

PROTECH LED

be creative



LED STRIP SPECIFICATION

AT-RGBW27-1





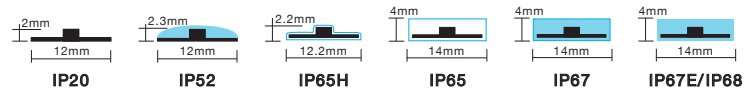
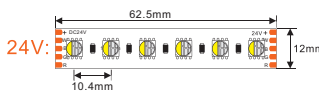
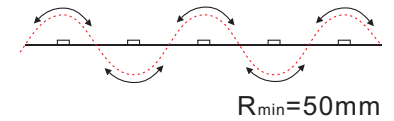
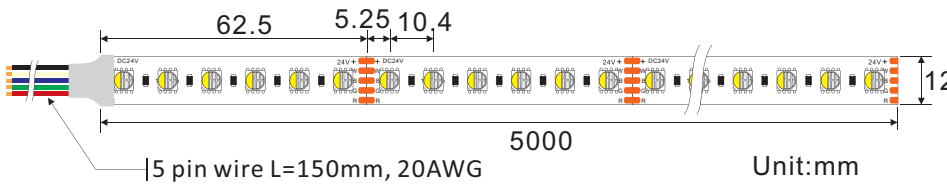
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DESCRIPTION

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 (L70). Double-layer FPC(2Oz) for good heat dissipation.



DIMENSIONS & WATERPROOF



PRODUCT SPECIFICATION

Dimension	5000x12x2mm	Voltage (V)	DC24V
Chip Type	5050SMD	Current (A/m)	1.275A
Chip Density	96LEDs/m	Power (W/m)	30.6W (4 colors 100% on)
Step LEDs	6LEDs	Beam Angle	120°
Step Length	62.5 mm	Operation Temperature	-20°C~50°C

PRODUCT PHOTOMETRICS- WHITE DIODES ONLY

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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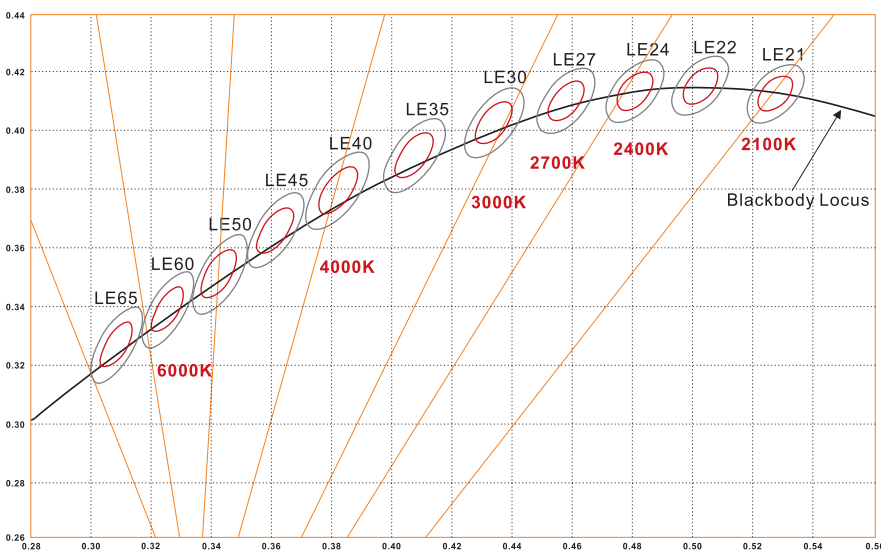
PRODUCT PHOTOMETRICS - RED, GREEN AND BLUE DIODES (DATA BASE ON IP20)

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

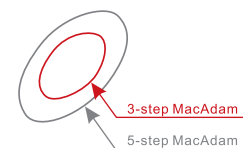
PRODUCT PHOTOMETRICS -ALL FOUR COLOR AT 100% ON (DATA BASE ON IP20)

CCT	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:



- 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.