

PS24-RGB6K6050M



Key Features

- Product Width: 12 mm
- Lm/m (up to): 1113 Lm/m
- Lm/W (up to): 58 Lm/W
- CRI: 90+
- Lightsource SDCM: ≤3
- Run Length (Max): 5 m
- Available Colours: 2700K, 3000K, 4000K, 6000K
- Warranty: 7 Years

24V

PWM

120°
BEAM

From
1 Bin

>90
CRI

HORIZ
BEND

2oz
PCB

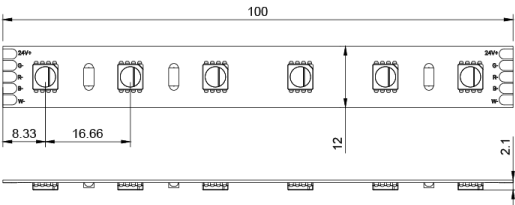
IP20

Mechanical Data

Bend Direction	Horizontal
Cable Length	500 mm
Cable Sheath Material	PVC
Cable Weight	20 AWG
LED Chip Brand	JY
Copper Foil Weight	2 oz
Cut Points	100 mm
LED Pitch	16.667 mm
LEDs Per Unit	6

LEDs Per Metre	60
LEDs Total	300
PCB Type	Flexible
Self Adhesive Brand	3M
Self Adhesive Model Number	300LSE
Body Colour	White
Entry Cable Direction	End
Product Dimensions	50000x12x2 mm

Dimensions



Input

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

Control

Dimming Type	PWM
--------------	-----

Electrical Data

Constant Voltage / Constant Current	CV
Current Max · @5 Metre	4.4A
Current Max · White @1 Metre	0.27 A
Current Max · Rated	0.88 A
Wattage Max · @1 Metre	21.12 W
Wattage Typ · @1 Metre	19.2 W
Wattage Typ · @5 Metre	96 W
Wattage Typ · @Max Run Length	96 W
Current Typ · @Max Run Length	4.4 A
Current Max · Blue @1 Metre	0.2 A
Current Max · Green @1 Metre	0.2 A
Current Max · Red @1 Metre	0.2 A
Max · Run Length	5 m

Protection

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

Photometric Data

Beam Angle	120 °
Bin Number	1
Colour Type	RGBW
CRI	90
Lumen Total	55450 Lm
Lumens Per Metre (White)	427 Lm/m
Lumens Per Watt (Blue)	17 Lm/W

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

Lumens Per Watt (Green)	79 Lm/W
Lumens Per Watt (Red)	37 Lm/W
Lumens Per Watt (White)	88 Lm/W
SDCM	< 3
Lumens Per Metre	1109 Lm/m
Lumens Per Metre (Blue)	80 Lm/m
Lumens Per Metre (Green)	362 Lm/m
Lumens Per Metre (Red)	171 Lm/m
Lumens Per Watt	55 Lm/W
R9 Value	67
CCT	6000 K
Environment	
Ingress Protection (IP)	IP20
Interior or Exterior Use	Interior
Efficiency	
Rated Life	50000 Hours