

# PROTECH LED

be creative



## LED STRIP SPECIFICATION

AT-RGB-SE-1





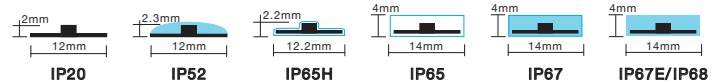
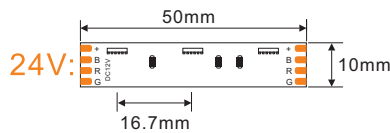
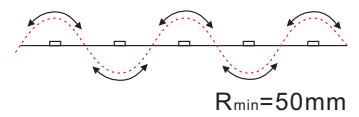
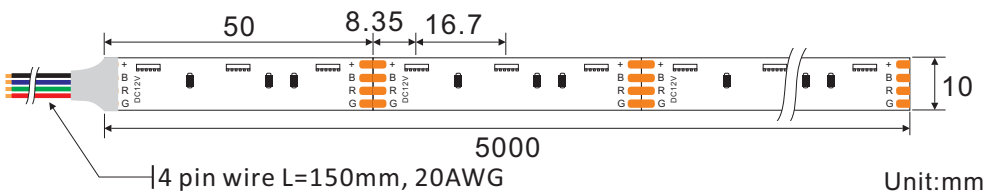
**AT-RGB-SE-1**

**DESCRIPTION**

12V, flexible LED strip (3LED/step=50mm) with 3M adhesive tape on the back for easy installed. 120° beam angle. High light quality at a lifetime of 54,000 hours (L70). Double-layerFPC(2Oz) for good heat dissipation.



**DIMENSIONS & WATERPROOF**



**PRODUCT SPECIFICATION**

Dimension	5000x10x2mm	Voltage (V)	DC12V
Chip Type	020SMD	Current (A/m)	1A
Chip Density	60LEDs/m	Power (W/m)	12W(3 colors 100% on)
Step LEDs	3LEDs	Beam Angle	120°
Step Length	50mm	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	633	623	92.31	4.10	22.54
GREEN	516	521	244.54	4.29	57.06
BLUE	463	468	65.71	4.14	15.86

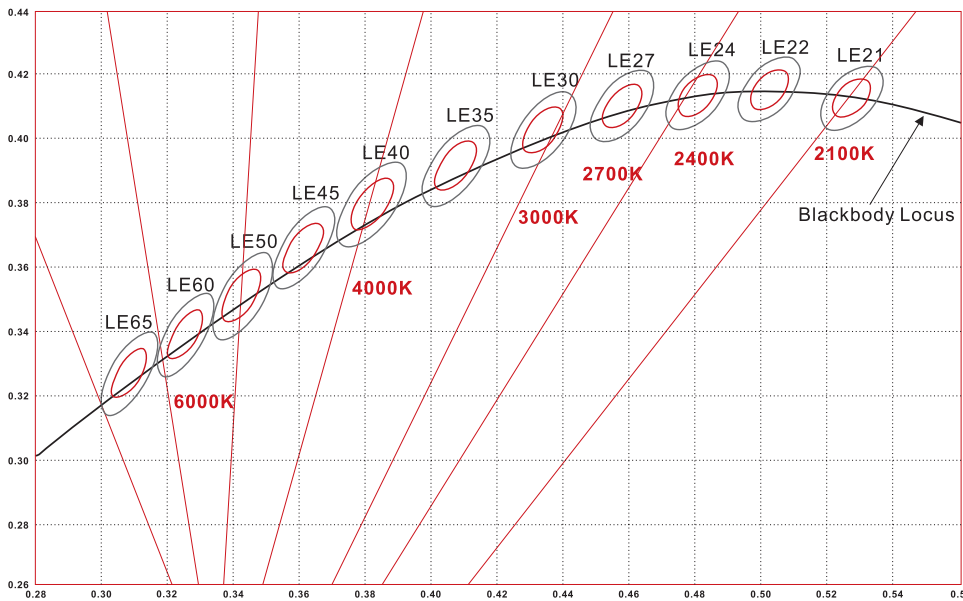


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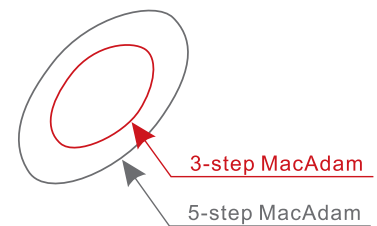
**PRODUCT PHOTOMETRICS - ALL RED, GREEN AND BLUE COLOR AT 100% ON (DATA BASE ON IP20)**

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
100000K	388.44	12	32.37	40.15	-

**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.