

LIGHT STRIP

LS-UTL-48V-05-14X6MM-40K-IP67

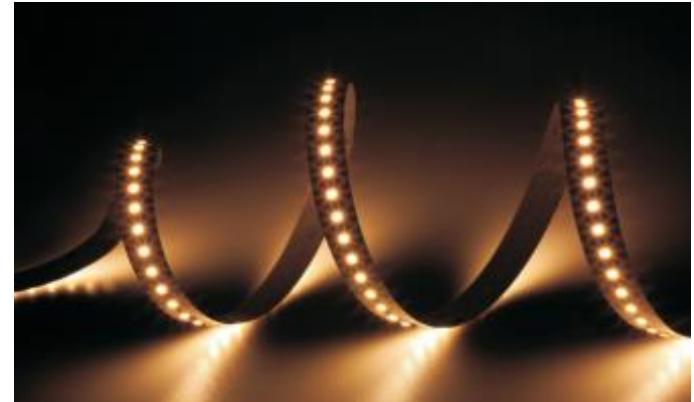
Feature

- Uses high-quality components like Epistar/San'an chips, pure copper, and 99.99% gold wire.
- Maintains uniform brightness and colour over 50m (164ft) with single-side power.
- Available brightness levels: 1600lm/m, 1100lm/m, and 600lm/m.
- High efficiency up to 125lm/W, supports 48V input.
- High-density LED (130 LEDs/m) enables dot-free lighting with aluminium profiles



Applications

- Ideal for indirect lighting in architectural contours, corridors, stairs, ceilings, coves, handrails, skirtings, and barriers.
- Suitable for outdoor and utility areas like gardens, bridges, and lifts, providing consistent and flexible lighting solutions.



Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness @ 4000K	CRI	Increment	Max Run	IP Rating	Beam Angle
LS-UTL-48V-05-14X6MM-40K-IP20	L20000*W12*H1mm	40K	SMD	48Vdc	14.4W/M	1610lm/m	Ra≥80	100mm	50m (1 Side) 100m (2 Side)	IP20	120°
LS-UTL-48V-05-14X6MM-40K-IP67	L20000*W14*H6mm	40K	SMD	48Vdc	14.4W/M	1529lm/m	Ra≥80	100mm	50m (1 Side) 100m (2 Side)	IP67 plus	120°
LS-UTL-48V-05-14X6MM-40K-IP20	L30000*W12*H1mm	40K	SMD	48Vdc	9.6W/M	1130lm/m	Ra≥80	100mm	50m (1 Side) 100m (2 Side)	IP20	120°
LS-UTL-48V-05-14X6MM-40K-IP67	L30000*W14*H6mm	40K	SMD	48Vdc	9.6W/M	1073lm/m	Ra≥80	100mm	50m (1 Side) 100m (2 Side)	IP67 plus	120°
LS-UTL-48V-05-14X6MM-40K-IP20	L50000*W12*H1mm	40K	SMD	48Vdc	4.8W/M	600lm/m	Ra≥80	100mm	50m (1 Side) 100m (2 Side)	IP20	120°
LS-UTL-48V-05-14X6MM-40K-IP67	L50000*W14*H6mm	40K	SMD	48Vdc	4.8W/M	570lm/m	Ra≥80	100mm	50m (1 Side) 100m (2 Side)	IP67 plus	120°

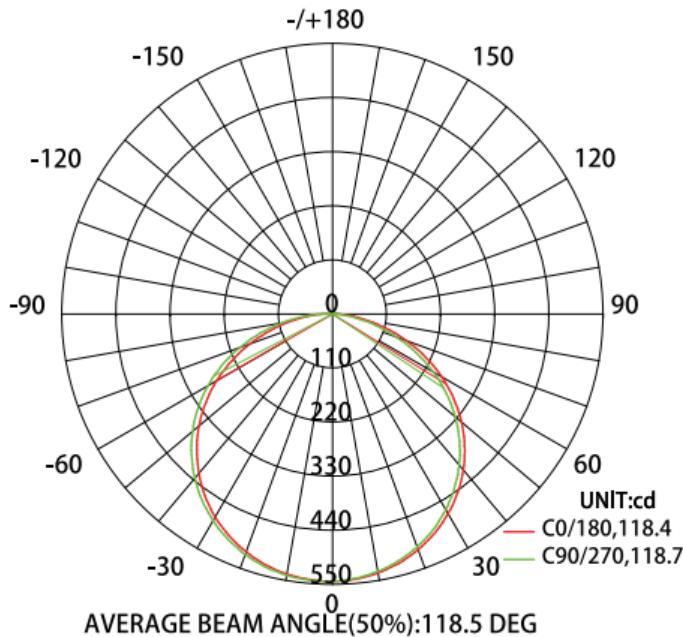
Parameter

General Parameters		Photoelectric Parameters	
Standard Length	(20/30/50)M [(65.6/98.4/164)ft] (power fed on one side) (40/60/100)M [(131/197/328)ft] (power fed on two sides)	Power±10%	(14.4/9.6/4.8)W/M [(4.39/2.93/1.46)W/ft.]
Min. Unit & LED QTY	100mm [3.94in.] & 131LEDs	Input Voltage	48VDC
LED Type	SMD2835 white	LED Current	(30/20/10)mA/LED
LED QTY	130 LEDs/M [39 LEDs/ft.]	LED CCT & Wavelength	2700K/3000K/3500K/4000K/5000K/6500K
PCB Type	3oz white FPC, OSP	SDCM	ErP & ANSI Norm, 3 step
Operating Ambient	T _a (working): -20~45°C [-4~113°F] & T _{stg} (storage): -20~60°C [-4~140°F]	CRI	R _a ≥80 & 90
Warranty	5 years	Beam Angle	120°
Lifespan	L70≥50,000@T _c ≤65°C [149°F] (T _c is temperature of LED pin)	Dimming Method	PWM (dimmable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WiFi etc.)
Certification	CE, UL, CB, SAA, RoHS, LM80		

