

LED Strip Lights

MODEL SL120-25M

ORTECH

Product Specification Sheet



HIGHLIGHTS

- Ultra thin, high light indoor use LED strip of 25m length, 120 LEDs per meter
- Suitable for accent lighting, display lighting, back bar lighting, and cove & cabinet lighting
- 3528 SMD light source and High CRI > 90
- Double sided 3M tape on back
- Easy to install

SPECIFICATIONS

Model	SL120-25M
Wattage	9.6W per meter
Voltage	12V DC
Lumens	950 lmn per meter
Beam Angle	120°
Lifetime	50000 hours
CRI	> 90
Dimmable	Yes
Number of LEDs	120 SMDs per meter
Cut Distance	3 LEDs — 50 mm
Rating	Non-IC Rated / Indoor use / for Dry location
Grade of Protection	IP 20
Application	Accent lighting / Display lighting / Back bar lighting / Cove & cabinet lighting
Colour Temperature	3000K (Warm White) / 5000K (Cool White)
Operating Temperature	-25°C ~ +65°C
Warranty	5 years

Accessories (sold separately)



SL-CONN

Solderless connector with wire good for power to cut pieces



SL-CONN (TWO)

Solderless connector with wire good for corners



SL-CONN (SNAP)

Solderless connector for SL-25M and SL120-25M



YD-1607

16mm PCB width Strip Light Channels

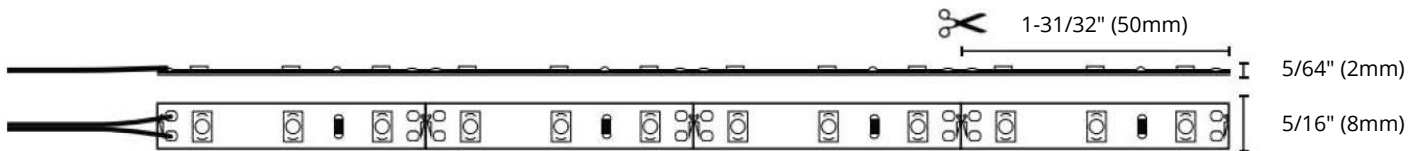


YD-1806

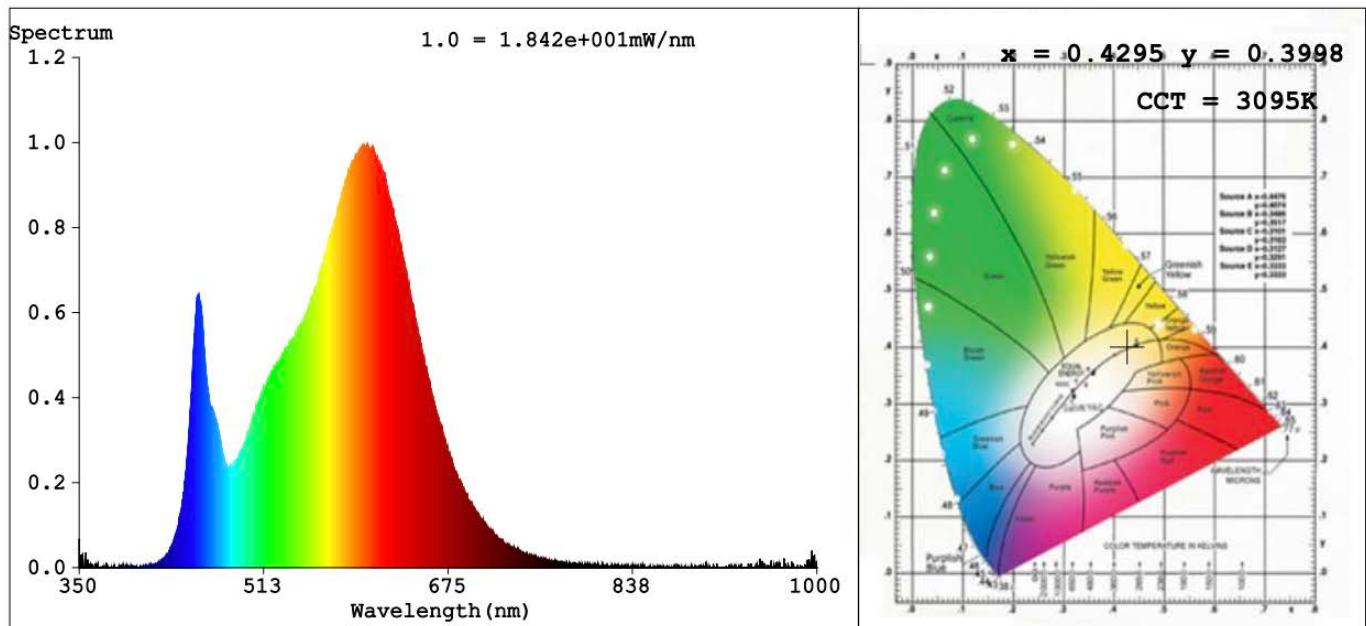
13mm PCB width Strip Light Channels

MODEL SL120-25M

DIMENSIONS



TESTING REPORT



Colourimetric Parameters

Chromaticity Coordinate: $x = 0.4295$ $y = 0.3998$ / $u' = 0.2476$ $v' = 0.5186$

CCT= 3095K (Duv=-0.0006) Dominant WL: $\lambda_d = 582.7\text{nm}$ Purity=48.9%

