

CTO-EC24-B27K1M65



Key Features

- Product Width: 10mm
- Lm/m (Up To): 946Lm/m
- Lm/W (Up To): 99Lm/W
- CRI: 90+
- Lightsource SDCM: ≤5
- Run Length (Max): 5m
- Available Colours: 2700K, 3000K, 4000K, 6500K
- Warranty: 2 Years

24V

>90
CRI

HORIZ
BEND

2oz
PCB

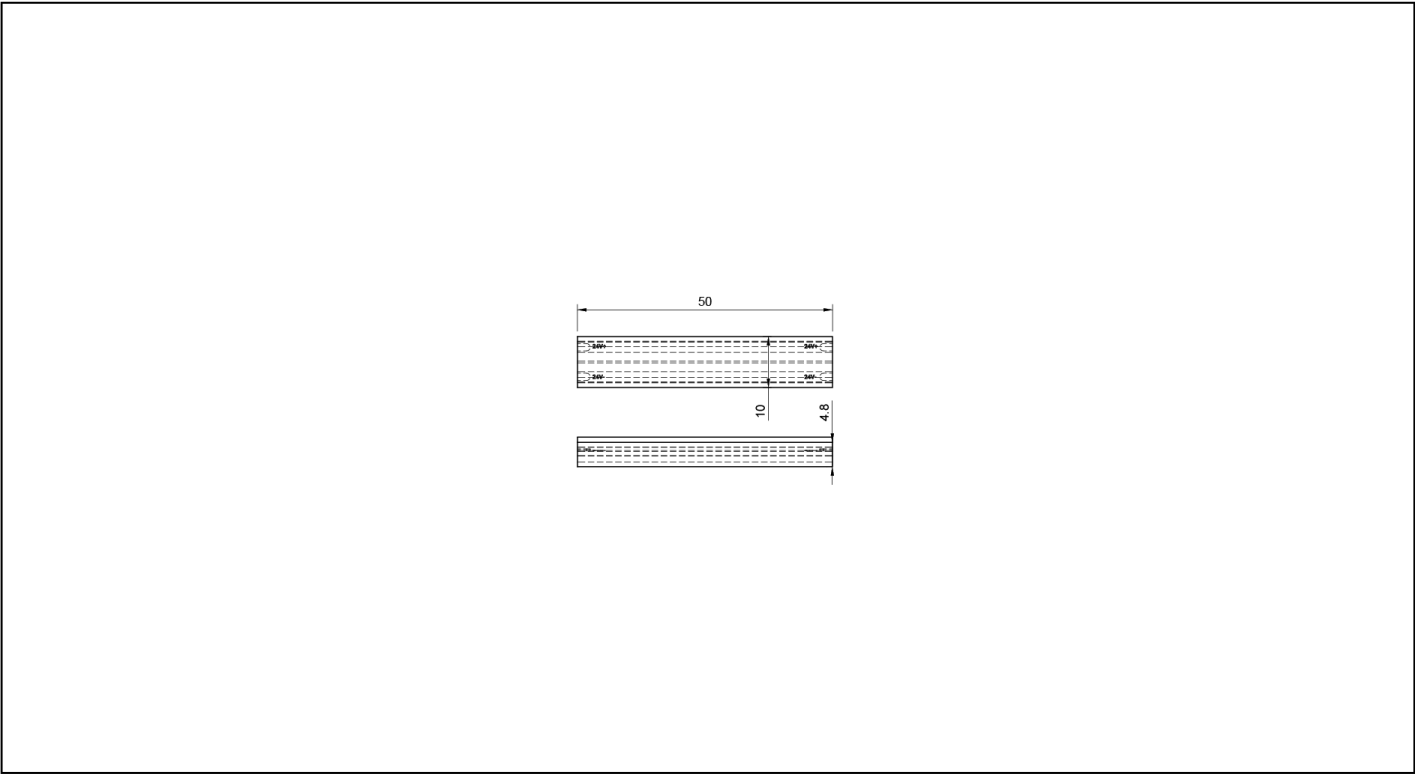
IP65

Mechanical Data

| | |
|-----------------------|------------|
| Body Colour | White |
| Bend Direction | Horizontal |
| Cable Both Ends | No |
| Cable Length | 2 mm |
| Cable Sheath Material | PVC |
| Cable Weight | 20 AWG |
| LED Chip Brand | SAN'AN |
| LED Chip Type | COB |
| Copper Foil Weight | 2 oz |

| | |
|----------------------------|--------------|
| Cut Points | 50 mm |
| LED Module Replaceable | No |
| LED Pitch | 2.083 mm |
| LEDs Per Unit | 24 |
| LEDs Per Metre | 480 |
| LEDs Total | 480 |
| Min · Bend Radius | 30 mm |
| PCB Type | Flexible |
| Self Adhesive Brand | JL |
| Self Adhesive Model Number | 4910F |
| Entry Cable Direction | End |
| Product Dimensions | 1000x10x5 mm |

Dimensions



Input

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

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

Control

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Electrical Data

| | |
|-------------------------------------|--------|
| Constant Voltage / Constant Current | CV |
| Current Max · @5 Metre | 1.925A |
| Current Max · Rated | 0.44 A |
| Wattage Max · @1 Metre | 10.5 W |
| Wattage Typ · @1 Metre | 9.6 W |
| Wattage Typ · @5 Metre | 42 W |
| Wattage Typ · @Max Run Length | 42 W |
| Current Typ · @Max Run Length | 1.75 A |
| Max · Run Length | 5 m |

Protection

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

Photometric Data

| | |
|-------------------------|---------------|
| Colour Type | Single Colour |
| CRI | 90 |
| Luminous Intensity | 200.904 cd |
| Peak Luminous Intensity | 200.904 cd |
| SDCM | < 5 |
| Lumen Total | 818.4 Lm |
| Lumens Per Metre | 818 Lm/m |
| Lumens Per Watt | 85 Lm/W |

| | |
|------------|----------|
| Wavelength | 583.1 nm |
| R9 Value | 47 |
| CCT | 2700 K |

Environment

| | |
|--------------------------|----------|
| Application Environment | Indoor |
| Anti-Yellowing | No |
| Ingress Protection (IP) | IP65 |
| Interior or Exterior Use | Interior |
| Solvent Resistant | No |
| Saltwater Resistant | No |
| UV Resistant | No |

Efficiency

| | |
|--------------------------|-------------|
| Energy Efficiency Class | F |
| L70B50 | 36000 Hours |
| L80B10 | 36000 Hours |
| L90B10 | 24000 Hours |
| LM80 | 10000Hours |
| Lumen Maintenance Factor | 0.9707 |
| Rated Life | 36000 Hours |
| Survival Factor | 0.9 |
| Switch Cycles | 10000 |