



LED STRIP SPECIFICATION

1808SMD 280LEDs 10mm PCB LED STRIP



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

1808SMD 280LEDs 10mm PCB LED STRIP



Part Number: LY280-S1808W30-W24-IP20 → IP20/IP52/IP65H/IP65/IP67/IP67E/IP68

→ W25/W27/W30/W35/W40/W50/W60

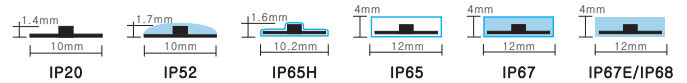
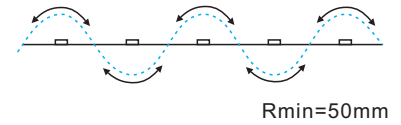
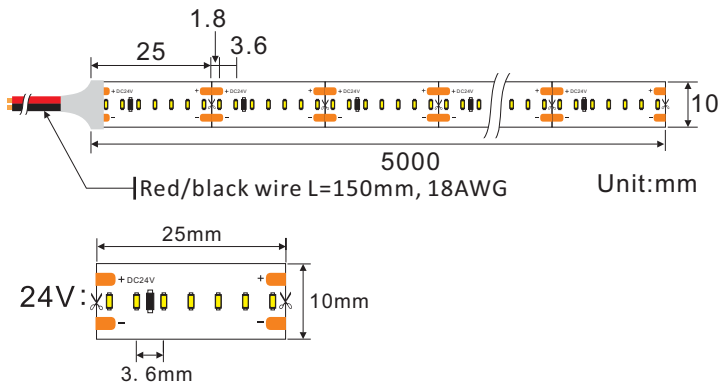


Description

24V, flexible LED strip (7LED/step =25mm) with 3M adhesive tape on the back for easy installed. 2138.9lm/m at 19.2W/m. 120° beam angle. Very good color reproduction with CRI>95. "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

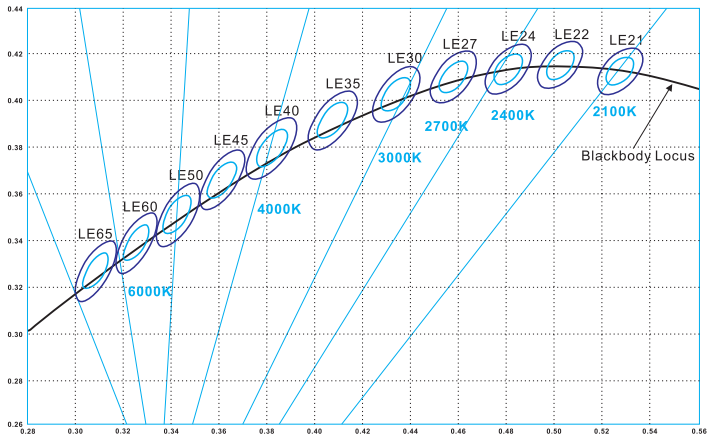
Dimension	5000x10x1.4mm
Chip Type	1808SMD
Chip Density	280LEDs/m
Step LEDs	7LEDs
Step Length	25mm

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

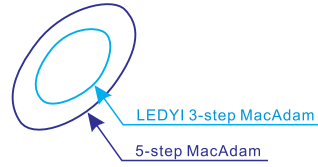
Product Photometrics (Data base on IP20 CRI>95)

CCT (K)	Lumen (lm/m)	Efficacy (lm/w)	CRI	R9	TM-30-15	
					Rf (Fidelity)	Rg (Gamut)
2500±100	1762.6	91.8	95.9	91.3	96.3	99.1
2700±100	1776.0	92.5	96.3	93.4	95.2	100.8
3000±100	2033.3	105.9	96.5	96.1	96.6	101.6
3500±150	2046.7	106.6	97.3	95.9	96.4	102.3
4000±200	2113.9	110.1	96.1	96.2	96.5	101.9
5000+500	2123.5	110.6	95.5	96.1	95.7	102.1
6000+500	2138.9	111.4	95.9	94.3	95.2	100.7

