

PROTECH LED

be creative



LED STRIP SPECIFICATION

AT-RGBW24W60-1





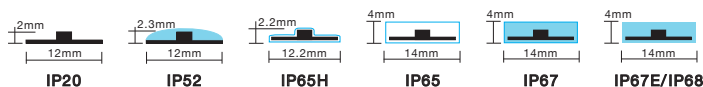
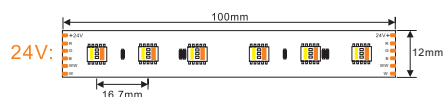
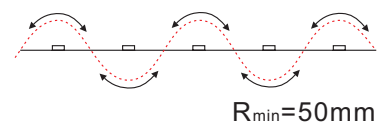
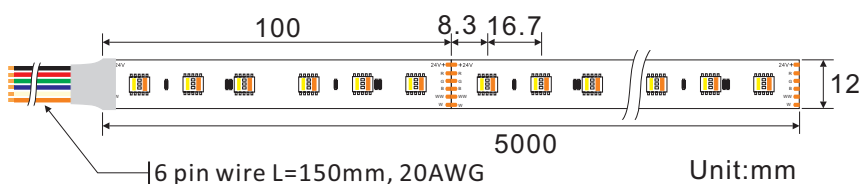
AT-RGBW24W60-1

DESCRIPTION

24V, flexible LED strip (6LED/step =100mm) with 3M adhesive tape on the back for easy installed.1101.2lm/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 (L70). Double-layer FPC(2Oz) for good heat dissipation.



DIMENSIONS & WATERPROOF



PRODUCT SPECIFICATION

Dimension	5000x12x2mm
Chip Type	5050SMD
Chip Density	60 LEDs/m
Step LEDs	6 LEDs
Step Length	100mm

Voltage (V)	DC24V
Current (A/m)	0.8A
Power (W/m)	19.2W(5 colors 100% on)
Beam Angle	120°
Operation Temperature	-20°C~50°C

PRODUCT PHOTOMETRICS (DATA BASE ON IP20 CRI>80)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9	TM-30-15	
						Rf (Fidelity)	Rg (Gamut)
2400 only	311.68	3.725	83.68	83.30	23.94	82.87	94.81
6000 only	390.28	3.732	104.58	84.72	16.82	81.88	94.85
2400+6000 both	709.96	7.457	95.20	83.24	28.95	82.87	96.92



AT-RGBW24W60-1

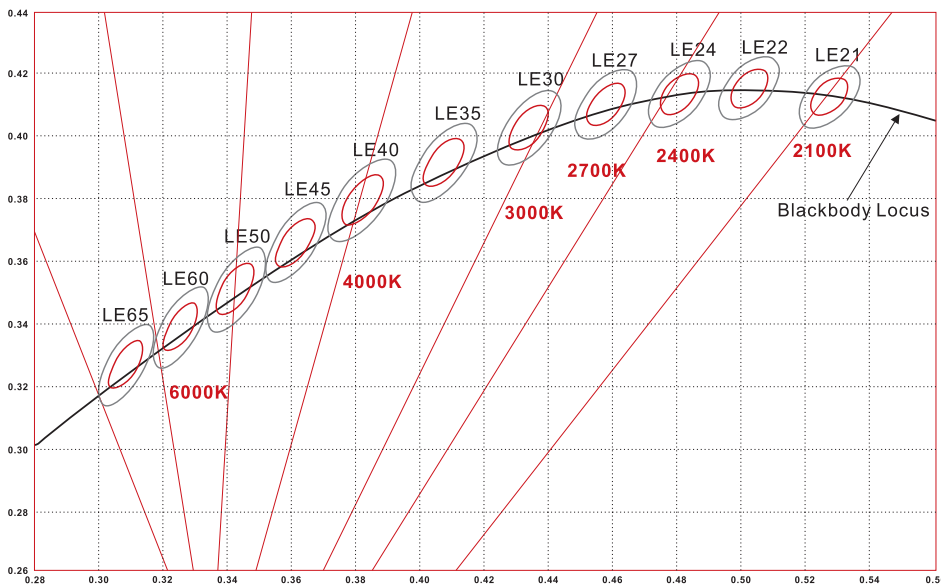
PRODUCT PHOTOMETRICS - RED, GREEN AND BLUE DIODES (DATA BASE ON IP20)

Color	Peak Wavelength (nm)	Dominant Wavelength (nm)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)
RED	632	620.7	108.04	3.324	32.50
GREEN	518	523.6	245.58	3.278	74.91
BLUE	465	468.4	65.749	3.571	18.41

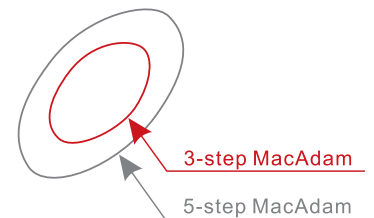
PRODUCT PHOTOMETRICS - ALL FIVE COLOR AT 100% ON (DATA BASE ON IP20 CRI>80)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
RGB+2400+6000	110.2	18.24	60.37	72.1	0

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.