Peak WL: $\lambda_p = 604.2\text{nm}$ FWHM: =124.8nm

Render Index: $R_a = 82.7$ $\lambda_{av} = 586.4\text{nm}$ CRI = 77.4

$R_1 = 82$ $R_2 = 93.2$ $R_3 = 94.1$ $R_4 = 79.6$ $R_5 = 82.3$ $R_6 = 91.6$ $R_7 = 81.1$

$R_8 = 57.9$ $R_9 = 6.1$ $R_{10} = 84$ $R_{11} = 79$ $R_{12} = 70.8$ $R_{13} = 85$ $R_{14} = 97.5$ $R_{15} = 74.2$

SL120-25M 3000K

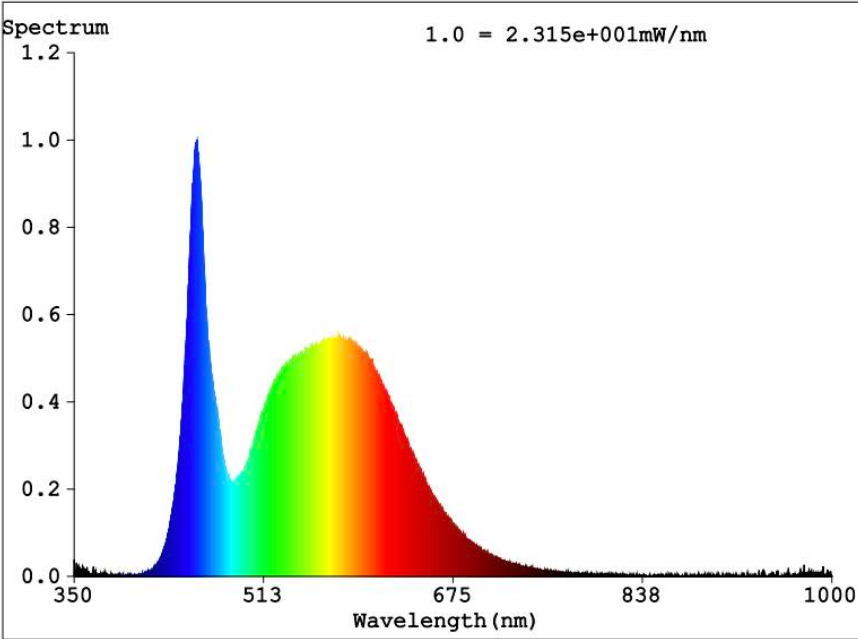
Photometric & Radiometric Parameters

Flux = 892.8 lm Eff. : 102.10 lm/W $F_e = 2.697\text{ mW}$

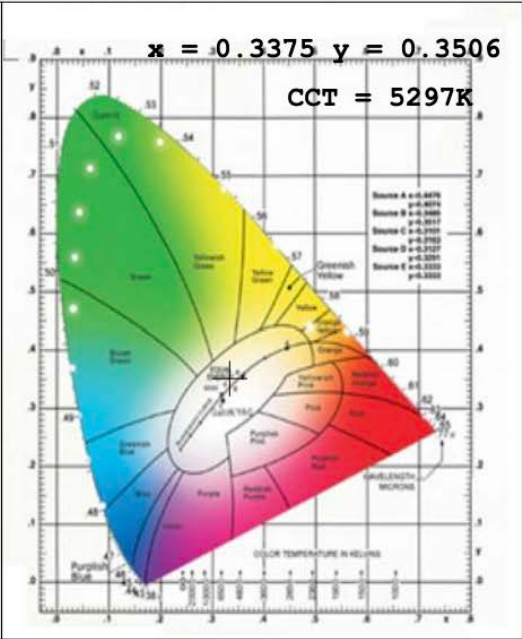
Electrical parameters

$V = 12.00\text{ V}$ $I = 0.7288\text{ A}$ $P = 8.744\text{ W}$ $PF = 1.000$

TESTING REPORT



Spectral Distribution



SL120-25M Chromaticity Diagram

Colourimetric Parameters

Chromaticity Coordinate: $x = 0.3375$ $y = 0.3506$ / $u' = 0.2067$ $v' = 0.4830$
CCT= 5297K (Duv=0.0026) Dominant WL: Ld=563.4nm Purity=6.5%
Peak WL: Lp=455.5nm FWHM: =21.3nm
Render Index: Ra = 81.0 Lav = 551.7nm CRI = 73.2
R1 =79 R2 =87.9 R3 =92 R4 =78.5 R5 =79 R6 =81.8 R7 =85.8
R8 =64.1 R9 =0 R10=69.3 R11=76 R12=54.3 R13=81.6 R14=95.7 R15=74.1

SL120-25M 5000K

Photometric & Radiometric Parameters

Flux = 789.7 lm Eff. : 98.37 lm/W Fe = 2.457 mW

Electrical parameters

V = 12.00 V I = 0.6691 A P = 8.028 W PF = 1.000

ORTECH reserves the right to modify at any time, without notice, any or all of our product's features, designs, components and specifications to meet market changes.

Reference	QTY.	Remarks	Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted by:
			Date: