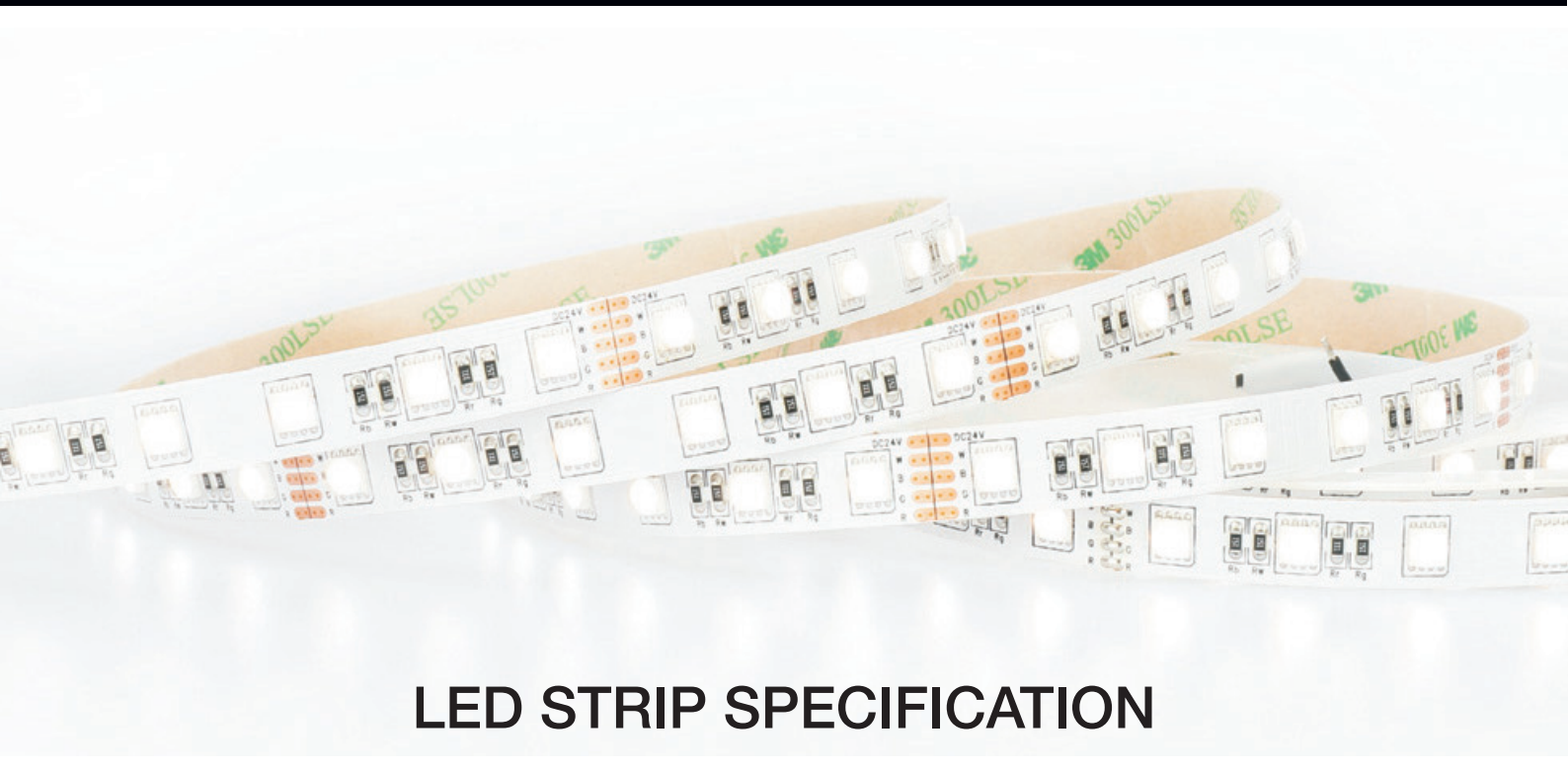


# PROTECH LED

be creative



## LED STRIP SPECIFICATION

AT-RGBW27-2



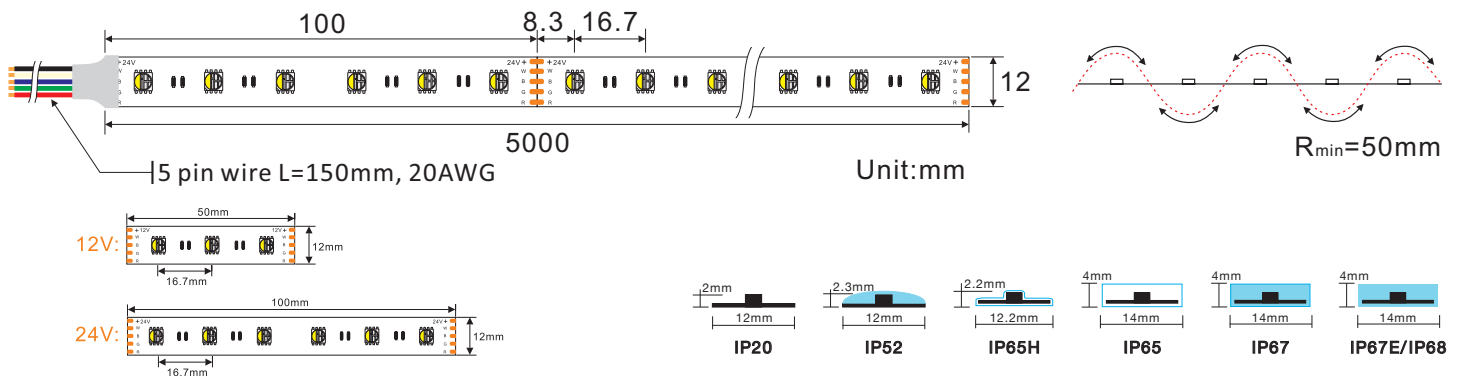
## AT-RGBW27-2

### 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.  
 1226.11lm/m at 19.2W/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 (L<sub>70</sub>).  
 Double-layer FPC(2Oz) for good heat dissipation.



### DIMENSIONS & WATERPROOF



### PRODUCT SPECIFICATION

Dimension	5000x12x2mm	Voltage (V)	DC12V/DC24V
Chip Type	5050SMD	Current (A/m)	1.6A(12V)/0.8A(24V)
Chip Density	60LEDs/m	Power (W/m)	19.2W(4 colors 100% on)
Step LEDs	3LEDs(12V)/6LEDs(24V)	Beam Angle	120°
Step Length	50mm(12V)/100mm(24V)	Operation Temperature	-20°C~50°C

### PRODUCT PHOTOMETRICS- WHITE DIODES ONLY (DATA BASE ON IP20)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
2700±100	489.22	4.8	101.92	73.36	3.65
