



LED STRIP SPECIFICATION

3838SMD 120LEDs 8mm PCB RGB LED STRIP



Note: LEDYI may change product specifications and installation guidance without prior notice.

3838SMD 120LEDs 8mm PCB RGB LED STRIP



Part Number: LY120-S3838RGB-W24-**IP20** → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68



Description

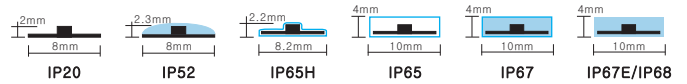
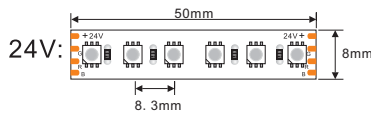
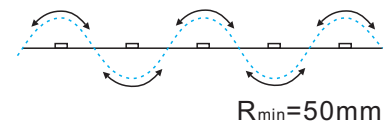
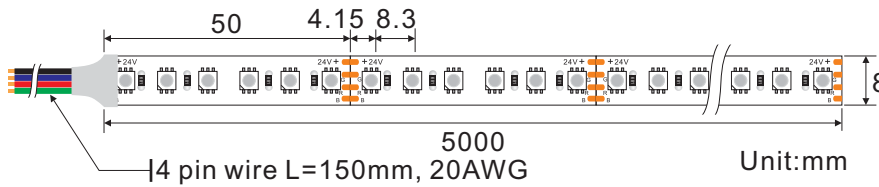
24V for option, flexible LED strip (6LED/step =50mm) with 3M adhesive tape on the back for easy installed.

12W/m. 120° beam angle, high light quality at a lifetime of 54,000 hours (L₇₀).

Double-layer FPC(2Oz) for good heat dissipation.



Dimensions & Waterproof



Product Specification

Dimension	5000x8x2mm
Chip Type	3838SMD
Chip Density	120LEDs/m
Step LEDs	6LEDs
Step Length	50mm

Voltage(V)	DC24V
Current(A/m)	0.5A
Power(W/m)	12W(3 colors 100% on)
Beam Angle	120°
Operation Temperature	-20°C~50°C

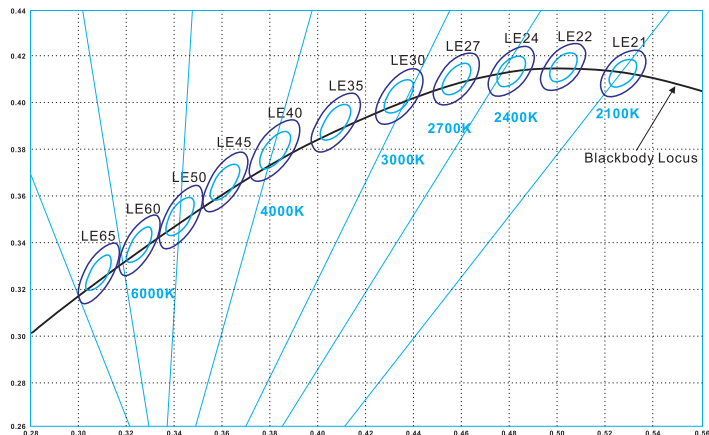
Product Photometrics - Red, Green and Blue Diodes (Data base on IP20)

Color	Peak Wavelength (nm)	Dominant Wavelength (nm)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)
Red	631.2	621.6	93.72	3.58	26.18
Green	517.1	524.0	349.12	4.37	79.89
Blue	462.8	467.6	75.94	4.05	18.75

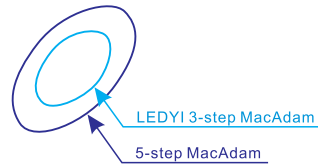
Product Photometrics - All Red, Green and Blue color at 100% on (Data base on IP20)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
100000K	500.64	12	41.72	67.7	-

Bining



Graphic Description:



For all your order

Today and tomorrow

- 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.

Packing Information (Data base on IP20)

