

# Datasheet

## LuxaLight LED-strip Neutral White 4300K Protected (48 Volt, 160 LEDs, 2835, IP64)

LS48NW140X2835PLX

Version: 2025-01-15.1

## Technical specifications

### General

Brand	LuxaLight
LEDs / meter	160
LED type	2835
Length per reel	10 m
Length per segment	100 mm
LED strip width	10.00 mm
LED strip thickness	4.00 mm
PCB color	White
Mounting	3M tape VHB4905

### Lighting

Color temperature	4000 ~ 4300 K
CRI	≥ 80
Luminous Flux	≈ 3990 lm
BIN	3 SDCM
Beam angle	120 °
LB waarde	L90B50

### Measurement results

CRI  
(Object length: 20 cm) 87

CCT  
(Object length: 20 cm) 4379 K

Illuminance (Lux)  
(Object length: 20 cm)

	48V
2.5cm	50530 lx
5cm	43250 lx
7.5cm	25910 lx
10cm	13720 lx
20cm	5644 lx
30cm	2491 lx

Total PPFD umol/m<sup>2</sup> (PAR 400-700nm)  
(Object length: 20 cm)

	48V
2.5cm	723.614 umol/m <sup>2</sup>
5cm	626.936 umol/m <sup>2</sup>
7.5cm	374.316 umol/m <sup>2</sup>
10cm	198.021 umol/m <sup>2</sup>
20cm	81.7511 umol/m <sup>2</sup>
30cm	35.7791 umol/m <sup>2</sup>

