

Datasheet

Luxalight Industrial Back Light RVS 6500K 400 x 200mm Transparent IP68 (24V, 2835, IP68)

BL-24-6500-540-400X200-PU

Version: 2025-03-28.1

Technical specifications

General																	
Brand	LuxaLight																
Application	Food Inspection (Agro-Food) Hyper - spectral Imaging Line Scan Cameras Machine Vision																
LED type	2835																
PCB color	White																
Material	RVS 316																
Dimensions	400 × 200 × 7 mm																
LEDs per piece	540.00																
Lighting																	
Color temperature	6500 K																
CRI	≥ 95																
BIN	3 SDCM																
Beam angle	120 °																
Measurement results																	
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Illuminance

Value	Measuring distance
138 klux	50 mm
108 klux	75 mm
87 klux	100 mm
42 klux	200 mm
26 klux	300 mm
16 klux	400 mm
12,7 klux	600 mm

- By combining Pulse Mode with Real-Time Monitoring, the efficiency of LED systems can be increased, resulting in higher output.
- We have the expertise and equipment to perform measurements tailored to the specific requirements of the application.

Electronics

Working voltage	24V
Current per piece	1.80 A / piece
Power consumption per piece	43.20 W / piece
PCB material	Aluminium

Pinout

Symbol	Function
V+	V+
GND	Ground
NTC	NTC sensor
NTC_GND	NTC ground

NTC parameters	Resistance: 5000 Ohm Beta value: 3950
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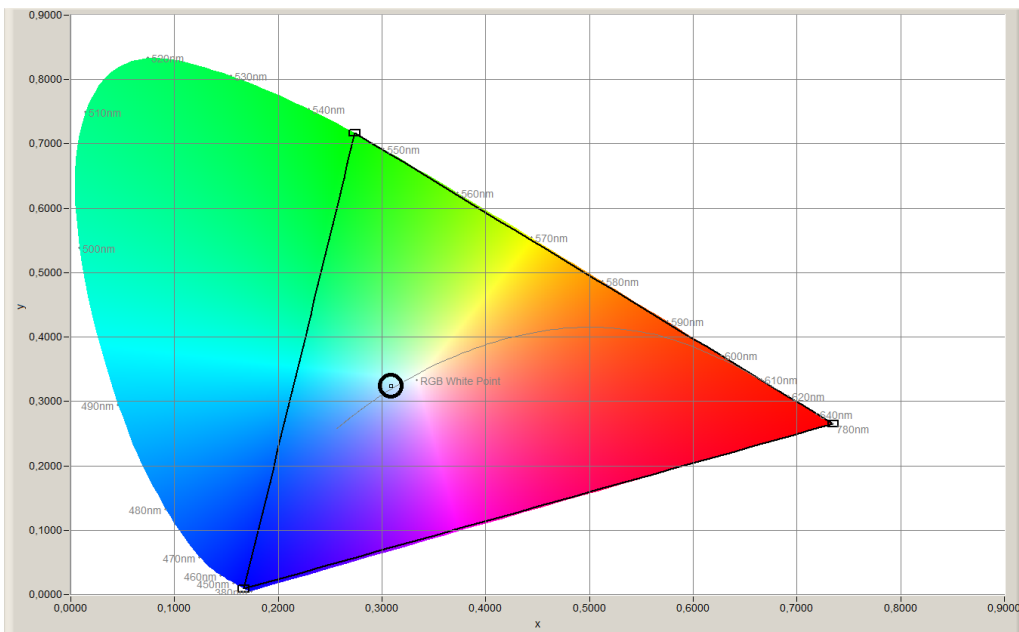
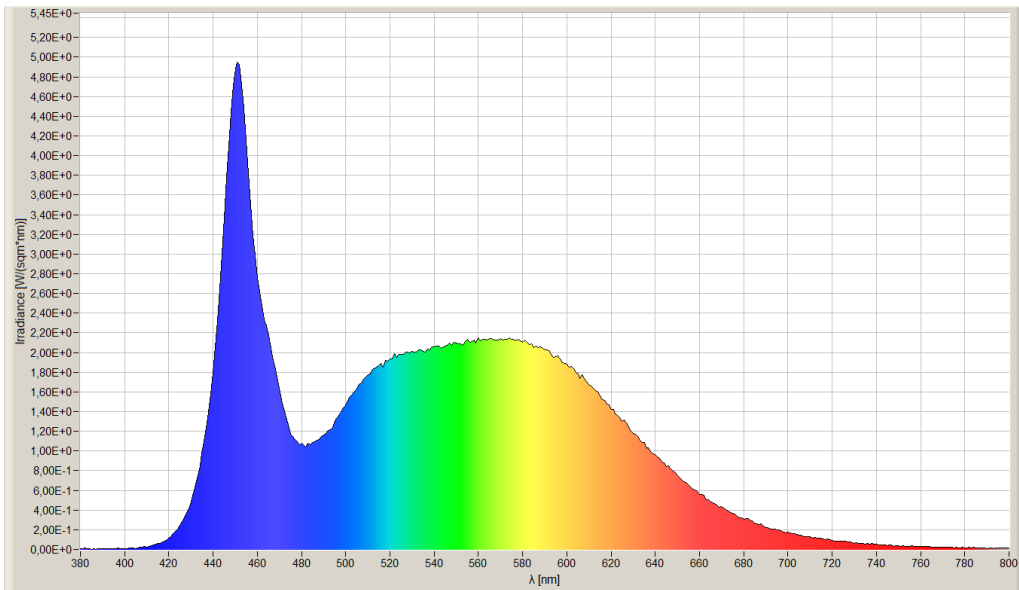
Environmental

Operating temperature	-20 ~ +60 °C
Storage temperature	-40 ~ +80 °C
IP class	IP 68

Directives - standards - certificates

Directives	RoHS CE
Safety standards	EN60598-1 IEC62471 EN62031

Measurement results



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