W10 x H1.6mm |                  |

## Dimensions

|             |                                                                                   |
|-------------|-----------------------------------------------------------------------------------|
| IP20        |  |
| IP65 (Nano) |  |

## Available SKUs

| SKU                   | CCT   | IP Rating | Length |
|-----------------------|-------|-----------|--------|
| PB24-27K-240-5M-80    | 2700K | IP20      | 5M     |
| PB24-27K-240-50M-80   | 2700K | IP20      | 50M    |
| PB24-3K-240-5M-80     | 3000K | IP20      | 5M     |
| PB24-4K-240-5M-80     | 4000K | IP20      | 5M     |
| PB24-6K-240-5M-80     | 6000K | IP20      | 5M     |
| PB24-27K-240-5M-80-IP | 2700K | IP65      | 5M     |
| PB24-3K-240-5M-80-IP  | 3000K | IP65      | 5M     |
| PB24-4K-240-5M-80-IP  | 4000K | IP65      | 5M     |
| PB24-6K-240-5M-80-IP  | 6000K | IP65      | 5M     |

### Recommended Profiles Non-Spotting

| SKU         | Lengths | Install Type           | Colours              | Diffusers               |
|-------------|---------|------------------------|----------------------|-------------------------|
| 2193        | 2M, 3M  | Recessed               | Silver, Black, White | Semi-Clear, Opal, Black |
| 113113      | 2M, 3M  | Surface Mount, Corner  | Silver, Black, White | Semi-Clear, Opal        |
| CHAN-178    | 2M, 3M  | Surface Mount          | Silver, Black, White | Semi-Clear, Opal, Black |
| 188IP65     | 2M, 3M  | Surface Mount          | Silver               | Semi-Clear              |
| CHAN-1616   | 2M, 3M  | Surface Mount, Corner  | Silver, Black, White | Semi-Clear, Opal, Black |
| CHAN-3030   | 2M, 3M  | Surface Mount, Corner  | 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               | Semi-Clear, Opal        |
| CHAN-23145  | 2M, 3M  | Recessed               | Silver               | Semi-Clear, Opal        |
| CHAN-171145 | 2M, 3M  | Surface Mount          | Silver, Black, White | Semi-Clear, Opal        |
| 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        |
| 4822SCD     | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear              |
| 4425SCD     | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear              |
| 8570SCD     | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear              |
| 3613SC      | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear              |
| 1896SCD     | 2M, 3M  | Plaster-In             | Silver               | Semi-Clear              |

**Recommended Accessories/Products**

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

**Recommended Drivers**

| Type       | IP Rating | SKU             | Dimmable | Brand |
|------------|-----------|-----------------|----------|-------|
| LED Driver | IP20      | TAG24V100W-S    | No       | Tagra |
| LED Driver | IP20      | TAGTRIAC24V100W | Yes      | Tagra |
| LED Driver | IP67      | TAG24V100WIP67  | No       | Tagra |