

PROTECH LED

be creative



LED STRIP SPECIFICATION

AT-RGBW-SE-1





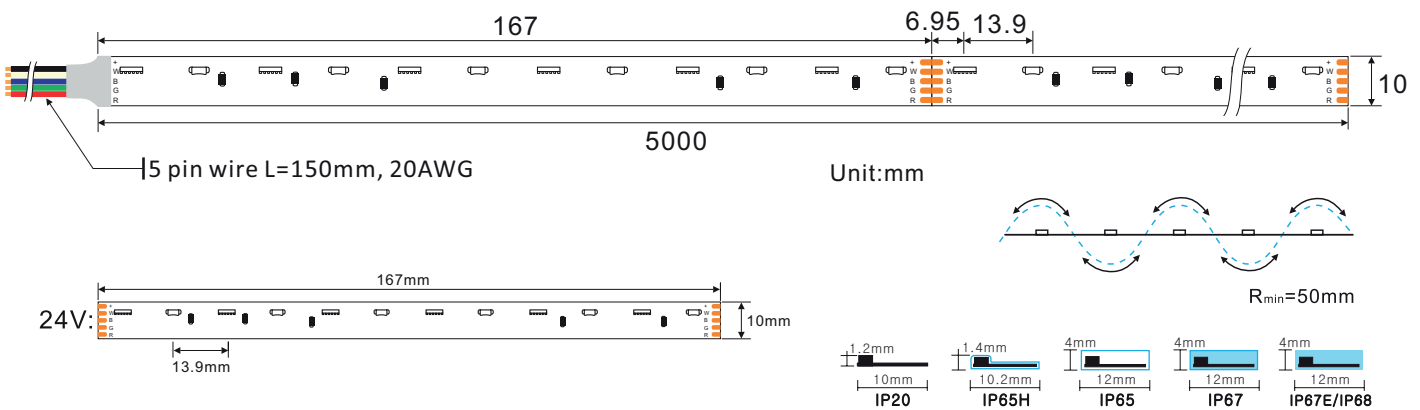
AT-RGBW-SE-1

DESCRIPTION

DC24V, flexible LED strip (12LED/step =167mm) with 3M adhesive tape on the back for easy installed. 445.44lm/m at 9.6W/m. 120° beam angle. Very good color reproduction with CRI>80. "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	5000x10x2mm	Voltage (V)	DC24V
Chip Type	3014SMD+020SMD	Current (A/m)	0.4A
Chip Density	72 LEDs/m	Power (W/m)	9.6 W
Step LEDs	12 LEDs	Beam Angle	120°
Step Length	167 mm	Operation Temperature	-20°C~50°C

PRODUCT PHOTOMETRICS (DATA BASE ON IP20 CRI>90)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
2700±100	202.32	2.4	84.30	76.98	4.87
3000±100	210.60	2.4	87.75	80.37	12.82
4000±200	228.77	2.4	95.32	81.84	21.90
6000±300	231.31	2.4	96.38	81.53	26.86



AT-RGBW-SE-1

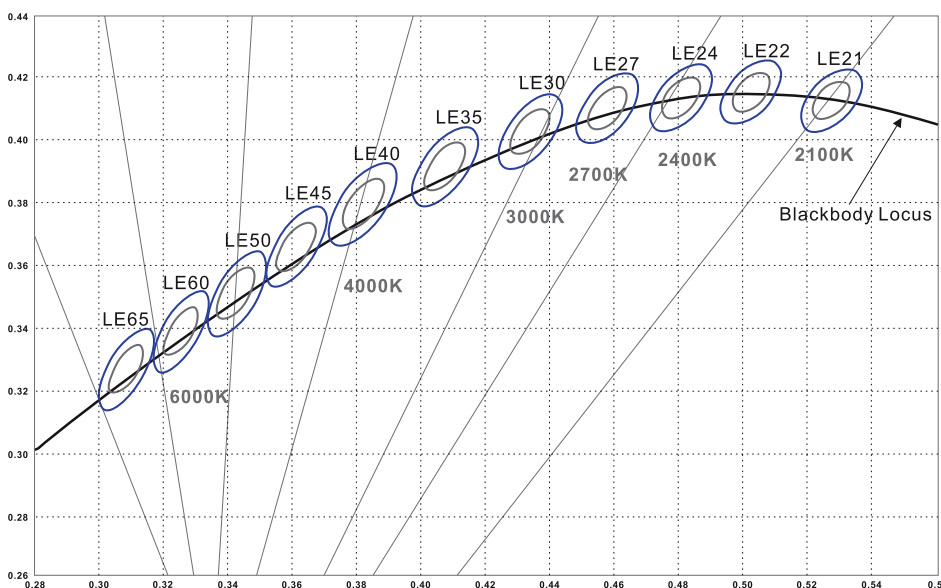
PRODUCT PHOTOMETRICS - RED, GREEN AND BLUE DIODES (DATA BASE ON IP20)

Color	Peak Wavelength (nm)	Dominant Wavelength (nm)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)
Red	632	624	48.24	2.09	23.07
Green	516	521	139.05	2.50	55.62
Blue	462	468	36.21	2.46	14.71

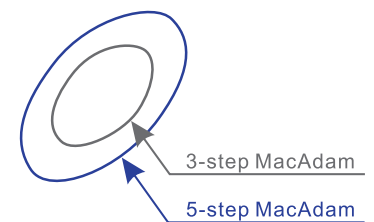
PRODUCT PHOTOMETRICS - ALL FOUR COLOR AT 100% ON (DATA BASE ON IP20)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
RGB+2700	327.58	9.6	44.54	55.54	-
RGB+3000	431.33	9.6	44.93	57.77	-
RGB+4000	439.87	9.6	45.82	65.78	-
RGB+3000	445.44	9.6	46.40	70-81	-

BINING



Graphic Description:



- IP20: bare, max. light output and the best color consistency, indoor use.
- IP65: Silicone 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.