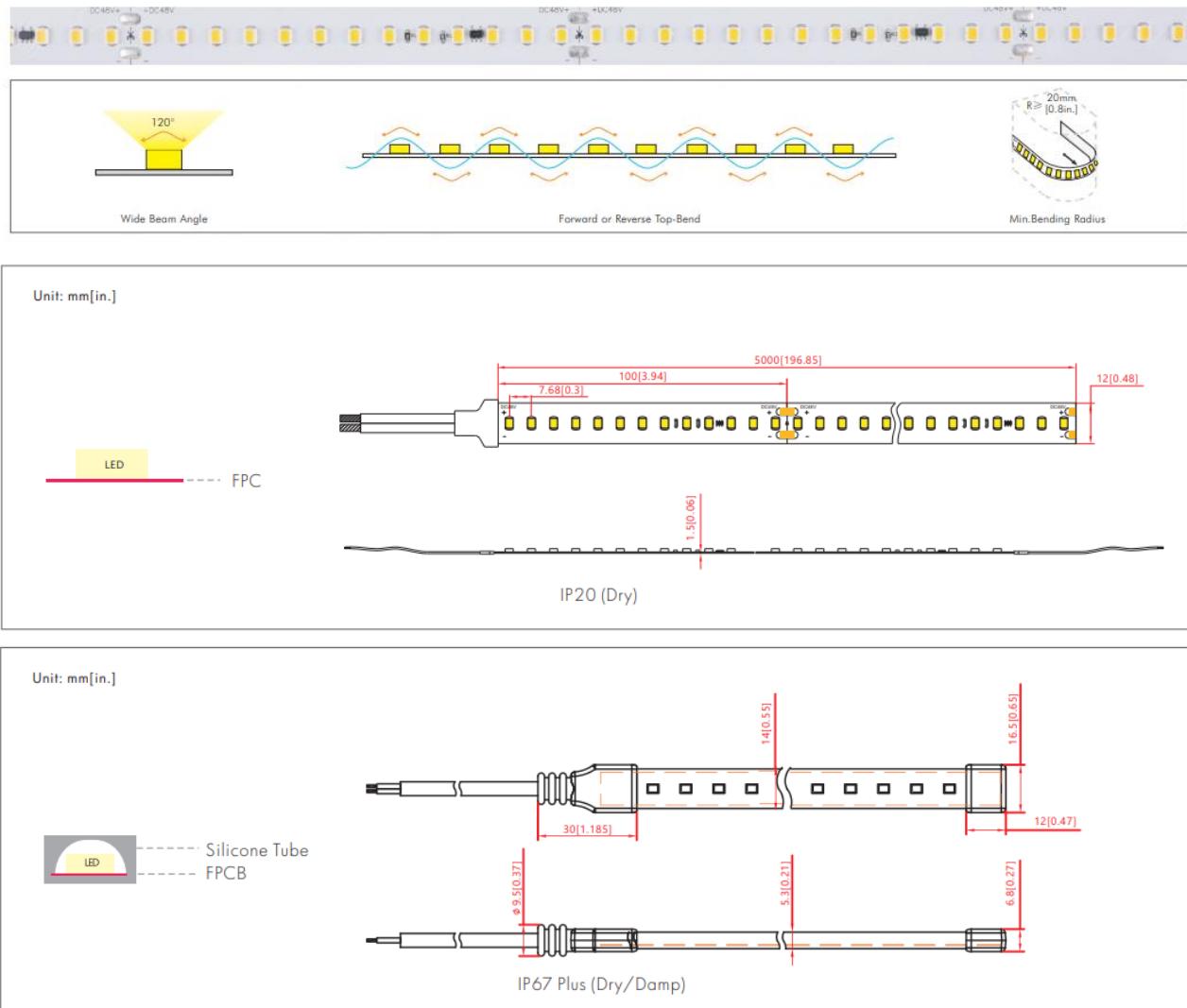
Note:

- Dimension and optical parameters such as lumen flux, CCT, etc. of the waterproof product may vary compared with the IP20 version.
- Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.
- Transmittance for IP54 Thin/IP54/IP67/IP68, 2700K/3000K is 95%, 3500K/4000K is 90%, 5000K/6500K is 80%; transmittance for IP65/ IP54 Plus/ IP67 Plus Thin/IP67 Plus is 95%.
- Applying with extra heat sink is not necessary with self-cooling capacity.
- 3M 300LSE yellow adhesive tape attached on backside, is standard configuration of Plus Series.
- One end of 200mm red/white silicon cable or waterproof connector kit according to specific IP rating, is standard configuration of Plus Series.
- Transparent reel and silvery ESD bag, are standard configuration of Plus Series.
- Installation accessories such as clip, screw, plug etc. are all optional base on specific demand.
- Power maintenance rate=actual measured power in a certain length/(a same certain length*actual measured power in 1M[3.28ft.] length); Brightness maintenance rate=actual measured brightness on the tail section in a certain length/actual measured brightness on the first section in a same certain length.

Spectroscopic Data



Dimensions and Diagrams



Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	11 September 2025	Jesse Jankelowitz	Michael Xu