Bining



Graphic Description:



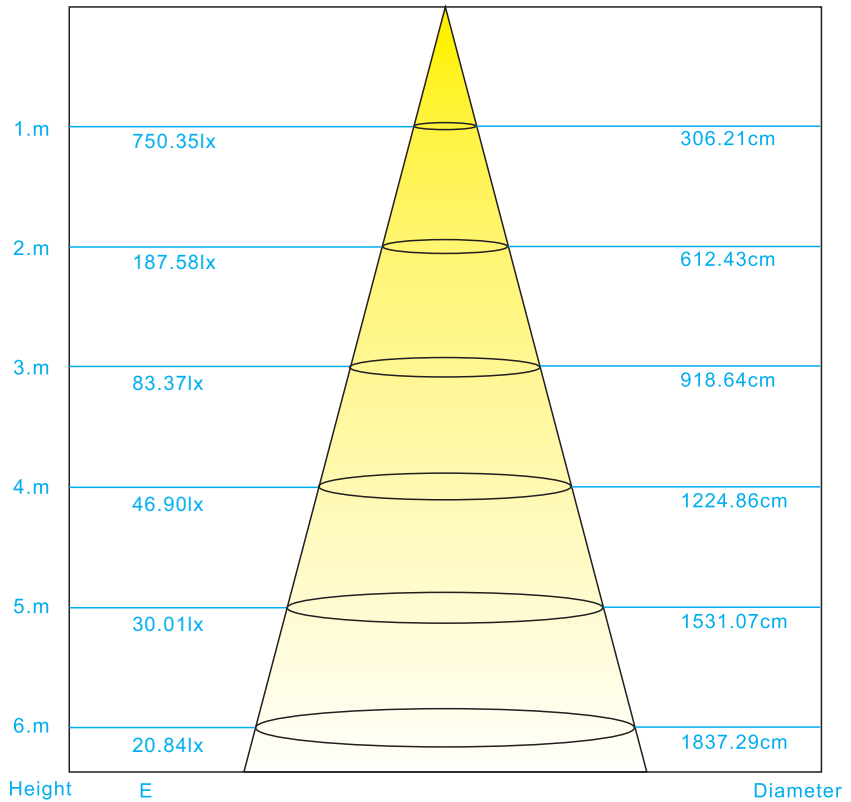
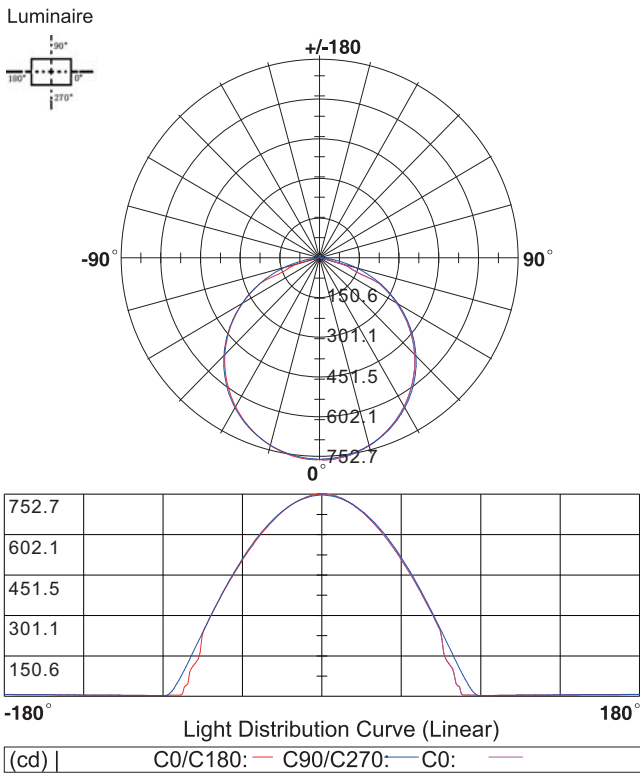
For all your order



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:** Silicone 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 6000K CRI>95, Unit:cd]



Packing Information (Data base on IP20)

