tagra®

# Tagra | Pro LED Strip Light | Pro COB | Cut Anywhere | 320 LEDs/m | 24V | IP67 | 12.3W/m | 2700K | 50M Reel

**PC24-27KFC50M67 / ITM000081**



Datasheet

# Tagra | Pro LED Strip Light | Pro COB | Cut Anywhere | 320 LEDs/m | 24V | IP67 | 12.3W/m | 2700K | 50M Reel



| Cut Points | IP Rating | LEDs | Voltage In | Warranty |
|---|---|---|---|---|
| Any | IP67 | 320/m | 24V | 7 Years |

**SKU:** PC24-27KFC50M67
**ITM:** ITM000081

### Key Features:

- **Light Colour:** 2700K
- **Product Length:** 50m
- **Lm/W (Up To):** 89Lm/W
- **Lm/m (Up To):** 923Lm/m
- **Dimensions (wh):** 10 x 6 mm

| Mechanical Data | | | |
|---|---|---|---|
| **Product Length:** | 50000mm | **Product Height:** | 6mm |
| **Product Width:** | 10mm | **Bend Direction:** | Horizontal |
| **Body Colour:** | White | **Cable Both Ends:** | Yes |
| **Cable Length:** | 500mm | **Cable Sheath Material:** | Silicone |
| **Cable Weight:** | 20AWG | **LED Chip Brand:** | SanAn |
| **LED Chip Type:** | 2216 | **Copper Foil Weight:** | 2oz |
| **Entry Cable Direction:** | Top | **LED Pitch:** | 3.125mm |
| **LEDs Per Unit:** | 1 | **LEDs Per Metre:** | 320 |
| **LEDs Total:** | 1600 | **PCB Type:** | Flexible |
| **Self Adhesive Brand:** | 3M | **Self Adhesive Model Number:** | 5604A |

| Electrical Data | | | |
|---|---|---|---|
| **Constant Voltage / Constant Current:** | CV | **Current Max Rated:** | 0.51A |

## Electrical Data

| | | | |
|---|---|---|---|
| **Current Max @5 Metre:** | 2.56A | **Current Typ @Max Run Length:** | 56A |
| **Max Run Length:** | 5m | **Wattage Max @1 Metre:** | 12.3W |
| **Wattage Typ @1 Metre:** | 11.2W | **Wattage Typ @5 Metre:** | 56W |
| **Wattage Typ @Max Run Length:** | 56W | **Current Max @1 Metre:** | 0.51A |
| **Current Typ @1 Metre:** | 11.2A | | |

## Input Data

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

## Control Data

| | |
|---|---|
| **Dimming Type:** | PWM |

## Photometric Data

| | | | |
|---|---|---|---|
| **Lumens Per Metre:** | 923Lm/m | **CCT:** | 2700K |
| **Bin Number:** | 1 | **Colour Type:** | Single Colour |
| **CRI:** | 90 | **SDCM:** | <3 |
| **Lumen Total:** | 46150Lm | **Lumens Per Watt:** | 89Lm/W |
| **R9 Value:** | 64 | | |

## Environmental Data

| | | | |
|---|---|---|---|
| **Body Material:** | Silicone | **Ingress Protection (IP):** | IP67 |
| **Interior or Exterior Use:** | Exterior | **UV Resistant:** | Yes |
| **Operating Temperature:** | -25°C - 40°C | **Storage Humidity:** | 60% |
| **Storage Temperature:** | -25°C - 60°C | **Working Humidity:** | 90% |

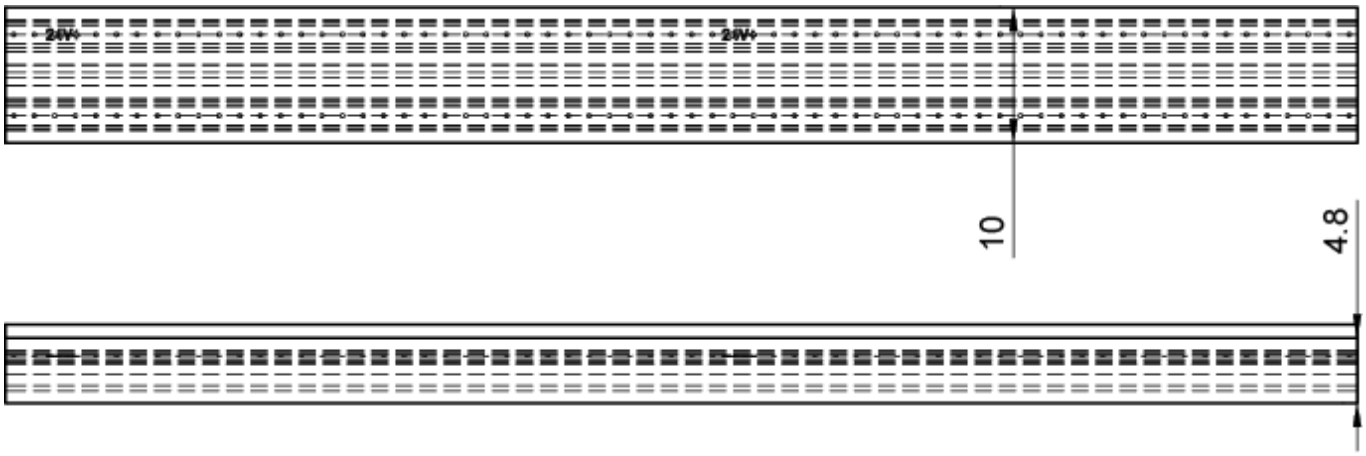
## Protection Data

| | |
|---|---|
| **Electrical Safety Class:** | III |

## Efficiency Data

| | | | |
|---|---|---|---|
| **Energy Efficiency Class:** | III | **Lumen Maintenance Factor:** | 0.9 |
| **Rated Life:** | 50000 Hours | **Survival Factor:** | 0.96 |

## Dimension Drawing




## Packaging Data

| | | | |
|---|---|---|---|
| **Emery Paper Included:** | No | **End Caps Included:** | No |
| **Kit:** | No | **Mounting Brackets Included:** | No |

**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.

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