

Datasheet

LuxaLight LED-strip Full Spectrum Neutral White 4300K Protected (24 Volt, 140 LEDs, 2835, IP64)

LS24FSNW140X2835PLX

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Product description

LuxaLight LED-strip neutral white (4200 ~ 4400 Kelvin) protected 24 volt is characterized by high durability and a long service life, even under more severe conditions and in demanding situations. The LED-strip has a CRI value ≥ 95 and a luminous flux of ≈ 3000 lumen per meter.

Technical specifications

General	
Brand	LuxaLight
LEDs / meter	140
LED type	2835
Length per reel	10 m
Length per segment	50 mm
LED strip width	10.00 mm
LED strip thickness	4.00 mm
PCB color	White
Mantle material	Silicon
Warranty	5 years
Lifetime	70000 hours
Lighting	
Color temperature	4200 ~ 4400 K
CRI	≥ 95
Luminous Flux	≈ 3000 lm
BIN	3 SDCM
Beam angle	120 °
LB waarde	L90B50
Measurement results	
CRI (Object length: 200 mm)	96
CCT (Object length: 200 mm)	4251 K
Illuminance (Lux) (Object length: 200 mm)	24V
	5cm 30250 lx
	10cm 12180 lx
	15cm 6426 lx
	20cm 4004 lx
	25cm 2713 lx
	30cm 2053 lx
Total PPFD umol/m2 (PAR 400-700nm) (Object length: 200 mm)	24V
	5cm 497.999 umol/m2
	10cm 200.151 umol/m2
	15cm 105.655 umol/m2
	20cm 66.0014 umol/m2
	25cm 44.6026 umol/m2
	30cm 33.7203 umol/m2
Peak wavelength (Object length: 200 mm)	449 nm

Peak irradiance (Object length: 200 mm)	24V	
	5cm	0.655523 W/sqm
	10cm	0.270964 W/sqm
	15cm	0.143597 W/sqm
	20cm	0.0895168 W/sqm
	25cm	0.0611119 W/sqm
	30cm	0.0459946 W/sqm

Total irradiance (Object length: 200 mm)	24V	
	5cm	112.7 W/sqm
	10cm	45.26 W/sqm
	15cm	23.89 W/sqm
	20cm	14.9 W/sqm
	25cm	10.07 W/sqm
	30cm	7.616 W/sqm

Electronics

Working voltage	24V
Current / meter	1.00 A / meter
Power consumption per meter	24.00 W / meter
PCB material	Copper

Environmental

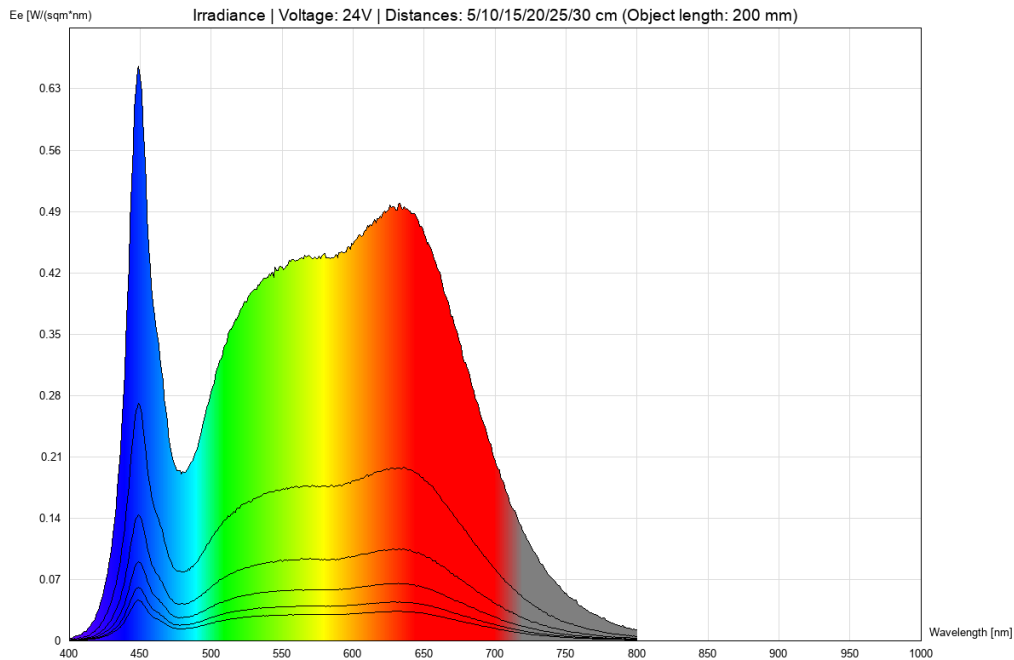
Operating temperature	-20 ~ +60 °C
Storage temperature	-40 ~ +80 °C
IP class	IP 64

Directives - standards - certificates

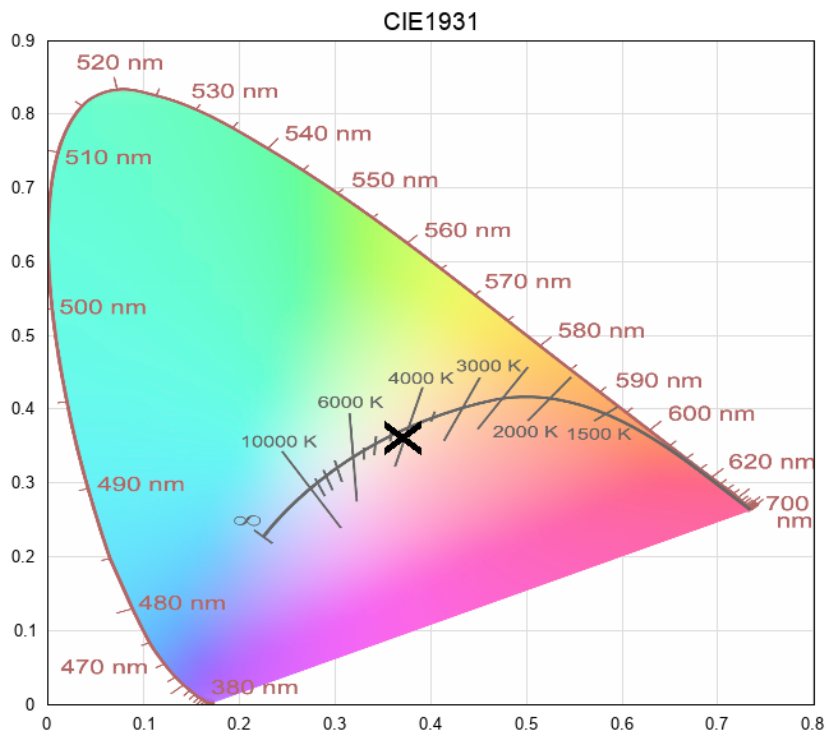
Directives	RoHS CE
Safety standards	EN60598-1 EN62031 IEC62471

Measurement results

irradiance - full-spectrum (24V)



cie1931



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