

Tagra | Precision LED Strip Light | 240 LEDs/m | 24V | IP67 |  
20W/m | RGB+3000K | 30M

**PP24-RGB3K24030M67 / ITM002976**



Tagra | Precision LED Strip Light | 240 LEDs/m | 24V | IP67 | 20W/m | RGB+3000K | 30M



Cut Points  
✂  
83.33mm

IP Rating  
💧  
IP67

LEDs  
📺  
240/m

Voltage In  
⚡  
24V

Warranty  
🛡️  
7 Years

SKU: PP24-RGB3K24030M67  
ITM: ITM002976

- Key Features:
- **Light Colour:** 3000K
  - **Product Length:** 30m
  - **Lm/W (Up To):** 57Lm/W
  - **Lm/m (Up To):** 1142.27Lm/m
  - **Dimensions (W x H):** 13 x 12mm

| Mechanical Data             |             |                      |                   |
|-----------------------------|-------------|----------------------|-------------------|
| Bend Direction:             | Vertical    | Body Colour:         | White             |
| Cable Both Ends:            | Yes         | Cable Length:        | 500mm             |
| Cable Sheath Material:      | Silicone    | Cable Gauge:         | 20AWG             |
| LED Chip Brand:             | JC_chips    | LED Chip Type:       | CSP chips         |
| Connector Type:             | None        | Copper Foil Weight:  | 3oz               |
| Cut Points:                 | 83.33mm     | LED Pitch:           | 2.98mm            |
| LEDs Per Unit:              | 0.297619048 | LEDs Per Metre:      | 240               |
| LEDs Total:                 | 3360        | Min. Bend Radius:    | 80mm              |
| PCB Type:                   | Flexible    | Pixels Per Metre:    | 12                |
| Product Weight:             | 2460g       | Self Adhesive Brand: | 3M                |
| Self Adhesive Model Number: | 5604VHB     | Dimensions (LxWxH):  | 30000 x 13 x 12mm |

| Electrical Data                      |        |                               |       |
|--------------------------------------|--------|-------------------------------|-------|
| Constant Voltage / Constant Current: | CV     | Current Max. Blue @1 Metre:   | 0.21A |
| Current Max. Green @1 Metre:         | 0.21A  | Current Max. Red @1 Metre:    | 0.21A |
| Current Max. White @1 Metre:         | 0.264A | Current Max. Rated:           | 0.66A |
| Current Max. @5 Metre:               | 3.3A   | Current Typ. @Max Run Length: | 4.16A |
| Max. Run Length:                     | 5m     | Wattage Max. @1 Metre:        | 20W   |
| Wattage Typ. @1 Metre:               | 14.5W  | Wattage Typ. @5 Metre:        | 72.5W |
| Wattage Typ. @Max Run Length:        | 72.5W  | Current Max. @1 Metre:        | 0.66A |
| Current Typ. @1 Metre:               | 0.6A   | Current Control Type:         | IC    |

| Input Data |  |
|------------|--|
|------------|--|

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

| Control Data |  |
|--------------|--|
|--------------|--|

|                       |         |                        |        |
|-----------------------|---------|------------------------|--------|
| Control Signal Input: | PWM     | Default PWM Frequency: | 2000Hz |
| Dimmable:             | Yes     | Dimming Type:          | PWM    |
| IC Type:              | UCS7604 |                        |        |

| Photometric Data |  |
|------------------|--|
|------------------|--|

|                           |            |                          |             |
|---------------------------|------------|--------------------------|-------------|
| Wavelength Blue:          | 465 - 470  | Wavelength Green:        | 520 - 525   |
| Wavelength Red:           | 625 - 620  | Lumens Per Metre:        | 1142.27Lm/m |
| CCT:                      | 3000K      | Bin Number:              | 2           |
| Colour Type:              | RGBW       | CRI:                     | 95          |
| SDCM:                     | <3         | Lumen Total:             | 34268.1Lm   |
| Lumens Per Metre (Blue):  | 86.9Lm/m   | Lumens Per Metre (Red):  | 122.51Lm/m  |
| Lumens Per Metre (White): | 486.44Lm/m | Lumens Per Watt (Blue):  | 17.92Lm/W   |
| Lumens Per Watt (Green):  | 99.33Lm/W  | Lumens Per Watt:         | 57Lm/W      |
| Lumens Per Watt (Red):    | 25.26Lm/W  | Lumens Per Watt (White): | 100.29Lm/W  |

