

Datasheet

LED-strip specification

LED-strip type:
LS24W140X2835WLX

Description:
**LuxaLight LED-strip 24V White Waterproof 2835
(24 Volt, 140 LEDs, 2835, IP68)**

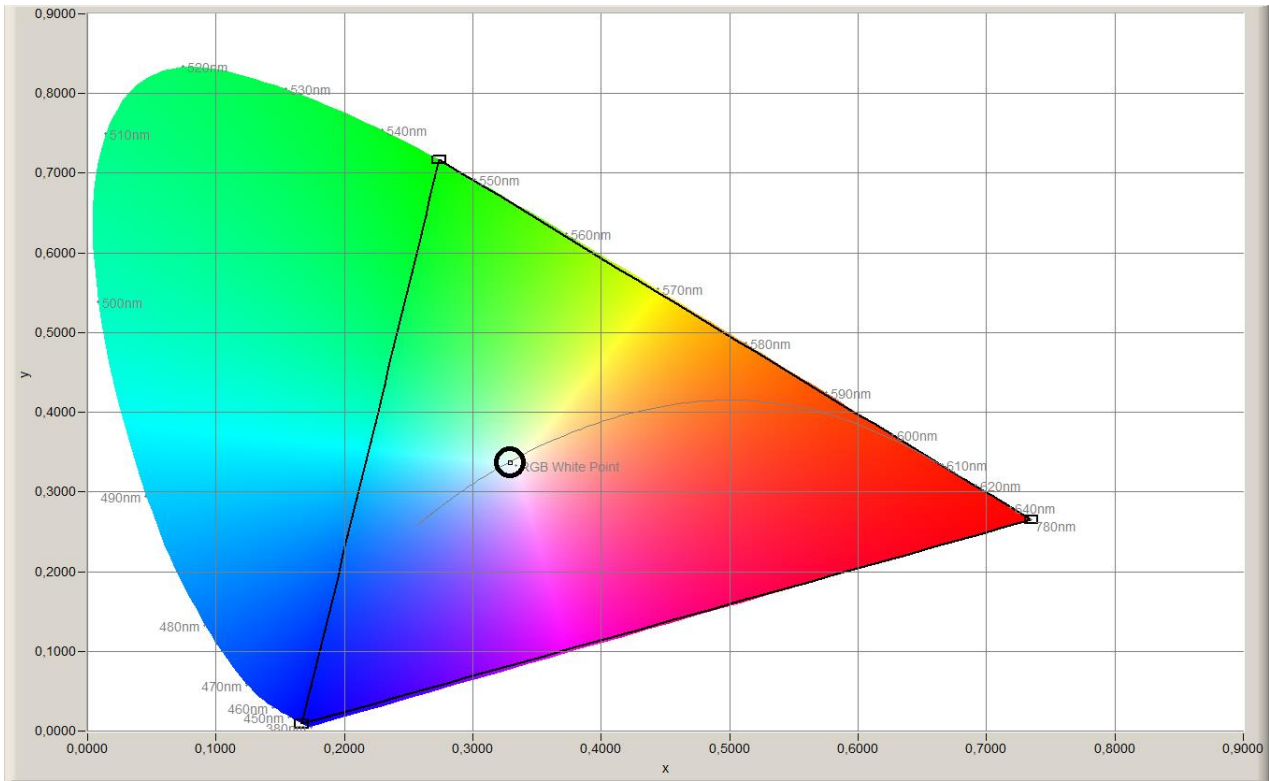


Date:
01-06-2023

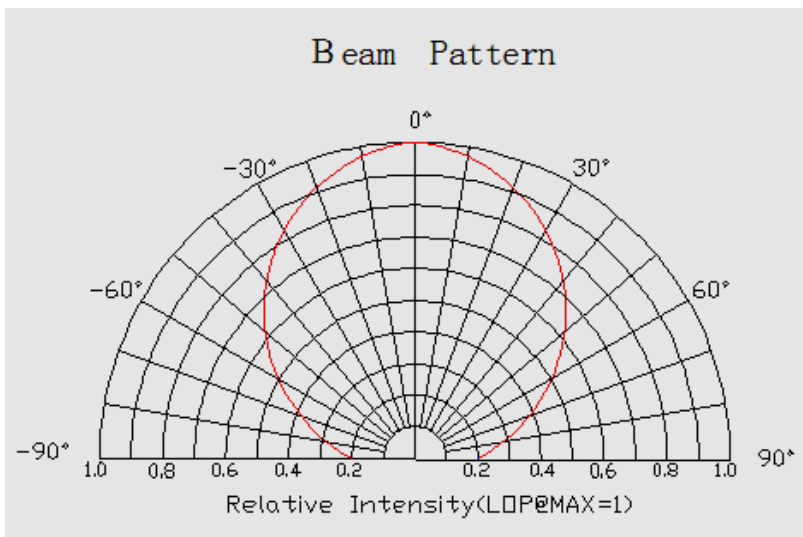
Page 1 of 5

Technical Specifications		
LS24W140X2835PLX		
General	LED Type	2835 SMD
	LED Quantity	140 LEDs/m
	Dimensions	10000 * 10 * 3 (L x B x H)
	Weight	20 ~ 30g / meter
	Mounting	3M tape VHB4905
Environment	Working Temperature	-20°C ~ +70°C
	Storing Temperature	-20°C ~ +70°C
	IP Grade	IP68
	Mechanical Protection	Silicone Coating
	Lifetime	70.000 Hours
	Warranty	5 Years
Electronic	Working Voltage	DC24V
	Working Current	1 A / Engine
	Working Wattage	24 W / Engine
	Driving Method	Constant Voltage
Lighting	Engine Colour Temperature (K)	5600K White
	Measured Colour temp. (at 60cm)	5650K
	Luminous Flux	≈ 3000 lm
	Viewing Angle (θ)	120 ±5°
	CRI	≥ 95 Ra
	LB Value	L90B50
	BIN	3 SDCM

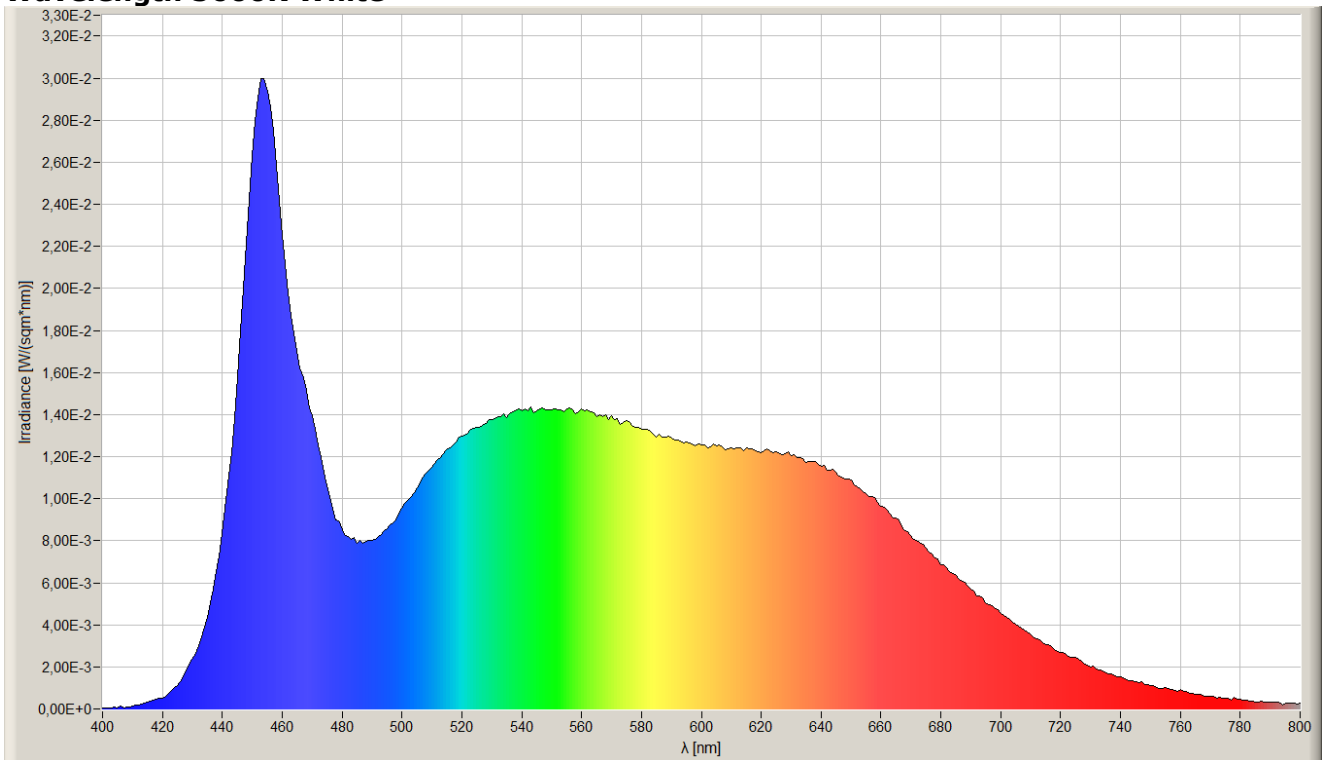
CIE1931 White:



Optical Characteristics Curve:



Wavelength 5600K White



The Materials of PCB:

Conducting Tracks: Cu, 35um thickness, double sided.

Solderings:

Solder Alloy: 99.3 Sn, 0.7 Cu,

Melting Temperature: 227°C

No SVHC (Jan 2021)

Certificate of Conformity:

EC Council Directive 2004/108/EC

Electromagnetic Compatibility

Complies to the standards:

- NEN-EN-IEC 61000-3-2:2019/A1:2021
- NEN-EN-IEC 61000-3-3:2013+A1:2017+A2:2021
- NEN-EN-IEC 61547:2009

While LuxaLight has made every reasonable effort to ensure the accuracy of the information in this brochure, LuxaLight does not guarantee that it is error-free, nor does LuxaLight make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. LuxaLight reserves the right to make any adjustments to the information contained herein at any time without notice. LuxaLight expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalogue are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult LuxaLight for the latest dimensions and design specifications.