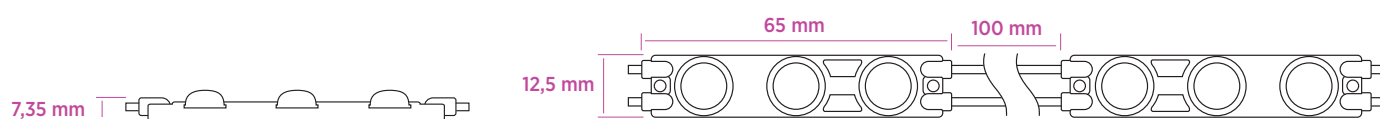




Dimension:



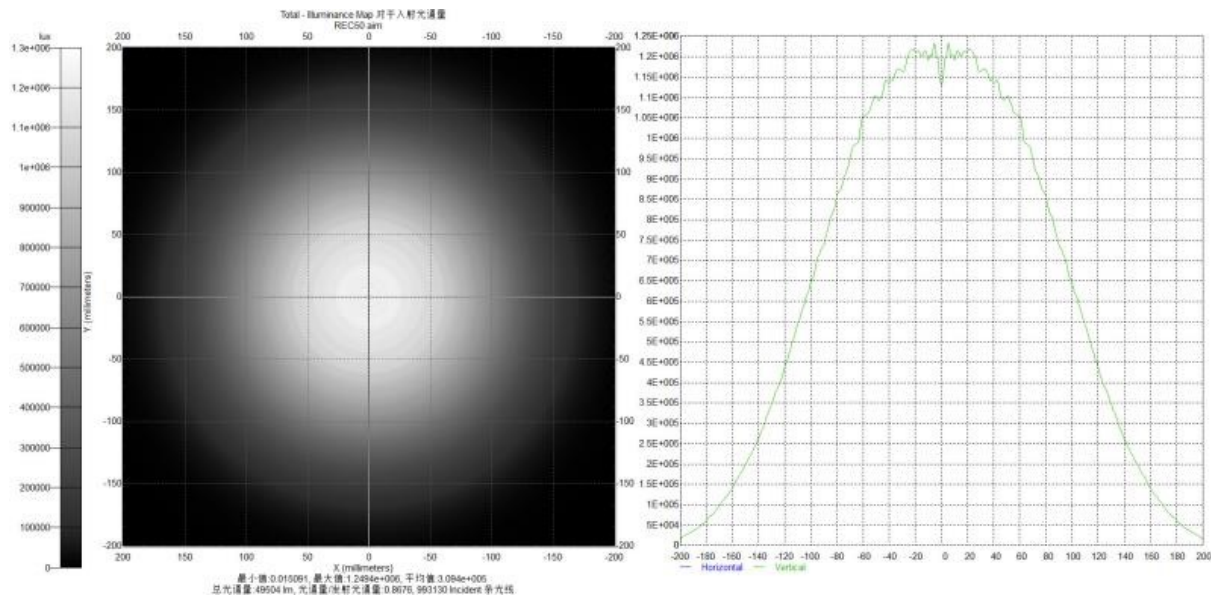
Feature:

- Constant Voltage Technology (CCT), 20 pcs per series
- The exposed Aluminum plate for heat dissipation
- Injection molding process. Waterproof:IP 65
- Bigger chip, 10% brighter than before
- Energy saving. Environment friendly
- Long life span
- Suitable for 5-10 cm 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
3SL165W	White 6500	DC12V	100mA	1,2W	165°	120Lm	-40°C-60°C	IP 65

Distribution curve:



Typical optical characteristics:

Color Parameter

Chroma Coordinate: x=0.2766 y=0.2731 u=0.1933 v=0.2862 Duv=0.0055

Chroma Coordinate: u'=0.1933 v'=0.4294

CCT.: CCT=11721K Dominant: d=475.8nm Barycenter: b=522nm Peak Wavelength: p=449.2nm

FWHM: 22.24nm Purity: Pe=25.12% Red Ratio: R=0.112 Green Ratio: G=0.83 Blue Ratio: B=0.058

Color CRI.: Ra=78.1

R 1=81	R 2=79	R 3=72	R 4=83	R 5=80	R 6=69	R 7=84
R 8=76	R 9=12	R 10=44	R 11=82	R 12=45	R 13=80	R 14=84
R 15=81						

Luminosity Parameter

Luminous Flux(380-780nm): 121.132lm Optical Power(380-780nm): 0.449W Efficient(380-780nm): 95.23lm/W

Electric Parameter

Voltage: U=12V Current: I=106mA Power: P=1.272W PF: PF=1

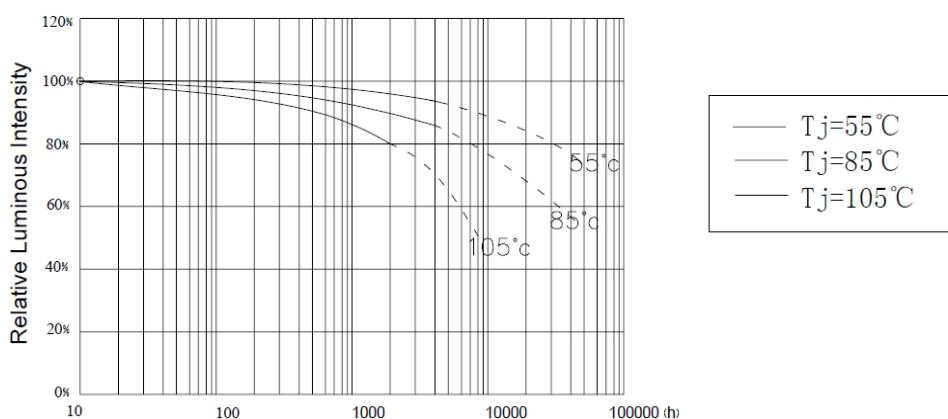
Device State

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	100	mA
Reverse voltage	Vr	5	V
Operating temperature range	Top	-20 ~+85	°C
Storage temperature range	Tstg	-35~+85	°C
Pulse forward current	Ifp	200	mA
Electrostatic discharge	ESD	2000(HBM)	V