3000±100	479.33	4.8	99.86	77.62	8.78
4000±200	508.66	4.8	105.97	79.86	17.98
6000±300	517.68	4.8	107.85	78.42	18.63



## AT-RGBW27-2

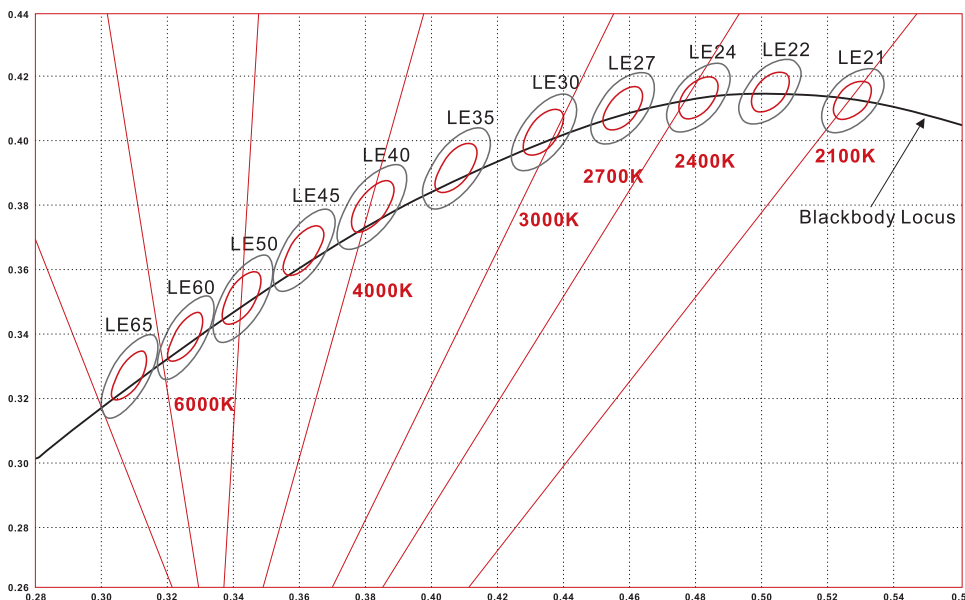
### PRODUCT PHOTOMETRICS - RED, GREEN AND BLUE DIODES (DATA BASE ON IP20)

Color	Peak Wavelength (nm)	Dominant Wavelength (nm)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)
RED	630	620	141.89	4.26	33.33
GREEN	518	527	441.42	5.37	82.21
BLUE	465	469	122.97	4.77	25.76

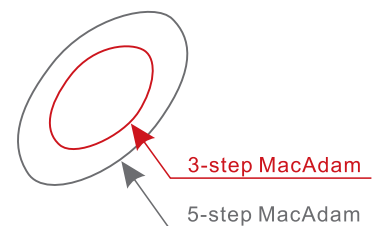
### PRODUCT PHOTOMETRICS - ALL FOUR COLOR AT 100% ON (DATA BASE ON IP20)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
RGB+2700	1113.22	19.2	57.98	55.35	-
RGB+3000	1131.26	19.2	58.92	58.55	-
RGB+4000	1207.49	19.2	62.89	62.78	-
<b>RGB+6000</b>	<b>1226.11</b>	<b>19.2</b>	<b>63.86</b>	<b>70.61</b>	-

### 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.