

Datasheet

LED pixel specification

LED pixel type:
CL20UV365M30V

Description:
LuxaLight Long Life COB LED



Date:
17-08-2021

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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	50,000hours
LB Value	L80B50
BIN	3 SDCM
Warranty	2 Years

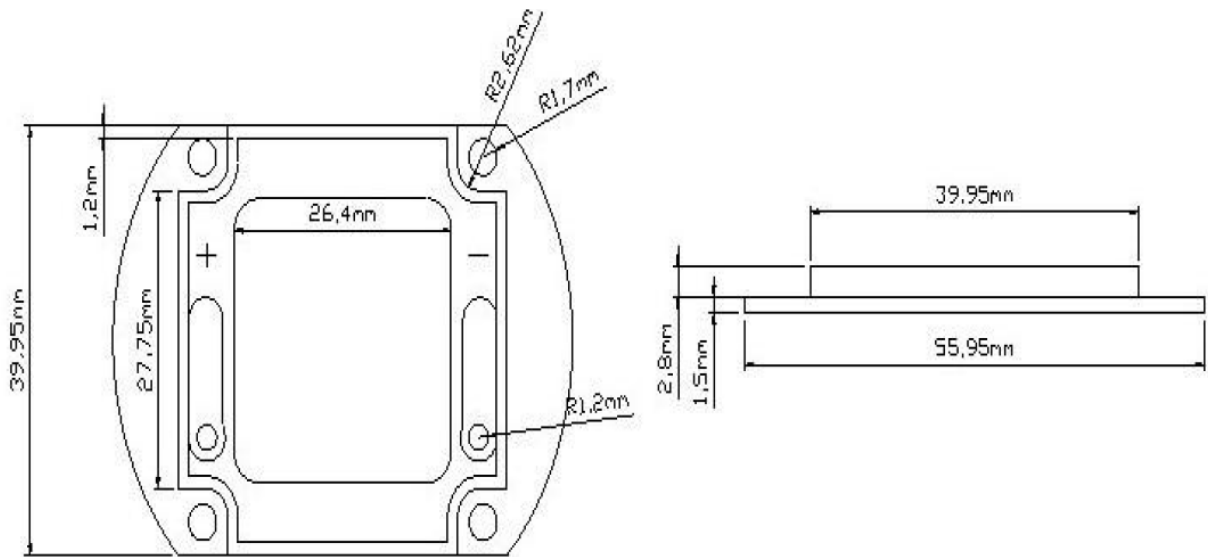
Electrical / Optical Characteristics at TA=25°C

