

LED Flexible Strip

High-Efficacy Premium Series

195lm/W CRI90

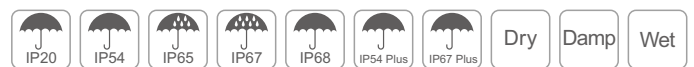


Features

The HEPS Series is a flexible, efficient, highly customizable LED strip. At 4.4 watts per foot and 195 lumens per watt, the HEPS boasts both high efficacy and high CRI with 8 LEDs per section, creating high output with half of the standard power consumption. The HEPS offers maximum customization with multiple channel options and a segment length of 1.92". Standard color temperatures and various IP ratings available. UL and CE with a 5 year warranty.

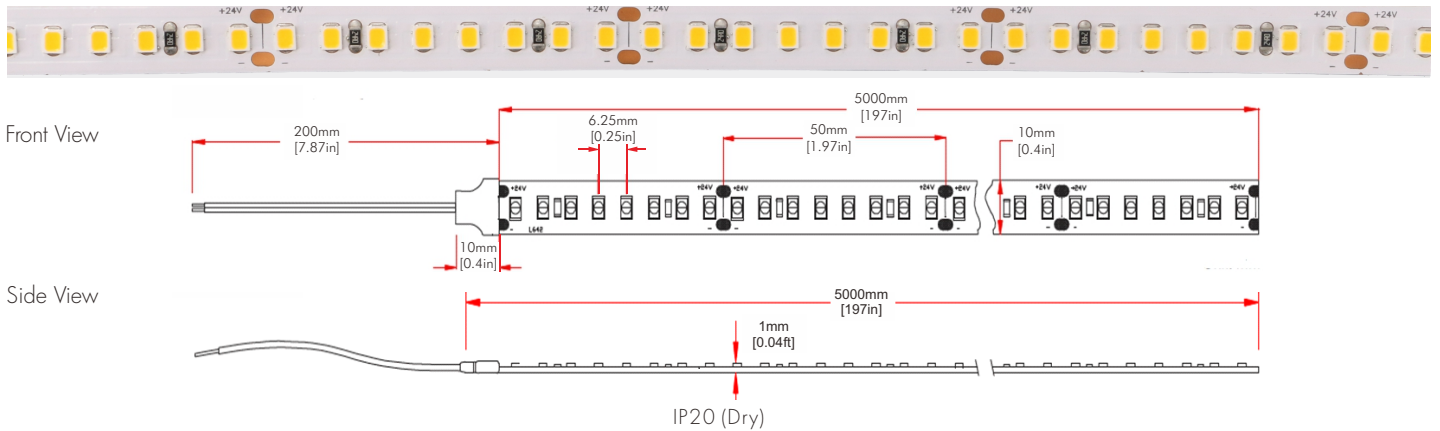
Application

The HEPS is engineered for indirect lighting in showcases, shelving, cabinetry, billboards, signage, hotels, gardens, bridges, corridors, ceilings, stairways, coves, theatres, elevators, and suitable for countless other applications.



LED Flexible Strip

Picture & Diagram



Specification

Part No.	Dimension (L*W*H)	IP Rating	Lumen Flux±10% @CRI80&4000K	Light Eff. @CRI80&4000K	Lumen Flux±10% @CRI90&4000K	Light Eff. @CRI90&4000K	Lumen Flux±10% @CRI95&4000K	Light Eff. @CRI95&4000K
HEPS-L642S	5000*10*1mm [197*0.4*0.04in.]	IP20[dry]	\	\	2810lm/M [860lm/ft.]	195lm/W	\	\
HEPS-L642S	5000*10*1.5mm [197*0.4*0.06in.]	IP54/IP54 Thin [damp]	\	\	2810*90%lm/M [860*90%lm/ft.]	195*90%lm/W	\	\
HEPS-L642S	5000*12*4mm [197*0.48*0.16in.]	IP65[wet]	\	\	2810*95%lm/M [860*95%lm/ft.]	195*95%lm/W	\	\
HEPS-L642S	5000*12*4mm [197*0.48*0.16in.]	IP67[wet]	\	\	2810*90%lm/M [860*90%lm/ft.]	195*90%lm/W	\	\
HEPS-L642S	5000*12*4mm [197*0.48*0.16in.]	IP68[wet]	\	\	2810*90%lm/M [860*90%lm/ft.]	195*90%lm/W	\	\
HEPS-L642S	5000*10*5mm [197*0.4*0.2in.]	IP54 Plus [damp]	\	\	2810*95%lm/M [860*95%lm/ft.]	195*95%lm/W	\	\
HEPS-L642S	5000*12*5mm [197*0.48*0.2in.]	IP67 Plus/IP67 Plus Thin [wet]	\	\	2810*95%lm/M [860*95%lm/ft.]	195*95%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 C (CRI90) for 4000K in IP20, it varies depending on CRI, CCT and IP rating.

