

PC24-RGB4K50M



Key Features

- Product Width: 12mm
- Lm/m (up to): 1060Lm/m
- Lm/W (up to): 63Lm/W
- CRI: 90+
- Lightsource SDCM: ≤5
- Run Length (Max): 5m
- Available Colours: 2700K, 3000K, 4000K, 6500K
- Warranty: 7 Years

24V

140°  
BEAM

From  
1 Bin

>90  
CRI

HORIZ  
BEND

2oz  
PCB

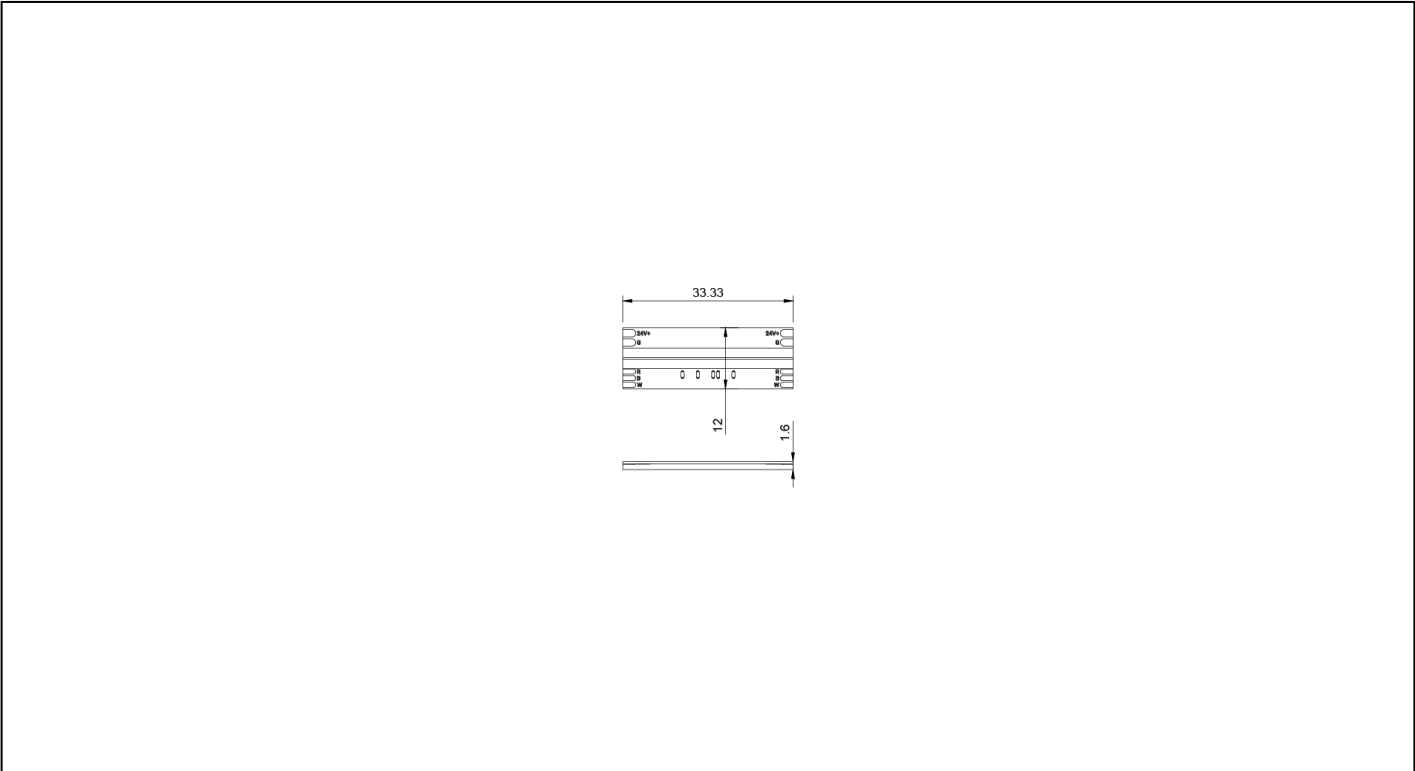
IP20

Mechanical Data

Bend Direction	Horizontal
Cable Length	500 mm
Cable Sheath Material	PVC
Cable Weight	24 AWG
LED Chip Brand	JC_CSP
LED Chip Type	CSP
Copper Foil Weight	2 oz
Cut Points	33.33 mm
LED Pitch	1.19 mm

LEDs Per Unit	28
LEDs Per Metre	840
LEDs Total	4200
Min · Bend Radius	30 mm
PCB Type	Flexible
Product Weight	150 g
Self Adhesive Brand	3M tape
Self Adhesive Model Number	55230H
Body Colour	White
Entry Cable Direction	End
Product Dimensions	50000x12x2 mm

**Dimensions**



**Input**

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

## Control

Default PWM Frequency	50 Hz
-----------------------	-------

## Electrical Data

Constant Voltage / Constant Current	CV
Current Max · @5 Metre	3.08A
Current Max · White @1 Metre	0.25 A
Current Max · Rated	0.77 A
Wattage Max · @1 Metre	18.5 W
Wattage Typ · @1 Metre	16.8 W
Wattage Typ · @5 Metre	73.5 W
Wattage Typ · @Max Run Length	73.5 W
Current Typ · @Max Run Length	2.8 A
Current Max · Blue @1 Metre	0.17 A
Current Max · Green @1 Metre	0.18 A
Current Max · Red @1 Metre	0.15 A
Max · Run Length	5 m

## Protection

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

## Photometric Data

Beam Angle	140 °
Bin Number	1
Colour Type	RGBW
CRI	90
Luminous Intensity	275 cd

Lumen Total	4950 Lm
Lumens Per Metre (White)	475 Lm/m
Lumens Per Watt (Blue)	19 Lm/W
Lumens Per Watt (Green)	87 Lm/W
Lumens Per Watt (Red)	29 Lm/W
Lumens Per Watt (White)	77 Lm/W
Peak Luminous Intensity	275 cd
SDCM	< 5
Lumens Per Metre	1060 Lm/m
Lumens Per Metre (Blue)	85 Lm/m
Lumens Per Metre (Red)	110 Lm/m
Lumens Per Watt	63 Lm/W
Wavelength	473.7 nm
CCT	4000 K
Wavelength Blue	452 - 460 nm
Wavelength Green	515 - 517.5 nm
Wavelength Red	620 - 630 nm
<b>Environment</b>	
Ingress Protection (IP)	IP20
Interior or Exterior Use	Interior
<b>Efficiency</b>	
Energy Efficiency Class	G
Rated Life	60000 Hours
Switch Cycles	10000

0161 507 9249 | [support@ultraleds.co.uk](mailto:support@ultraleds.co.uk) | [www.ultraleds.co.uk](http://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