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

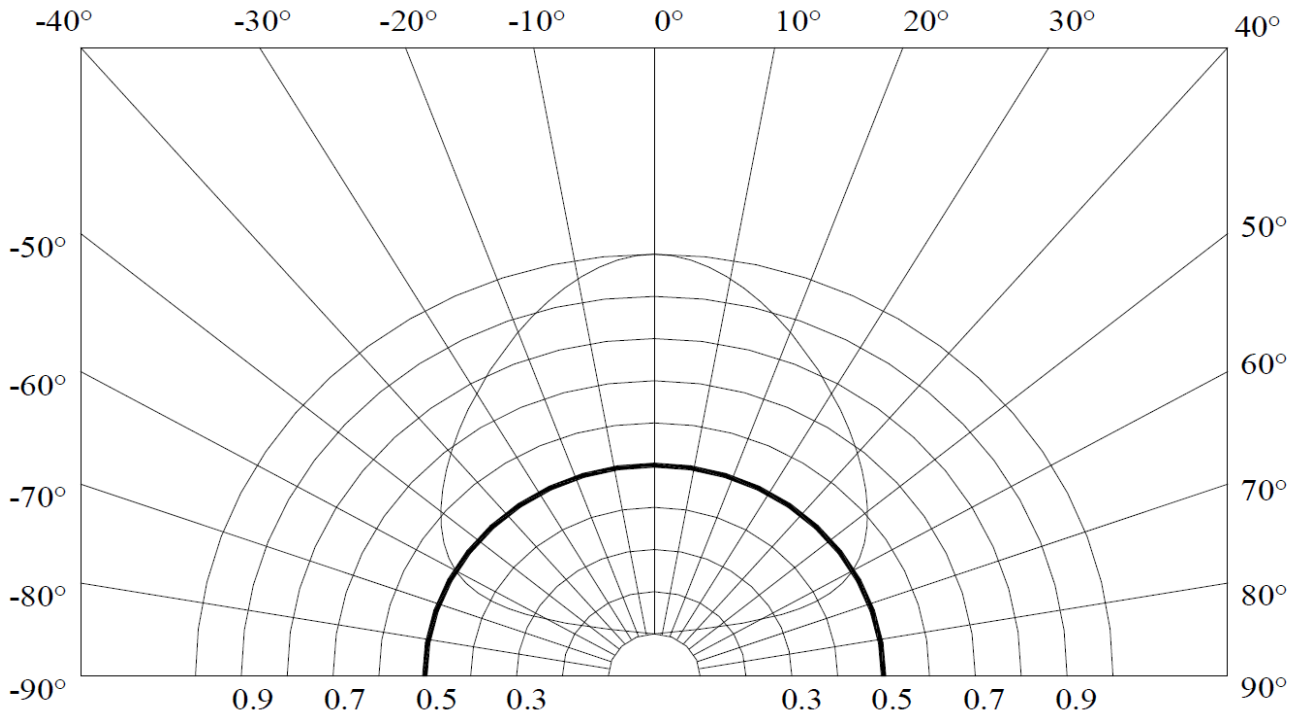
Mechanical Dimensions



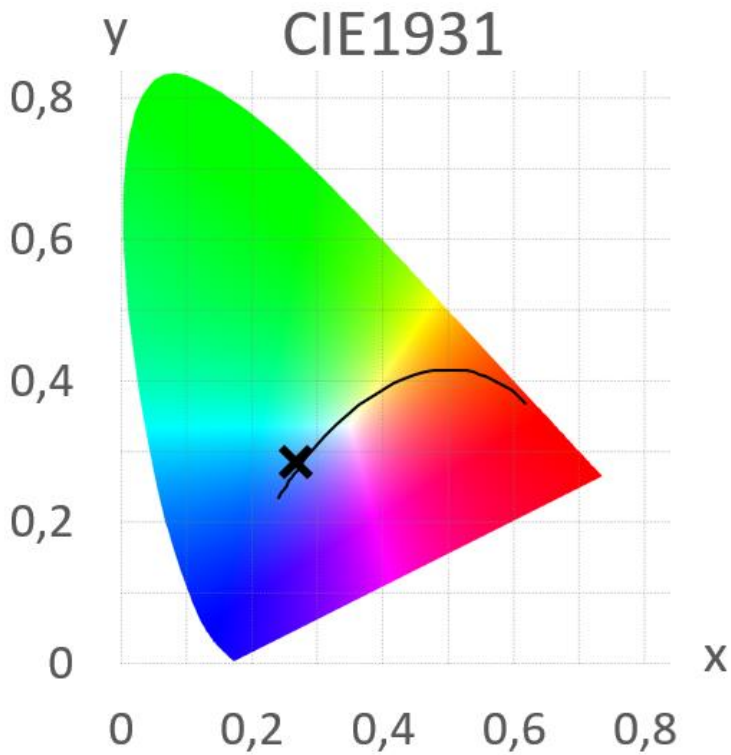
Notes

1. All dimensions are in millimeters
2. Tolerance is $\pm 0,25\text{mm}$ (0.010") unless otherwise noted
3. Protruded resion under flange is 1.0(0.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice

Optical Characteristics Curve

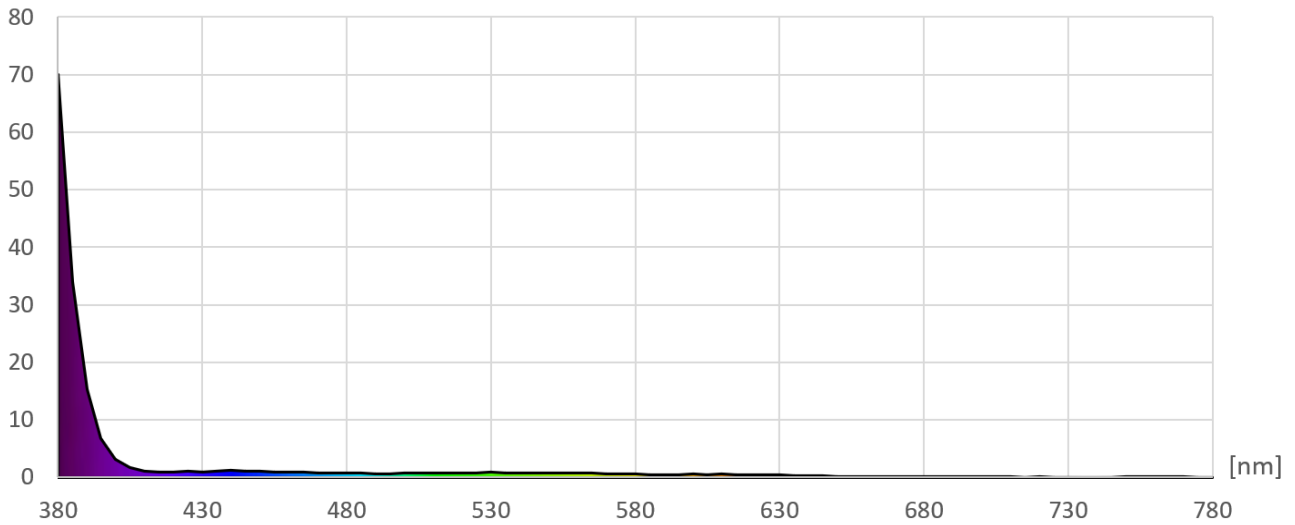


CIE1931:



Wavelength:

mW/m²/nm



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