General Parameters		Photoelectric Parameters	
Standard Length	5M [16.4ft] (power fed on one side)	Power±10%	14.4W/M [4.4W/ft.]
Min. Unit & LED QTY	50mm [1.97in.] & 8 LEDs	Input Voltage	24VDC
LED Type	SMD2835 white	LED Current	30mA/LED
LED QTY	160LED/M [49LED/ft.]	LED CCT & Wavelength	2700K, 3000K, 3500K, 4000K, 5000K, 6500K
PCB Type	3oz white FPC, OSP	SDCM	ErP & ANSI Norm, 3 step
Operating Ambient	Ta(working): -20~45°C[-4~113°F] & Tstg(storage): -20~60°C[-4~140°F]	CRI	Ra≥90(Typ.=93, R9≥50)
Warranty	5 years	Beam Angle	120°
Lifespan	L70≥50,000h@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, SAA, 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/IP67/IP68, 2700K/3000K/3500K/4000K is 90%, 5000K/6500K is 80%; for IP65/IP54 Plus/IP67 Plus is 95%.
 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.
 6: One end of 200mm[7.87in.] red/white silicon cable or waterproof connector kit according to specific IP rating, is standard configuration of Plus Series.
 7: Transparent reel and silvery ESD bag, are standard configuration.
 8: Installation accessories such as clip, screw, plug etc. are all optional base on specific demand.

LED Flexible Strip

IP Rating & Coding



CODE	IP RATING	SKETCH MAP	FEATURE
N	IP20 DC L.V. Series Dry Location	LED ----- FPC	Non-Waterproof
L	IP54 Thin DC L.V. Series Damp Location	LED ----- SILICONE GLUE ----- FPC	Silicone Spraying/Nano Coating Process Anti Splash Water Small Size Change Semi-Seal
C	IP54 DC L.V. Series Damp Location	LED ----- SILICONE GLUE ----- FPC	Silicone Dripping Process Anti Splash Water Small Size Change Semi-Seal
A	IP65 DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- FPC	Silicone Tube Process Anti Spray Water Tiny Color Shift Full-Seal
B	IP67 DC L.V. Series Wet Location	LED ----- SILICONE GLUE ----- SILICONE TUBE ----- FPC	Silicone Pouring Process Immerse In Water For Short Time (depth ≤ 1 meter & less than 30 minutes) Full-Seal
E	IP68 DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- SILICONE GLUE ----- FPC	Silicone Injection Process Immerse In Water For Long Time (depth ≤ 1 meter & within the warranty period) Full-Seal
K	IP54 Plus DC L.V. Series Damp Location	LED ----- SILICONE TUBE ----- FPC	Silicone Extrusion Process Anti Splash Water Small Size Change Tiny Color Shift Semi-Seal
H	IP67 Plus Thin DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- FPC	Silicone Extrusion Process Immerse In Water For Short Time (depth ≤ 1 meter & less than 30 minutes) Small Size Change, Tiny Color Shift Full-Seal
H	IP67 Plus DC L.V. Series Wet Location	LED ----- SILICONE TUBE ----- FPC	Silicone Extrusion Process Immerse In Water For Short Time (depth ≤ 1 meter & less than 30 minutes) Tiny Color Shift Full-Seal

Ordering Information

MODEL	COLOR	LENGTH	IP	VOLTAGE				
HEPS-L642S	27K	2700K	16.4	16.4' Reel	20	IP20	24V	24 Volt DC
	30K	3000K						
	35K	3500K	CU	Custom Length			54	IP54
	40K	4000K					65	IP65
	50K	5000K					67	IP67
	65K	6500K					68	IP68
			54P	IP54 plus				
			67P	IP67 plus				

Accessories

FS-HEPS-L642S-WL Wire lead connector for static white strip

FS-HEPS-L642S-JC Jumper cable connector static white strip

FS-HEPS-L642S-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