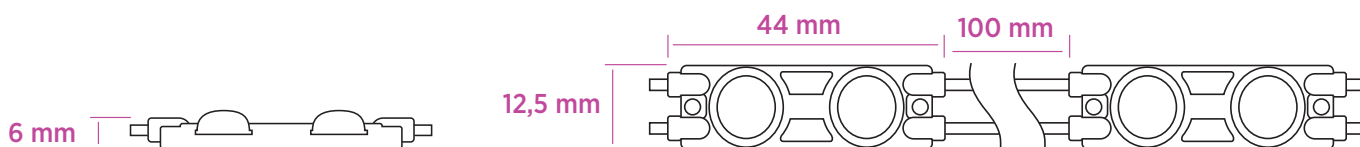




Dimension:



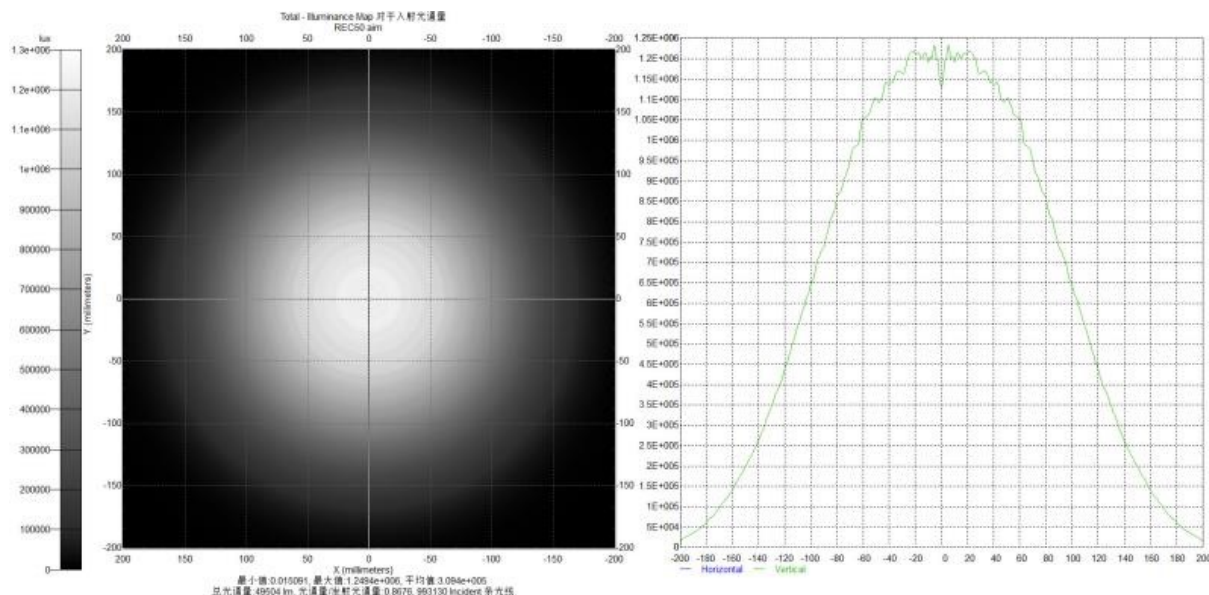
Feature:

- Constant Voltage, 20 pcs per series
- The Aluminum plate for heat dissipation
- Injection molding process. Waterproof:IP 65
- Bigger chip, 10% brighter than before
- Energy saving. Environment friendly
- Use Alu PCB, better heat dissipate, Longer life span
- Suitable for 5-12cm height channel letters and light boxes backlighting etc.

Parameter of Product:

Code	Color	"Opration Voltage"	"Rated Current"	"Rated Power"	"Beam Angle"	Luminous Flux	Working Temp.	IP Rank
2SL165W	White 6500	DC12V	60mA	0,72W	165°	80Lm	-40°C-60°C	IP 65

Distribution curve:



Typical optical characteristics:

Color Parameter

Chroma Coordinate:x=0.2958 y=0.3073 u=0.1941 v=0.3025 Duv=0.0011

Chroma Coordinate:u'=0.1941 v'=0.4537

CCT.:CCT=7894K Dominant: d=482.2nm Barycenter: b=534nm Peak Wavelength: p=448nm

FWHM: 19.93nm Purity:Pe=14.9% Red Ratio:R=0.114 Green Ratio:G=0.84 Blue Ratio:B=0.045

Color CRI.:Ra=74.14

R 1=74 R 2=76 R 3=75 R 4=77 R 5=75 R 6=67 R 7=82
R 8=67 R 9=-14 R 10=40 R 11=75 R 12=43 R 13=74 R 14=86
R 15=71

Luminosity Parameter

Luminous Flux(380-780nm):81.0107lm Optical Power(380-780nm):0.267W Efficient(380-780nm):103.9lm/W

Electric Parameter

Voltage: U=12V Current: I=65mA Power: P=0.78W PF: PF=1

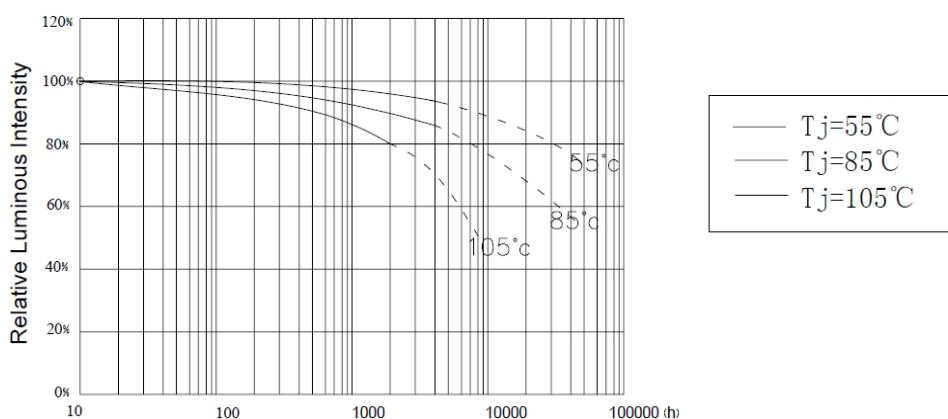
Device State

Wavelength Range: 380nm-780nm Wavelength Interval: 1nm

Affect of Tj on Luminous Maintenance:

life test:

Affect of Tj on Luminous Maintenance
(If=40mA)
(Dot line: Expected Life)



Absolute maximum ratings:

Parameter	Symbol	Value	Unit
Forward current	If	85	mA
Reverse voltage	Vr	5	V
Operating temperature range	Top	-20 ~+85	°C
Storage temperature range	Tstg	-35~+85	°C
Pulse forward current	Ifp	150	mA
Electrostatic discharge	ESD	2000(HBM)	V