

# PROTECH LED

be creative



## LED STRIP SPECIFICATION

AT-W27-3



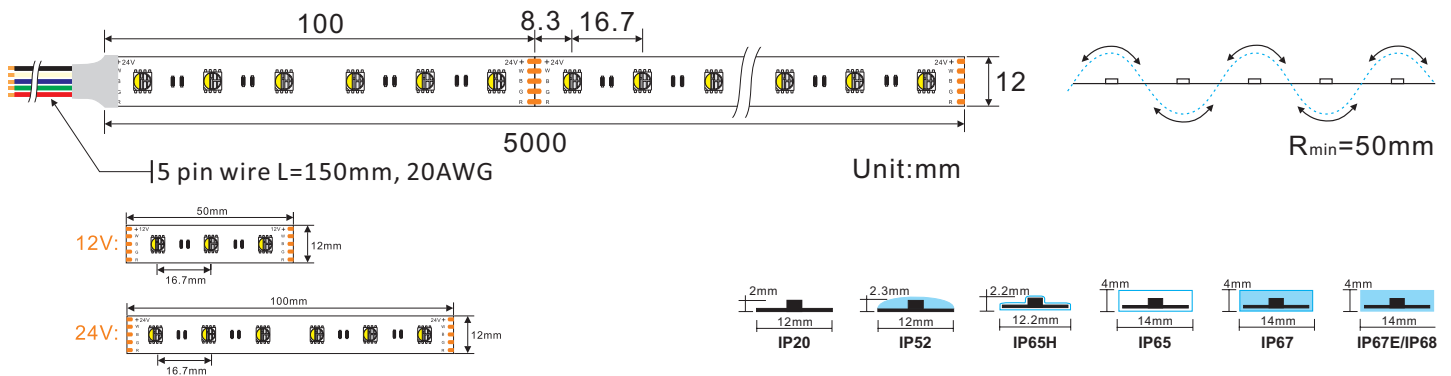
## AT-W27-3

### DESCRIPTION

12V or 24V for option, flexible LED strip (3LED/step = 50mm(12V)/6LED/step = 100mm(24V)) with 3M adhesive tape on the back for easy installed.  
 1067.47lm/m at 14.4W/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	5000x10x2mm	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
Step LEDs	3LEDs(12V)/6LEDs(24V)	Beam Angle	120°
Step Length	50mm(12V)/100mm(24V)	Operation Temperature	-20°C~50°C

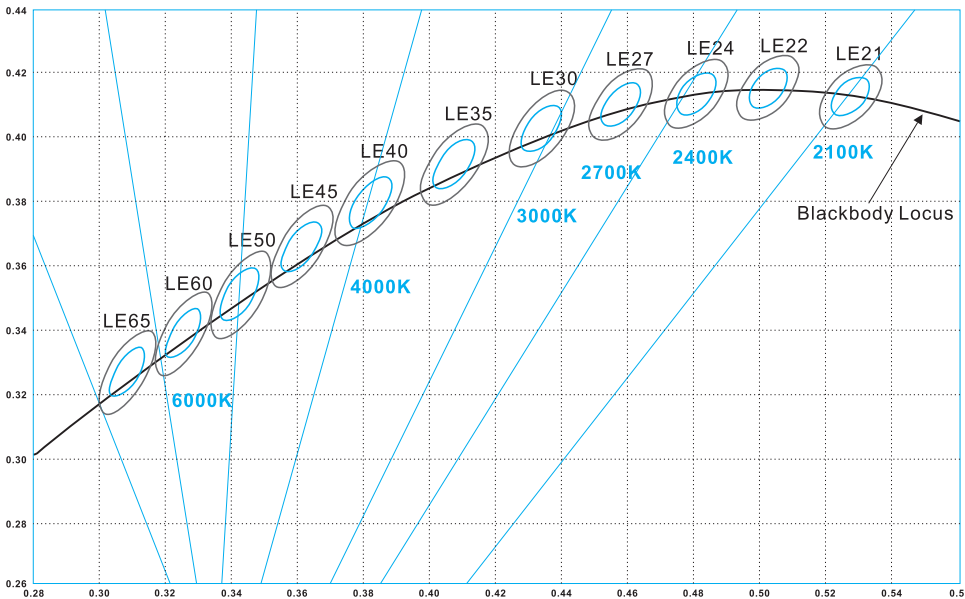
### PRODUCT PHOTOMETRICS (DATA BASE ON IP20 CRI>90)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	TM-30-15	
					Rf (Fidelity)	Rg (Gamut)
2100±100	742.75	51.58	90.2	78.54	90.04	99.7
2400±100	817.49	56.77	91.51	79.04	90.11	99.9
<b>2700±100</b>	<b>866.30</b>	<b>60.16</b>	<b>93.17</b>	<b>82.05</b>	<b>91.35</b>	<b>100.8</b>
3000±100	926.64	64.35	93.80	79.82	90.26	101.5
4000±200	1012.60	70.32	96.75	89.36	92.16	103.8
6000±300	1067.47	74.13	91.28	79.63	90.13	99.91