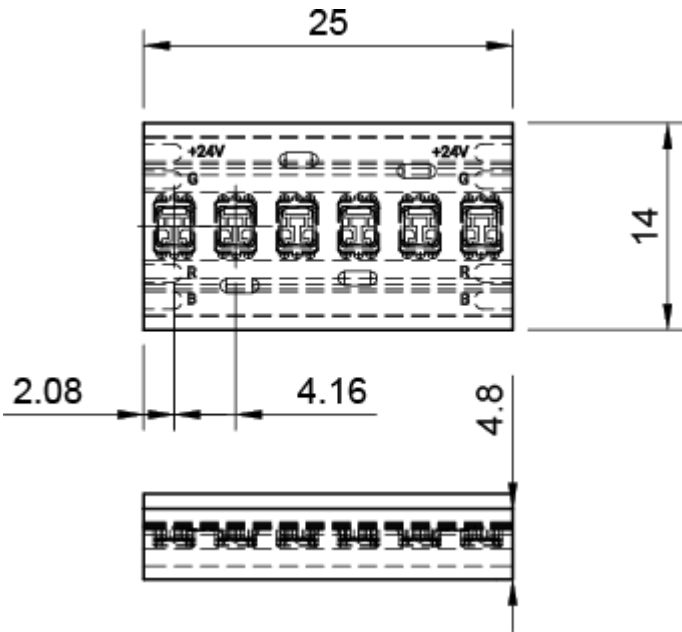
| Photometric Data           |  |         |                     |  |         |
|----------------------------|--|---------|---------------------|--|---------|
| Lumens Per Watt (White 2): |  | 99Lm/W  | Luminous Intensity: |  | 170.3cd |
| Peak Luminous Intensity:   |  | 170.3cd | R9 Value:           |  | 93      |

| Environmental Data       |  |                 |                           |  |                      |
|--------------------------|--|-----------------|---------------------------|--|----------------------|
| Application Environment: |  | Indoor, Outdoor | Body Material:            |  | Silicone             |
| Ingress Protection (IP): |  | IP67            | Interior or Exterior Use: |  | Interior or Exterior |
| Saltwater Resistant:     |  | Yes             | Solvent Resistant:        |  | Yes                  |
| UV Resistant:            |  | Yes             | Operating Temperature:    |  | -20°C - 45°C         |
| Storage Humidity:        |  | 60%             | Storage Temperature:      |  | -20°C - 60°C         |
| Working Humidity:        |  | 100%            |                           |  |                      |

| Protection Data          |     |
|--------------------------|-----|
| Electrical Safety Class: | III |

| Efficiency Data           |      |             |             |
|---------------------------|------|-------------|-------------|
| Lumen Maintenance Factor: | 0.96 | Rated Life: | 60000 Hours |
| Survival Factor:          | 0.9  |             |             |

Dimension Drawing



Packaging Data

|                    |       |                   |       |
|--------------------|-------|-------------------|-------|
| End Caps Included: | Yes   | Packaging Height: | 1mm   |
| Packaging Length:  | 410mm | Packaging Width:  | 390mm |

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## Disclaimer

Tagra Lighting 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. Tagra Lighting reserve the right to update specifications without notice. The information in the datasheet may only be relied on by customers of Tagra Lighting in accordance with applicable terms and conditions.

Tagra Lighting is a trading name of T.R Ventures Limited, a company incorporated in England with registered number 07757720. Our registered office is Unit 2, Southfield Industrial Estate, Trafford Park, M17 1SJ.

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