



# ATENDI

| protech led



## LED STRIP SPECIFICATION

AT-RGBWW27-1





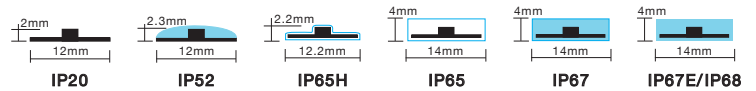
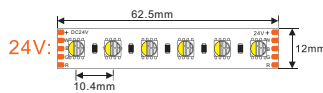
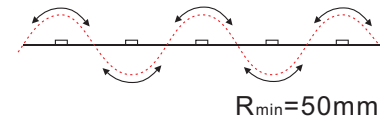
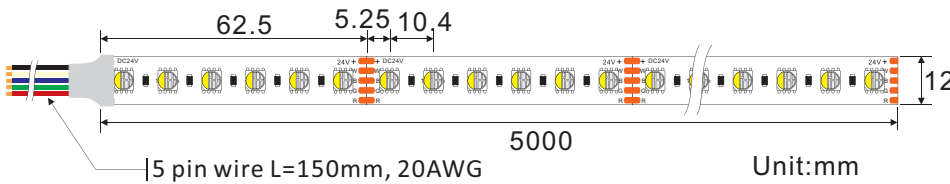
## AT-RGBWW27-1

### DESCRIPTION

24V, flexible LED strip (6LED/step =62.5mm) with 3M adhesive tape on the back for easy installed.1760lm/m at 30.6W/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)           | DC24V                    |
| Chip Type    | 5050SMD     | Current (A/m)         | 1.275A                   |
| Chip Density | 96LEDs/m    | Power (W/m)           | 30.6W (4 colors 100% on) |
| Step LEDs    | 6LEDs       | Beam Angle            | 120°                     |
| Step Length  | 62.5 mm     | Operation Temperature | -20°C~50°C               |

### PRODUCT PHOTOMETRICS- WHITE DIODES ONLY

| CCT (K)  | Lumen (lm/m) | Power (w/m) | Efficacy (lm/w) | CRI | R9 |
|----------|--------------|-------------|-----------------|-----|----|
| 2700±100 | 770          | 8.11        | 95              | 73  | 0  |
| 3000±100 | 774          | 8.15        | 95              | 77  | 6  |
| 4000±200 | 800          | 7.92        | 101             | 79  | 17 |
| 6000±300 | 840          | 8.24        | 102             | 78  | 16 |



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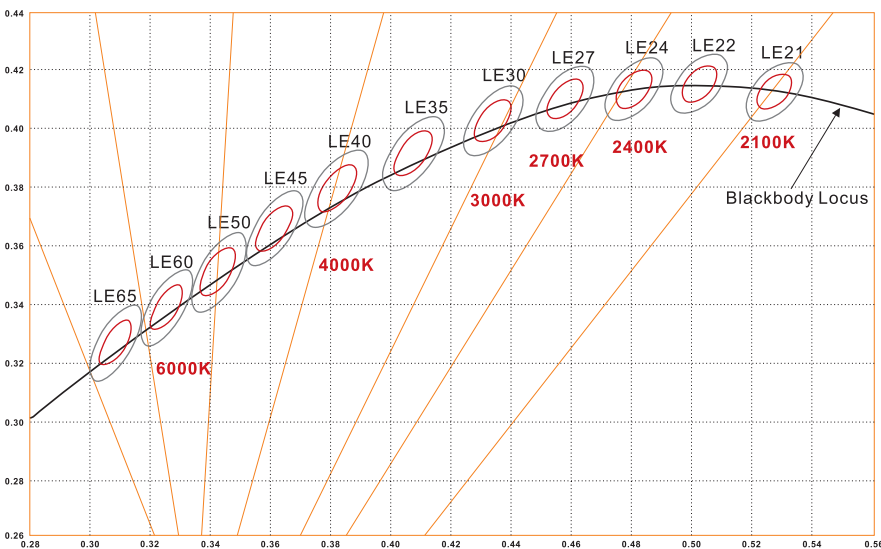
## PRODUCT PHOTOMETRICS - RED, GREEN AND BLUE DIODES (DATA BASE ON IP20)

| Color | Peak Wavelength (nm) | Dominant Wavelength (nm) | Lumen (LM/M) | Power (W/M) | Efficacy (LM/W) |
|-------|----------------------|--------------------------|--------------|-------------|-----------------|
| RED   | 630                  | 620                      | 200          | 6.45        | 31              |
| GREEN | 518                  | 527                      | 620          | 7.85        | 79              |
| BLUE  | 465                  | 469                      | 170          | 7.73        | 22              |

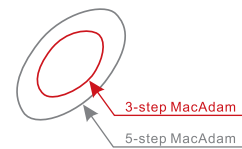
## PRODUCT PHOTOMETRICS -ALL FOUR COLOR AT 100% ON (DATA BASE ON IP20)

| CCT             | Lumen (lm/m) | Power (w/m)  | Efficacy (lm/w) | CRI       | R9 |
|-----------------|--------------|--------------|-----------------|-----------|----|
| <b>RGB+2700</b> | <b>1650</b>  | <b>28.95</b> | <b>57</b>       | <b>57</b> | -  |
| RGB+3000        | 1660         | 29.12        | 57              | 56        | -  |
| RGB+4000        | 1700         | 28.33        | 60              | 63        | -  |
| RGB+6000        | 1760         | 29.33        | 60              | 70        | -  |

## 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.