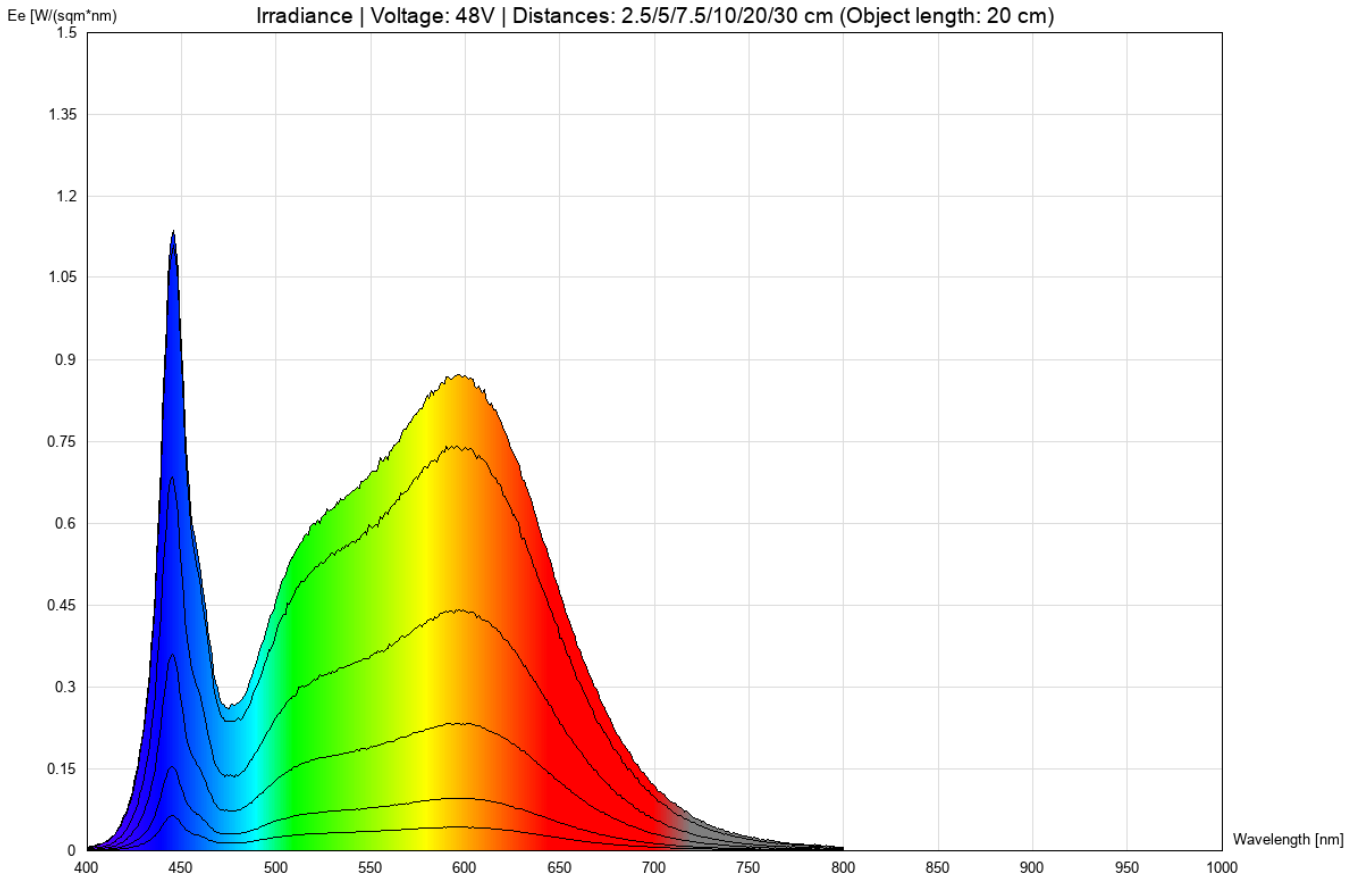
### Electronics

Working voltage	48V
Current / meter	0.44 A / meter
Power consumption per meter	21.00 W / meter

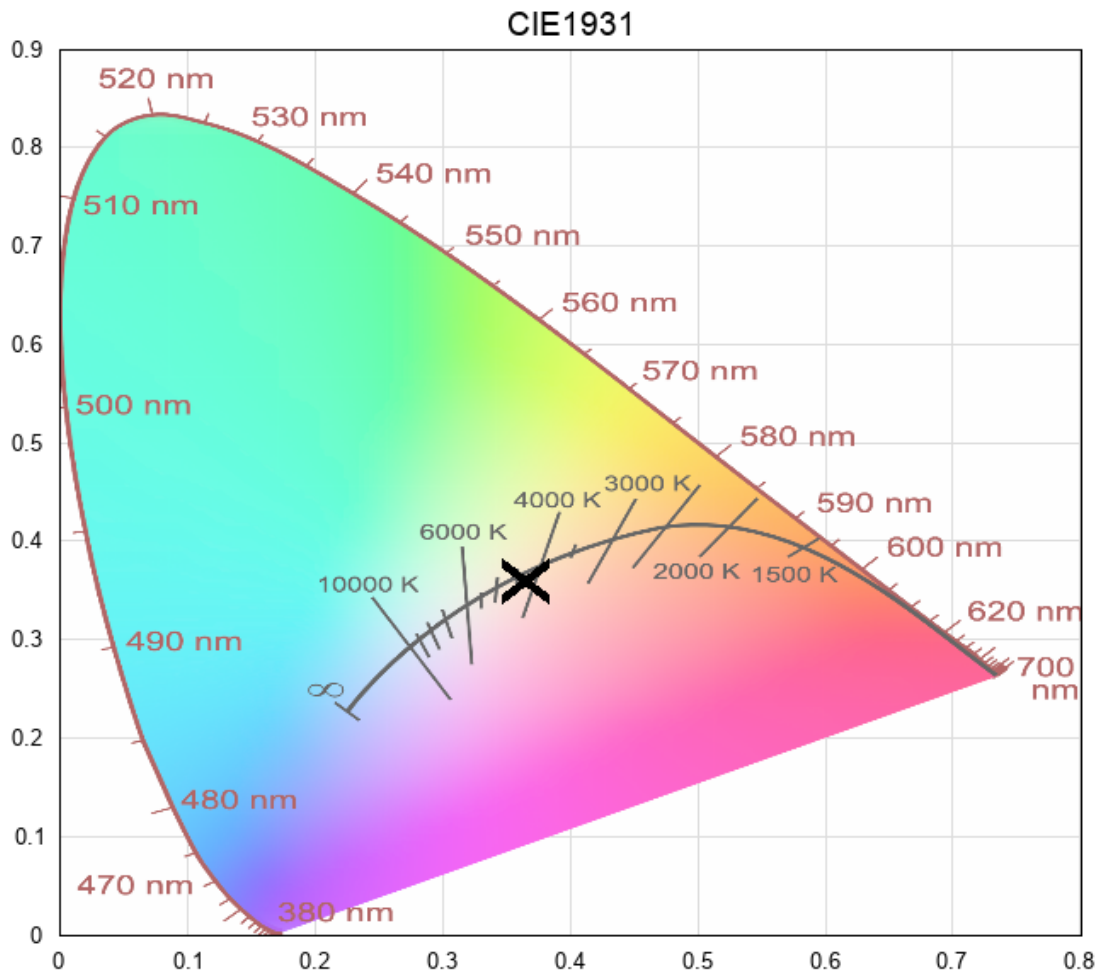
PCB material	Copper
<b>Environmental</b>	
Operating temperature	-20 ~ +60 °C
Storage temperature	-40 ~ +80 °C
IP class	IP 64
<b>Directives - standards - certificates</b>	
Directives	RoHS CE
Safety standards	EN60598-1 EN62031 IEC62471

## Measurement results

### irradiance - full-spectrum (48V)



cie1931



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