

PROTECH LED

be creative



LED STRIP SPECIFICATION

AT-RGB-2



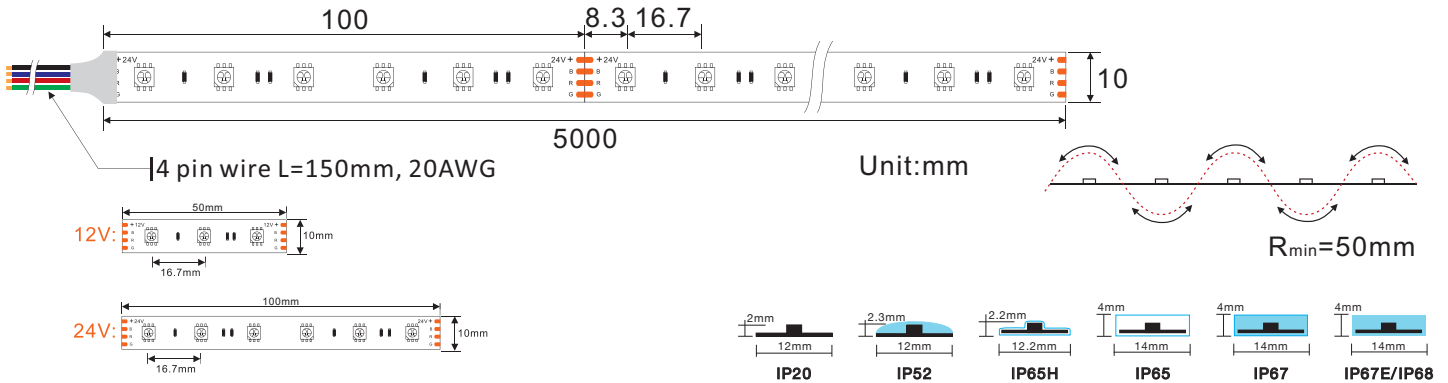
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DESCRIPTION

12V or 24V for option, flexible LED strip (6LED/step = 50mm (12V) /6LED/step =100mm(24V)) with 3M adhesive tape on the back for easy installed. 14.4W/m. 120° beam angle, high light quality at a lifetime of 54,000 hours (L70). Double-layer FPC (2Oz) for good heat dissipation.



DIMENSIONS & WATERPROOF



PRODUCT SPECIFICATION

Dimension	5000x10x2 mm	Voltage (V)	DC12V/DC24V
Chip Type	5050SMD	Current (A/m)	1.2A(12V)/0.6A(24V)
Chip Density	60LEDs/m	Power (W/m)	14.4W(3 colors 100% on)
Step LEDs	3LEDs (12V)/6LEDs(24V)	Beam Angle	120°
Step Length	50 mm (12V)/100mm(24V)	Operation Temperature	-20°C~50°C

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	622	134.15	4.63	28.97
GREEN	517	523	433.40	5.04	85.99
BLUE	462	466	80.49	4.74	16.98

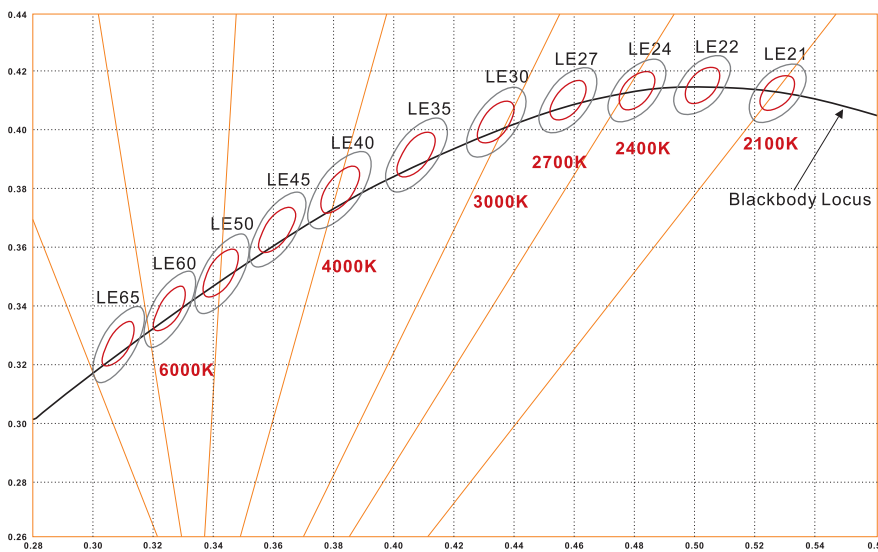


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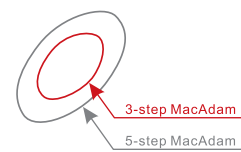
PRODUCT PHOTOMETRICS - ALL RED, GREEN AND BLUE COLOR AT 100% ON (DATA BASE ON IP20)

CCT	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
42300K	620	14.4	43.05	50	-

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.