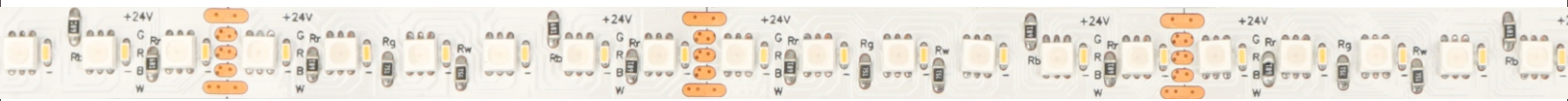




## LED STRIP SPECIFICATION

3838SMD&1808SMD 240LEDs RGB+W LED STRIP



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

# 3838SMD&1808SMD 240LEDs RGB+W LED STRIP



Part Number: LY240-S3838 **RGBW20**-W24-**IP20** → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68  
 ↳ RGBW20/RGBW25/RGBW27/RGBW30/RGBW35/RGBW40/RGBW50/RGBW60

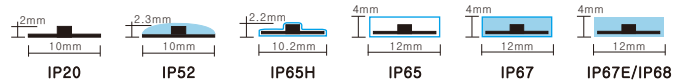
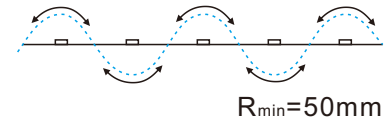
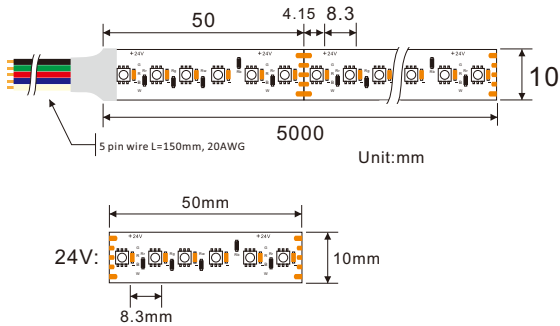


## Description

24V flexible LED strip 12LED/step =50mm with 3M adhesive tape on the back for easy installed. 1130.69lm/m at 19.2W/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 (L<sub>70</sub>). Double-layer FPC(2Oz) for good heat dissipation.



## Dimensions & Waterproof



## Product Specification

Dimension	5000x10x2mm
Chip Type	3838SMD&1808SMD
Chip Density	240LEDs/m
Step LEDs	12LEDs(24V)
Step Length	50mm(24V)

Voltage(V)	DC24V
Current(A/m)	0.8A(24V)
Power(W/m)	19.2W(4 colors 100% on)
Beam Angle	120°
Operation Temperature	-20°C~50°C

## Product Photometrics- White Diodes only (Data base on IP20 CRI>90)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
2000±100	310.12	4.8	64.61	95.10	77.04
2500±100	360.14	4.8	75.03	95.69	80.06
2700±100	378.14	4.8	78.78	96.09	89.13
3000±100	396.14	4.8	82.53	97.15	92.02
3500±100	415.20	4.8	86.50	97.20	97.14
4000±200	430.17	4.8	89.62	97.59	98.08
5000±250	438.19	4.8	91.29	97.15	97.14
6000±300	440.20	4.8	91.71	97.17	96.13

# 3838SMD&1808SMD 240LEDs RGB+W LED STRIP



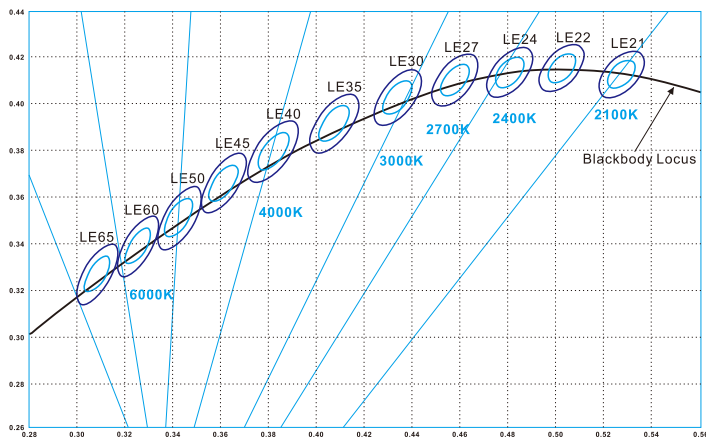
## Product Photometrics - Red, Green and Blue Diodes (Data base on IP20)

Color	Peak Wavelength (nm)	Dominant Wavelength (nm)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)
Red	632	621	124.8	4.8	26
Green	518	524	355.2	4.8	74
Blue	462	466	67.2	4.8	14

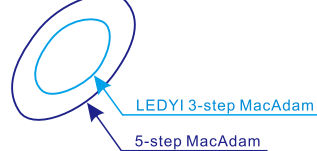
## Product Photometrics - All Four color at 100% on (Data base on IP20 CRI>90)

CCT (K)	Lumen (lm/m)	Power (w/m)	Efficacy (lm/w)	CRI	R9
RGB+2000	882.62	19.2	45.97	45.51	-
RGB+2500	936.96	19.2	48.80	53.47	-
RGB+2700	995.90	19.2	51.87	62.63	-
RGB+3000	1034.88	19.2	53.90	64.56	-
RGB+3500	1046.40	19.2	54.50	69.64	-
RGB+4000	1091.13	19.2	56.83	75.14	-
RGB+5000	1104.96	19.2	57.55	76.12	-
RGB+6000	1130.68	19.2	58.89	77.53	-

## 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)

