

Ultra-Long High-Efficacy Series

163lm/W



LED Flexible Strip

Features

The ULHE Series is a flexible, efficient, highly customizable LED Strip. At 2.74 or 3.96 watts per foot, and 163 lumens per watt, the ULHE boasts both high efficacy and high CRI with 48 LEDs per foot, generating bright, even illumination with a lower power consumption. High density of LED array with constant current IC on board for uniform, consistent linear lighting performance. The ULHE offers maximum customization with multiple channel options and a segment length of only 1.97 inches. Standard color temperatures and multiple IP ratings available.

UL and CE with a 5-year warranty.

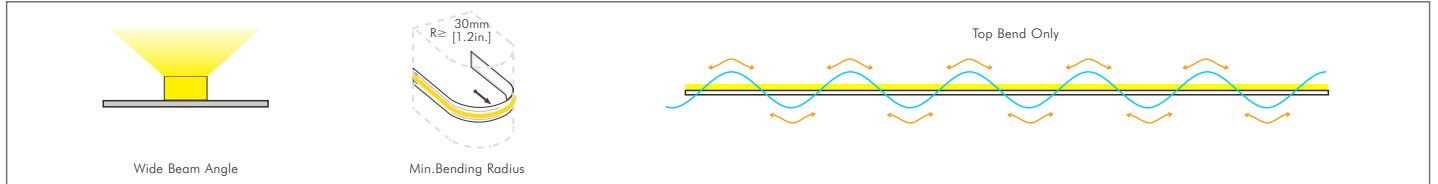
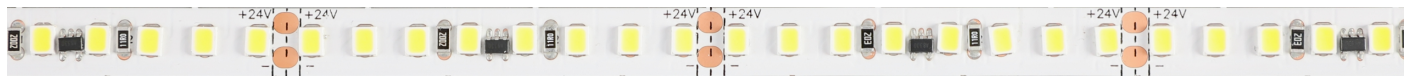
Application

The ULHE is engineered for indirect lighting in architectural contours, corridors, stairways, ceilings, coves, handrail, skirting, barriers, gardens, bridges, and elevators; and suitable for countless other applications.



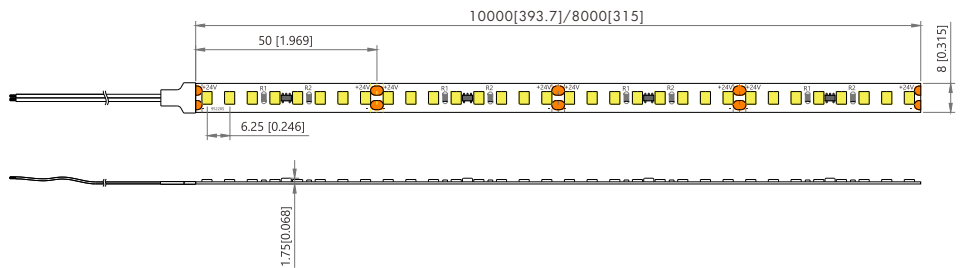
LED Flexible Strip

Diagram & Dimension



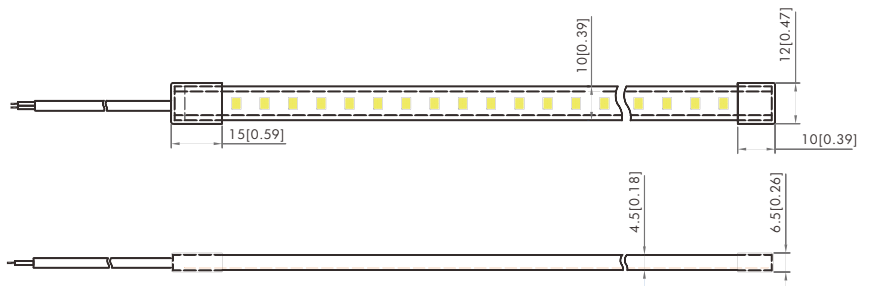
Unit: mm[in.]

IP20 (Dry)



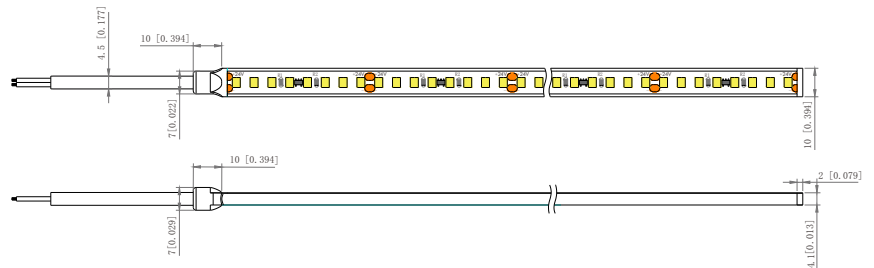
Unit: mm[in.]

IP54 Plus (Damp)



Unit: mm[in.]

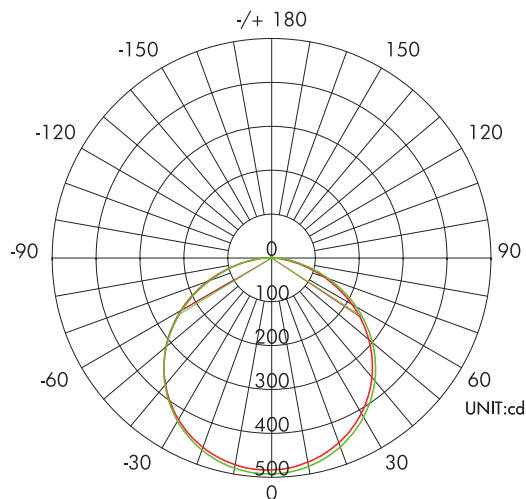
IP67 Plus (Wet)



