

# PROTECH LED

be creative



AT-W24W60-1





## AT-W24W60-1

### DESCRIPTION

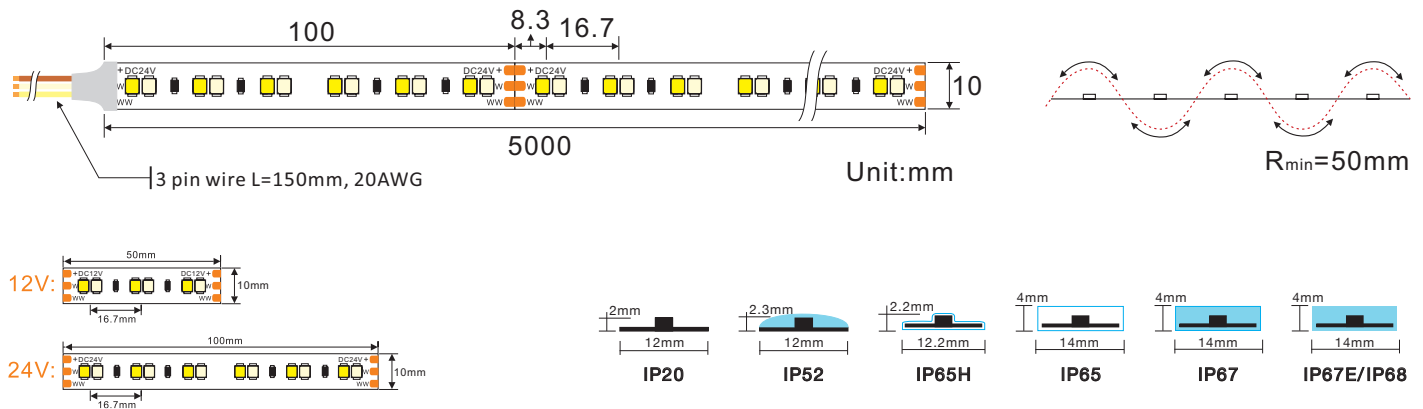
12V or 24V for option, flexible LED strip ( 12LED/step =100mm) with 3M adhesive tape on the back for easy installed.

2293.92lm/m at 24W/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 (L70 ). Double-layer FPC(2Oz) for good heat dissipation.



### DIMENSIONS & WATERPROOF



### PRODUCT SPECIFICATION

|              |                         |                       |                       |
|--------------|-------------------------|-----------------------|-----------------------|
| Dimension    | 5000x10x1.2mm           | Voltage (V)           | DC12V/DC24V           |
| Chip Type    | 2835SMD                 | Current (A/m)         | 2A(12V)/1A(24V)       |
| Chip Density | 120LEDs/m               | Power (W/m)           | 24W(2 colors 100% on) |
| Step LEDs    | 6LEDs(12V)/ 12LEDs(24V) | Beam Angle            | 120°                  |
| Step Length  | 50mm(12V)/100mm(24V)    | Operation Temperature | -20°C~50°C            |

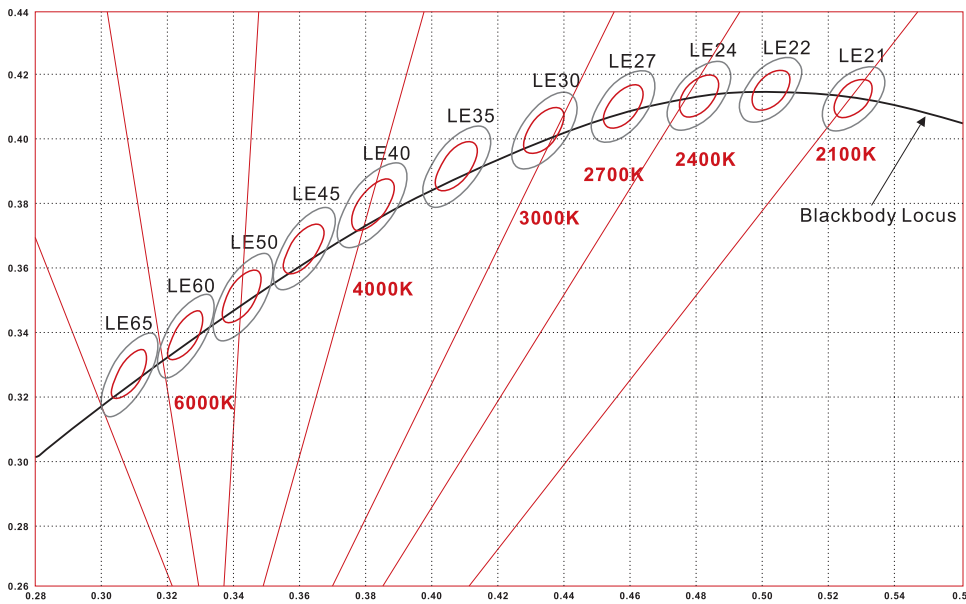
### PRODUCT PHOTOMETRICS (DATA BASE ON IP20 CRI>90)

| CCT (K)        | Lumen (lm/m) | Power (w/m) | Efficacy (lm/w) | CRI   | R9    | TM-30-15      |            |
|----------------|--------------|-------------|-----------------|-------|-------|---------------|------------|
|                |              |             |                 |       |       | Rf (Fidelity) | Rg (Gamut) |
| 2400 only      | 1125.60      | 12          | 93.80           | 91.19 | 75.83 | 92.85         | 100.86     |
| 6000 only      | 1170.96      | 12          | 97.58           | 92.55 | 85.85 | 91.93         | 100.95     |
| 2700+6000 both | 2293.92      | 12          | 95.58           | 93.53 | 93.83 | 91.96         | 101.91     |

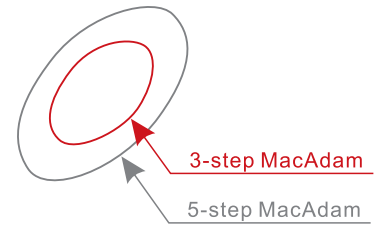


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**BINING**



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.

**LIGHT DISTRIBUTION CURVE (DATA BASE ON 1M IP20 2700K+6000K CRI>90, UNIT:CD)**

