LED STRIP SPECIFICATION

5050SMD 96LEDs RGBW 4 IN 1 LED STRIP
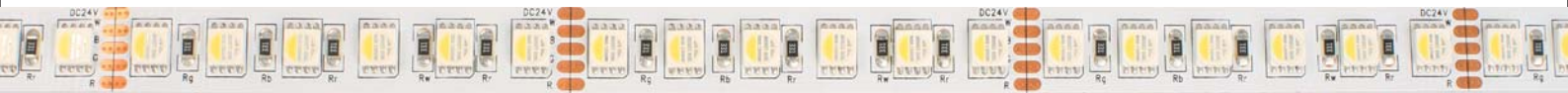
INTERTEK
ETL
CM
C   US
LISTED
5000906

SGS

TÜV Rheinland ®

5050SMD 96LEDs RGBW 4 IN 1 LED STRIP

LEDYi

Part Number: LY96-LS5050 RGBW27 -W24- IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68
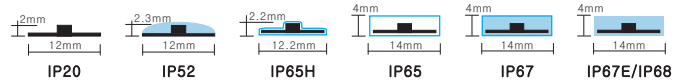
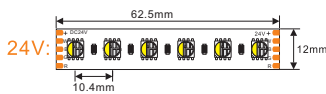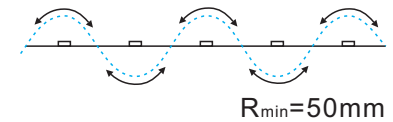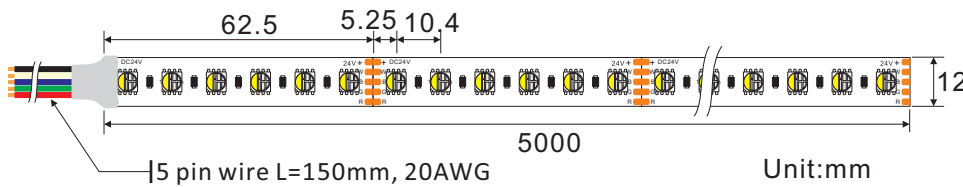→ RGBW27/RGBW30/RGBW40/RGBW60

Description

24V, flexible LED strip (6LED/step =62.5mm) with 3M adhesive tape on the back for easy installed.1760lm/m at 30.6W/m. 120° beam angle.

"One Bin Only" within 3 MacAdam guarantees constant color temperature and high light quality at a lifetime of 54,000 hours (L_{70}).

Double-layer FPC(2Oz) for good heat dissipation.

ETLus CE RoHS 3~5 Y Warranty

Dimensions & Waterproof

62.5   5.25 10.4   12

5000

Unit:mm

5 pin wire L=150mm, 20AWG

R_{min}=50mm

24V: 62.5mm   12mm   10.4mm

IP20	IP52	IP65H	IP65	IP67	IP67E/IP68
2mm / 12mm	2.3mm / 12mm	2.2mm / 12.2mm	4mm / 14mm	4mm / 14mm	4mm / 14mm

Product Specification

Dimension	5000x12x2mm
Chip Type	5050SMD
Chip Density	96LEDs/m
Step LEDs	6LEDs
Step Length	83.4mm

Voltage(V)	DC24V
Current(A/m)	1.275A
Power(W/m)	30.6W(4 colors 100% on)
Beam Angle	120°
Operation Temperature	-20°C~50°C

Product Photometrics- White Diodes only (Data base on IP20)

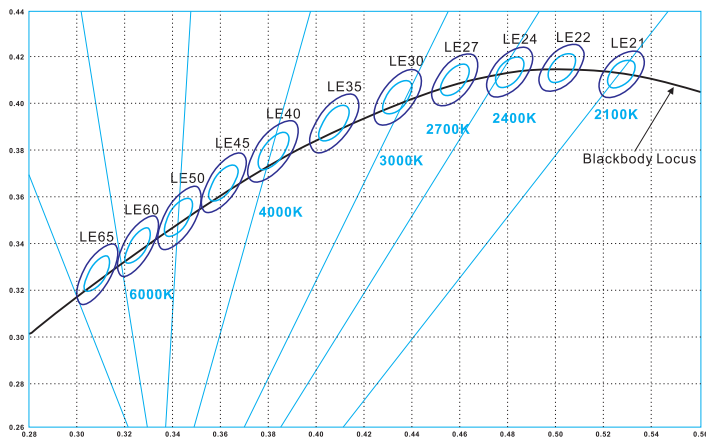| CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
2700±100	770	8.11	95	73	0
3000±100	774	8.15	95	77	6
4000±200	800	7.92	101	79	17
6000±300	840	8.24	102	78	16

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Product Photometrics - Red, Green and Blue Diodes (Data base on IP20)

| Color	Peak Wavelength (nm)	Dominant Wavelength (nm)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)
Red	630	620	200	6.45	31
Green	518	527	620	7.85	79
Blue	465	469	170	7.73	22

Product Photometrics - All Four color at 100% on (Data base on IP20)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
RGB+2700	1650	28.95	57	57	-
RGB+3000	1660	29.12	57	56	-
RGB+4000	1700	28.33	60	63	-
RGB+6000	1760	29.33	60	70	-

Bining

Graphic Description:

LEDYI 3-step MacAdam
5-step MacAdam

For all your order

ONE BIN ONLY
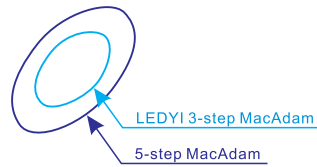
Today and tomorrow

IP20: bare, max. light output and the best color consistency, indoor use.
IP52: Silicone coating, ~5% less output and 3rd best color consistency, indoor use, for damp environments.
IP65: Silicon tube / Heat shrink tube / Extrusion tube / U milky tube + clear cover, ~3% less output and 2nd best color consistency, Indoor use or semi-outdoor use, for raining environments.
IP67: Silicone tube + silicon filling , ~7% less output and 4th best color consistency, outdoor use, max length is 10 meters.
IP67E: Solid silicone extrusion, ~7% less output and 4th best color consistency, outdoor use, max length up to 50 meters.
IP68: PU(Polyurethane),~7% less output and 4th best color consistency, under the water, within 2 meters deep.

Packing Information (Data base on IP20)

| 5meters/reel | 1reel/bag | 60bags/carton | 26x28x68cm, 8.6kgs/carton |