Lighting Diagram

AVERAGE BEAM ANGLE(50%): 115.9 DEG

- C0/180, 116.0 Ic=483.3
- C90/270, 115.8 Ic=492.2



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Ordering Information

MODEL	COLOR	LENGTH	IP	VOLTAGE
ULHE-9522S-2 2.74w/ft	27K	2700K	20	24 24 Volt DC
	30K	3000K	54	
	35K	3500K	67	
	40K	4000K		
	50K	5000K		
	65K	6500K		
		32.8 32.8' Reel CU Custom Length	IP20 IP54+ IP67+	

MODEL	COLOR	LENGTH	IP	VOLTAGE
ULHE-9522S-3 3.96w/ft	27K	2700K	20	24 24 Volt DC
	30K	3000K	54	
	35K	3500K	67	
	40K	4000K		
	50K	5000K		
	65K	6500K		
		22.9 22.9' Reel CU Custom Length	IP20 IP54+ IP67+	

Accessories

FS-ULHE-9522S-WL Wire lead connector for static white strip

FS-ULHE-9522S-JC Jumper cable connector static white strip

FS-ULHE-9522S-SSC Strip to strip connector for static white strip



Recommended Power Supplies

Dimmable with 0-10v, ELV, MLV, TRIAC



Item Number	Description	Max/Min Load	Input Voltage	Output Voltage	Dimmable	Dimensions
PS-TSLC-UNV-24V-30WDHV2	30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-60WDHV2	60W	60W / 6W	100-277V AC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-96WDHV2	96W	96W / 9.6W	100-277V AC	24V DC	Yes*	8.66"L x 3.6"W x 1.61"H
PS-TSLC-UNV-24V-288WDHV2	288W (3 x 96W)	288W / 28.8W	100-277V AC	24V DC	Yes*	11.85"L x 4.25"W x 1.8"H

LED Flexible Strip

Specification

Part No.	Dimension (L*W*H)	IP Rating	Lumen Flux±10% @CRI90&4000K&9W	Light Eff. @CRI90&4000K&9W	Lumen Flux±10% @CRI95&4000K&9W	Light Eff. @CRI95&4000K&9W
ULHE-2-IP20	10000*8*1.75mm [394*0.31*0.07in.]	IP20 [dry]	1470lm/M [450lm/ft.]	163lm/W	\	\
ULHE-2-IP54	10000*8*4.5mm [394*0.31*0.18in.]	IP54 Plus [damp]	1470*95%lm/M [450*95%lm/ft.]	163*95%lm/W	\	\
ULHE-2-IP67	10000*10*4.1mm [394*0.39*0.16in.]	IP67 Plus [wet] Dual-color jacket	1470*90%lm/M [450*90%lm/ft.]	163*90%lm/W	\	\

Part No.	Dimension (L*W*H)	IP Rating	Lumen Flux±10% @CRI90&4000K&13W	Light Eff. @CRI90&4000K&13W	Lumen Flux±10% @CRI95&4000K&13W	Light Eff. @CRI95&4000K&13W
ULHE-3-IP20	8000*8*1.75mm [315*0.31*0.07in.]	IP20 [dry]	2080lm/M [630lm/ft.]	160lm/W	\	\
ULHE-3-IP54	8000*8*4.5mm [315*0.31*0.18in.]	IP54 Plus [damp]	2080*95%lm/M [630*95%lm/ft.]	160*95%lm/W	\	\
ULHE-3-IP67	8000*10*4.1mm [315*0.39*0.16in.]	IP67 Plus [wet] Dual-color jacket	2080*90%lm/M [630*90%lm/ft.]	160*90%lm/W	\	\

Notice: (1) The lumen flux value above is base on 1M[3.28ft.] length, it need to be measured and considered separately for other longer lengths.

(2) Energy efficiency class of regulation (EU) 2019/2020 is D[CRI90] for 4000K in IP20, it varies depending on CRI, CCT and IP rating.

General Parameters		Photoelectric Parameters	
Standard Length	10M[32.81ft.]@9W/M [power fed on one side] 8M[26.25ft.]@13W/M [power fed on one side]	Power±10%	9W/M [2.74W/ft.]@10M 13W/M [3.96W/ft.]@8M
Min. Unit & LED QTY	50mm [1.97in.] & 8 LEDs	Input Voltage	24VDC
LED Type	SMD2835 white	LED Current	19mA/LED@10M, 27mA/LED@8M
LED QTY	160LED/M [48LED/ft.]	LED CCT & Wavelength	2700K&3000K&3500K&4000K&5000K&6500K
PCB Type	4oz white FPC, OSP	SDCM	ANSI Norm, 3 step 1 bin
Operating Ambient	Ta(working):-20~55°C[-4~131°F] & Tstg(storage):-20~60°C[-4~140°F]	CRI	Ra>90
Warranty	5 years	Beam Angle	120°
Lifespan	L70>50,000@Tc≤65°C [149°F] (Tc 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, RoHS, LM80		

Note: 1: Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K/6500K is 5% lower, for CCT 5000K is 3% lower, compared with 4000K.

2: Transmittance for IP54 Plus is 95%, IP67 Plus is 90%.

3: Dimension, CCT and lumen flux etc. of waterproof type will be different, compared with IP20 type.

4: Applying with extra heat sink is not necessary with self-cooling capacity.

5: 3M 300LSE yellow adhesive tape attached on backside, is standard configuration of Prime Series.

6: One end of 200mm[7.87in.] AWG18 red/black silicone cable or waterproof connector kit according to specific IP rating, is standard configuration of Prime Series.

7: Paper reel and white paper ESD bag, are standard configuration of Prime Series.

8: Installation accessories such as clip, screw, plug etc. are all optional base on specific demand.