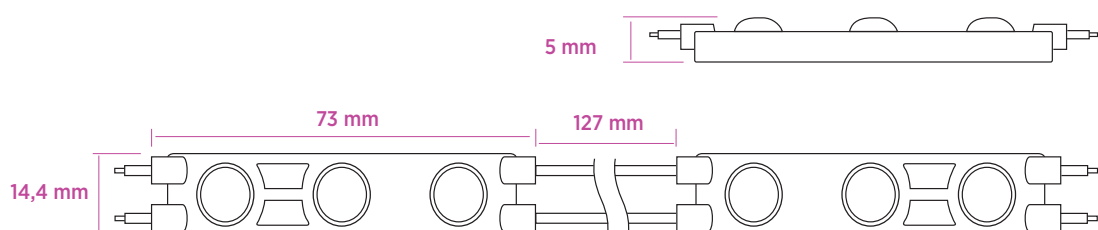




Dimension:



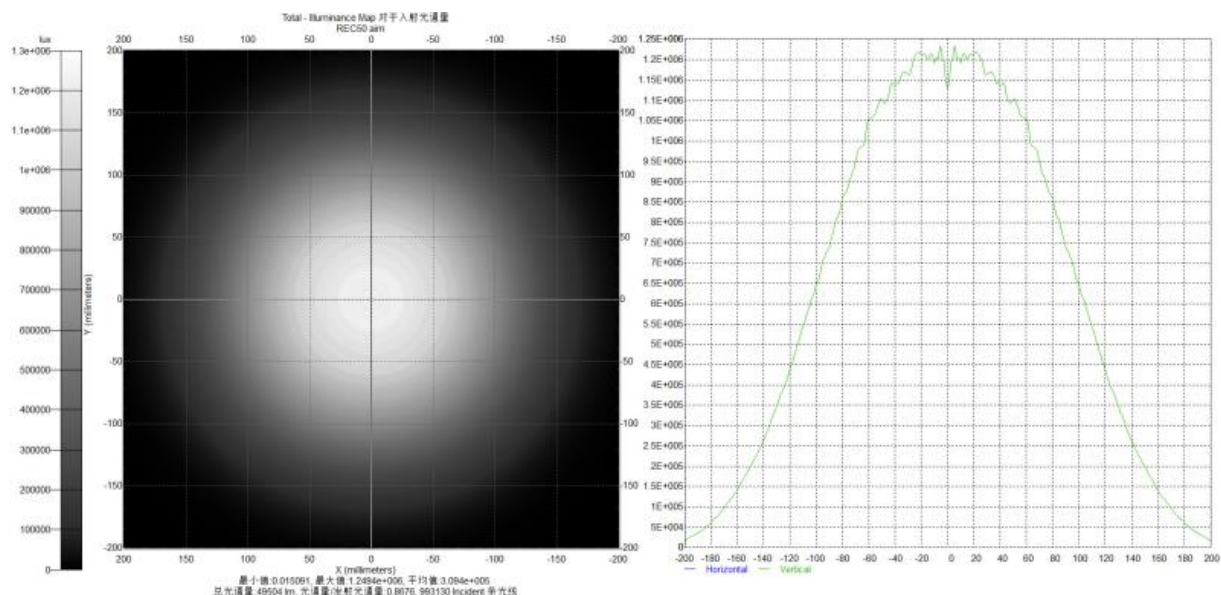
Feature:

- 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
- Long life span
- Suitable for 6-20cm height channel letters and light boxes backlighting etc

Parameter of Product:

Code	Color	"Opration Voltage"	"Rated Current"	"Rated Power"	"Beam Angle"	Luminous Flux	CCT	Working Temp.	IP Rank
3SE160W	White	DC12V	100mA	1,2W	160°	115-120Lm	2800-15000K	-40°C-60°C	IP 65

Distribution curve:



Typical optical characteristics:

CCT.:CCT=9559K Dominant: d=466.7nm Barycenter: b=532nm Peak Wavelength: p=452nm

FWHM: 21.98nm Purity:Pe=20.71% Red Ratio:R=0.133 Green Ratio:G=0.809 Blue Ratio:B=0.058

Color CRI.:Ra=82.16

R 1=86

R 2=84

R 3=73

R 4=88

R 5=83

R 6=71

R 7=88

R 8=85

R 9=46

R10=54

R11=83

R12=46

R13=85

R14=84

R15=93

Luminosity Parameter

Luminous Flux(380-780nm):116.465lm Optical Power(380-780nm):0.425W Efficient(380-780nm):97.05lm/W

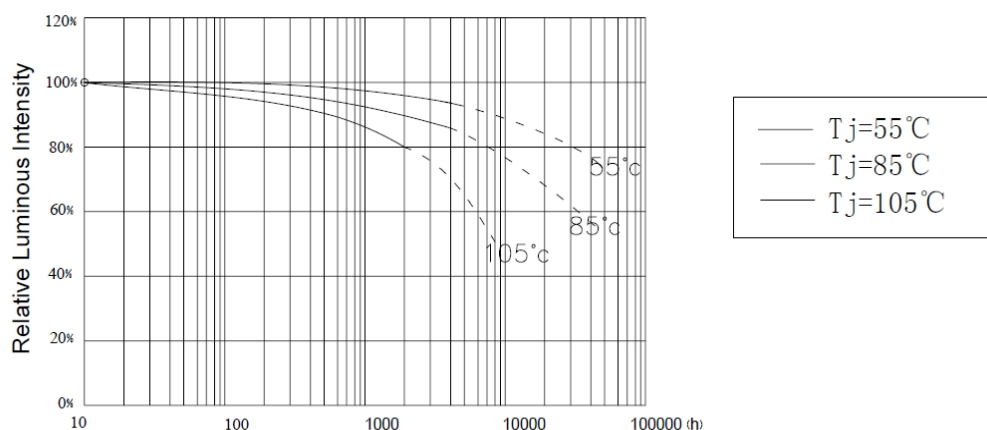
Electric Parameter

Voltage: U=12V Current: I=100mA Power: P=1.2W PF: PF=1

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
Power dissipation	Pd	1.2	W
Forward current	If	100	mA
Reverse voltage	Vr	15	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