

Datasheet

LED pixel specification

LED pixel type:
COBLEDUV365M30V

Description:
**LuxaLight Long Life COB LED High Power UV 365nm
100W 5300mW**



Date:
17-01-2022

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Basic Parameters	
LED Type	COB LED
Wavelength	UV 365nm
Viewing Angle (θ)	140 \pm 5°
IP grade	IP20
Dimensions	55,95 * 39,95 * 4,3mm
Weight	30g
Lifespan	5000 hours
Warranty	2 Years

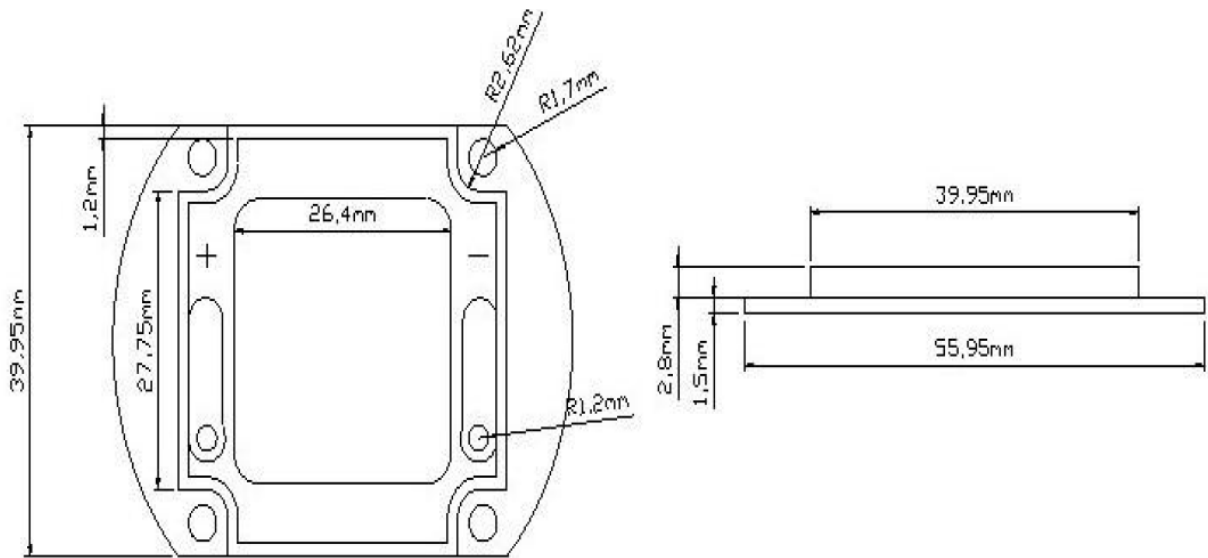
**Electrical / Optical Characteristics at
TA=25°C**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
UV Intensity	Φ	4500	5300	6000	mW	IF = 3000mA
Viewing Angle	2 θ 1/2		140		deg	IF = 3000mA
Dominant Wavelength	WD				K	IF = 3000mA
Spectral Line Half-Width	$\Delta\lambda$		365		nm	IF = 3000mA
Forward Voltage	VF	38.0 0	40.00	42.00	V	IF = 3000mA
Reverse Current	IR				μ A	VR = 5V

**Absolute Maximum Ratings at
TA=25°C**

Parameter	Maximum Rating
Power Dissipation	100W
Power Forward Current (1/10 Duty Cycle, 0,1ms Pulse Width)	5000mA
Continuous Forward Current	3000mA
Derating Linear From 30°C	0,8A/°C
Reverse Voltage	5V
Operating Temperature Range	-20°C to + 80°C
Storage Temperature Range	-30°C to + 100°C
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 seconds