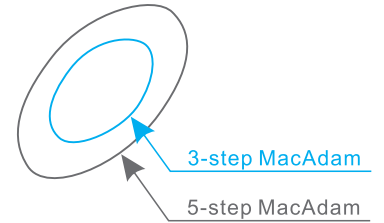


**AT-W27-3**

**BINING**



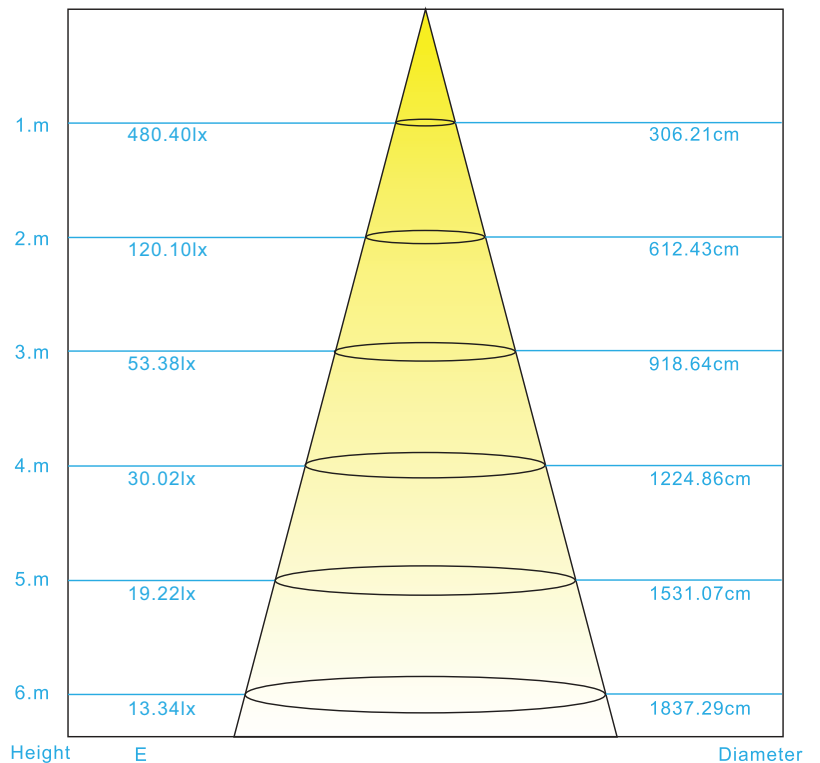
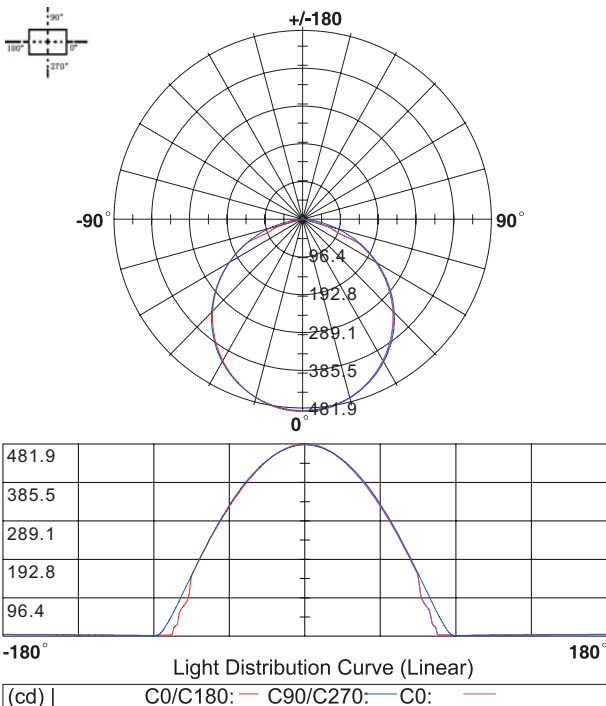
Graphic Description:



- 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 + siliconfilling, ~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.

**LIGHT DISTRIBUTION CURVE**

Luminaire



Beam Angle: 113.30°