

TP12-N612RGBHB5MK



12V

IP65

2
YEAR

Key Features

- **Product Dimensions (mm):** L5000xW6xH12
- **Bend Direction:** Horizontal
- **Pixels Per M:** 32
- **IC Type:** SM16703
- **Default PWM Frequency:** 2000Hz
- **Run Length (Max):** 5m
- **Light Colour:** RGB
- **Warranty:** 2 Years

Mechanical Data

Body Colour	White	Bend Direction	Horizontal
Cable Both Ends	Yes	Cable Length	1 mm
Cable Sheath Material	Silicone	Cable Weight	20 AWG
LED Chip Brand	Epistar	LED Chip Type	4040
Connector Type	bare wire	Copper Foil Weight	3 oz
Cut Points	62.5 mm	Entry Cable Direction	Top
LED Pitch	31.25 mm	LEDs Per Unit	3
LEDs Per Metre	96	LEDs Total	480
Min · Bend Radius	80 mm	PCB Type	Flexible
Pixels Per Metre	32	Product Weight	500 g
Product Dimensions	5000x6x12 mm		

Electrical Data

Constant Voltage / Constant Current	CV	Current Max · @5 Metre	6.65A
Current Typ · @Max Run Length	5 A	Current Max · Blue @1 Metre	1.3 A
Current Max · Green @1 Metre	1.3 A	Current Max · Red @1 Metre	1.3 A
Current Max · Rated	1.33 A	Max · Run Length	5 m
Wattage Max · @1 Metre	16 W	Wattage Typ · @1 Metre	12 W
Wattage Typ · @5 Metre	60 W	Wattage Typ · @Max Run Length	78 W

Input Data			
Input Voltage	12 V		

Control Data			
Control Signal Input	Pixel	Default PWM Frequency	2000 Hz
Dimming Type	PWM	IC Type	SM16703
Dimmable	Yes		

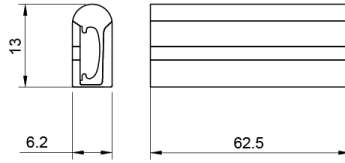
Photometric Data			
Bin Number	2	Colour Type	RGB
Lumen Total	291 Lm	Lumens Per Metre	291 Lm/m
Lumens Per Metre (Blue)	78 Lm/m	Lumens Per Metre (Red)	80 Lm/m
Lumens Per Watt	6 Lm/W	Lumens Per Watt (Blue)	10 Lm/W
Lumens Per Watt (Green)	2.6 Lm/W	Lumens Per Watt (Red)	2.6 Lm/W
Peak Luminous Intensity	104 cd	SDCM	< 5
Wavelength Blue	460 - 465 nm	Wavelength Green	520 - 525 nm
Wavelength Red	620 - 625 nm		

Environment Data			
Body Material	Silicone	Ingress Protection (IP)	IP65
Interior or Exterior Use	Exterior		

Protection Data			
Electrical Safety Class	III		

Efficiency Data			
L70B50	36000 Hours	L80B10	36000 Hours
L90B10	36000 Hours	LM80	36000Hours
Rated Life	50000 Hours		

Dimensions



Disclaimer

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.