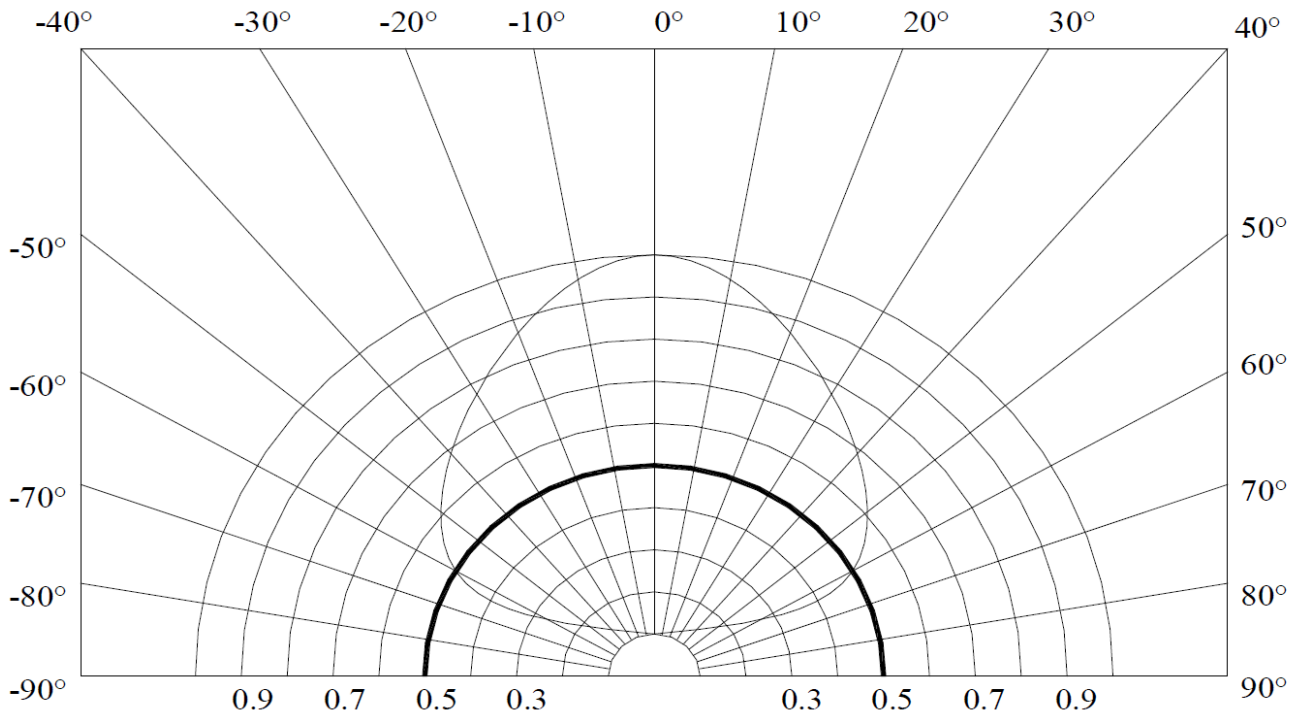
Mechanical Dimensions



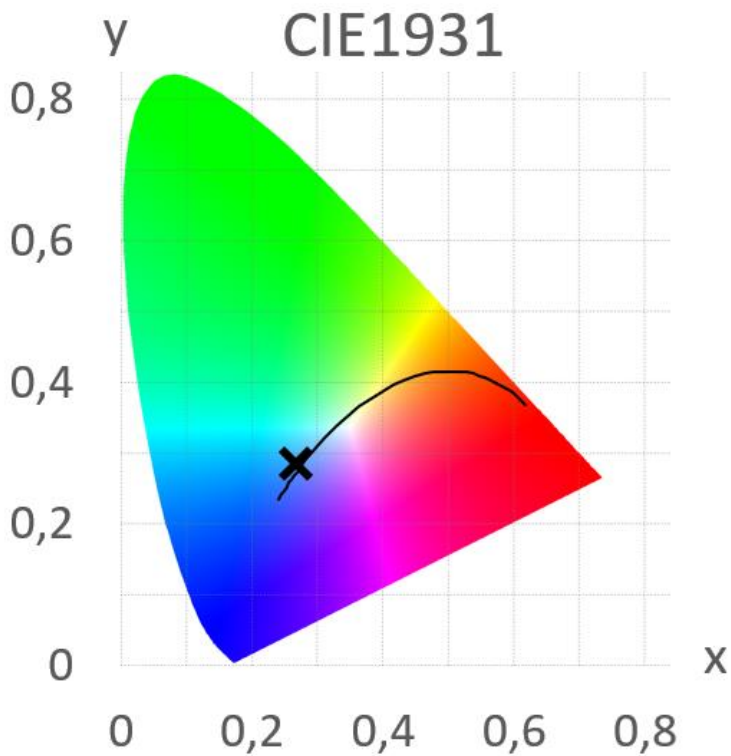
Notes

1. All dimensions are in millimeters
2. Tolerance is $\pm 0,25\text{mm}$ (0.010") unless otherwise noted
3. Protruded region under flange is 1.0(0.04") max.
4. Lead spacing is measured where the leads emerge from the package.

Optical Characteristics Curve

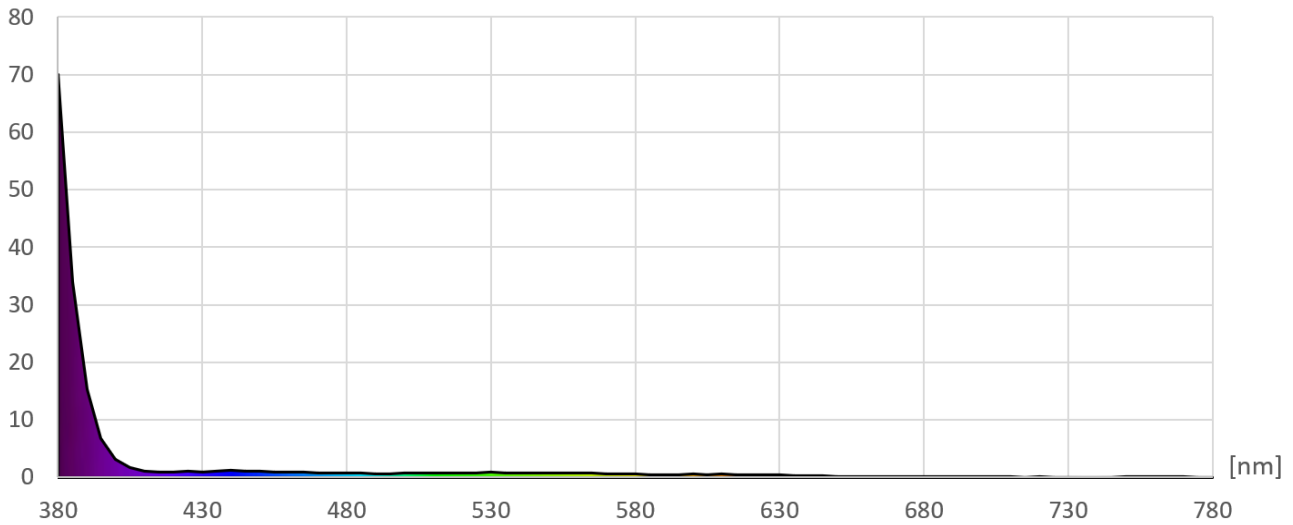


CIE1931:



Wavelength:

mW/m²/nm



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 61547:20

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