

# **TIGHT**™ **TAPE**

**172W RGB+W 5050 144leds 20mm**



Note: TIGHT may change product specifications and installation guidance without prior notice.

# 5050SMD 144LEDs RGB+W LED STRIP



## Description

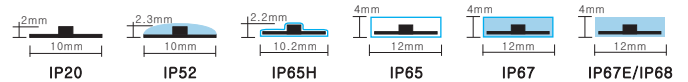
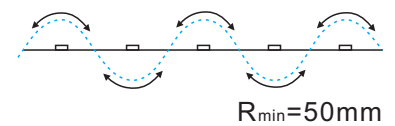
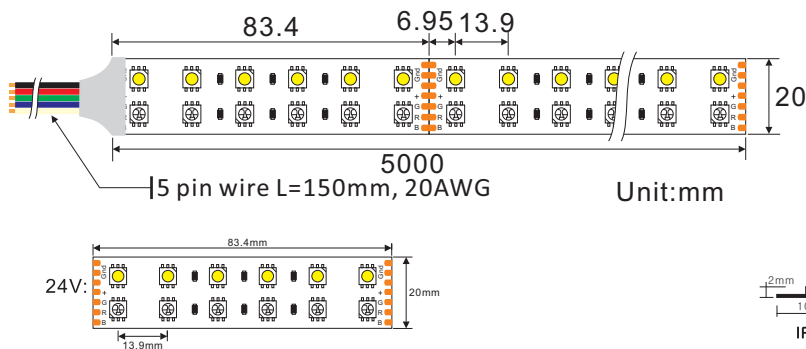
24V, flexible LED strip (12LED/step =83.4mm) with 3M adhesive tape on the back for easy installed.

2040lm/m at 34.4W/m. 120° beam angle. Very good color reproduction with CRI>90. "One Bin Only" within 3 MacAdam guarantees constant color temperature and high light quality at a lifetime of 54,000 hours (L<sub>70</sub>).

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



## Dimensions & Waterproof



## Product Specification

Dimension	5000x20x2mm
Chip Type	5050SMD
Chip Density	144LEDs/m
Step LEDs	12LEDs
Step Length	83.4mm

Voltage(V)	DC24V
Current(A/m)	1.43A
Power(W/m)	34.4W(4 colors 100% on)
Beam Angle	120°
Operation Temperature	-20°C~50°C

## Product Photometrics- White Diodes only (Data base on IP20 CRI>90)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
2100±100	900	16.67	54	95	93
2400±100	1050	16.94	62	96	95
2700±100	1150	16.43	70	95	87
3000±100	1220	16.49	74	95	90
4000±200	1260	15.95	79	94	93
6000±300	1360	16.00	85	93	97

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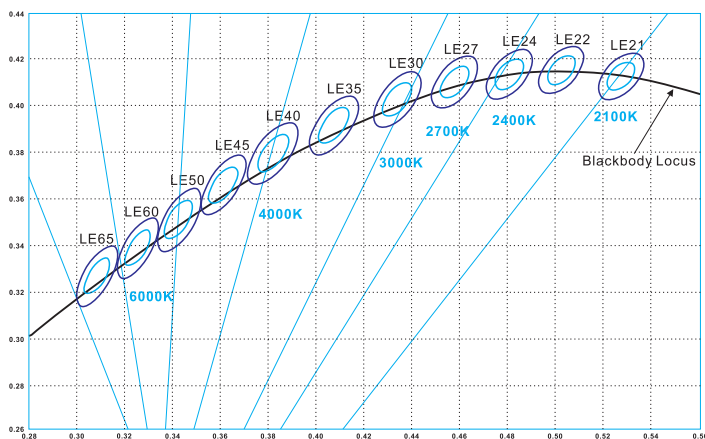
## Product Photometrics - Red, Green and Blue Diodes(Data base on IP20)

Color	Peak Wavelength (nm)	Dominant Wavelength (nm)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)
Red	632	621	140	4.83	29
Green	518	524	500	6.02	83
Blue	462	466	90	5.63	16

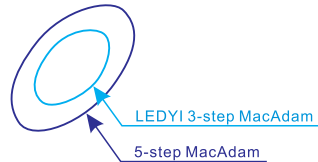
## Product Photometrics - All Four color at 100% on (Data base on IP20 CRI>90)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
RGB+2100	1600	32.65	49	47	-
RGB+2400	1740	33.46	52	54	-
RGB+2700	1850	32.46	57	63	-
RGB+3000	1900	32.76	58	65	-
RGB+4000	1930	32.17	60	70	-
RGB+6000	2040	31.88	64	76	-

## Bining



Graphic Description:



For all your order



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 + 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)

