



LED MODULES

SA 3 LED SPECTRUM(2835)

Features

- Adopt High efficiency **SAMSUNG** 2835LED Mounted.
- Constant voltage & Reverse Protection Circuit
- **DALI** Compatible.
- 175° optical lens, FROSTED TYPE of Optical Lens
- CE, UL, RoHS Certified
- 5Years Warranty

Specification

Item Code	Power(W)	Current	Dissipation(A)	CCT(K)	Module Pitch(mm)
SA 3391 G1	1.08	0.09		6500	205
SA 3391-A G2	1.08W	0.09		6500	145

Technical Characteristics

Voltage	DC12V
Luminous Flux	85lm
View Angle	175°
Colour	Pure White
IP Rating	IP67
CRI (Ra)	83+
LED Type	2835 LED
Cable	UL, 20AWG 300V/80°
Case materials	UL, ABS, HB-class
Lens materials	UL, SAN, HB-class

Certification



Temperature Ranges

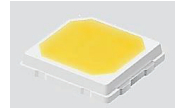
Operating temperature	-30~60°
Storage temperature	-30~70°

Warranty

Warranty	5 Years
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LED Specification

Absolute Maximum Ratings

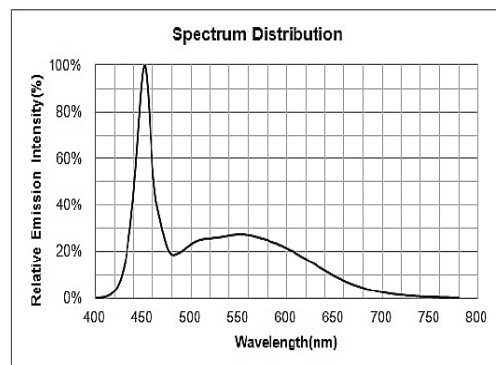


Item	Symbol	Rating	Unit	Condition
Ambient / Operating Temperature	T _a	-40 ~ +85	°C	-
Storage Temperature	T _{stg}	-40 ~ +85	°C	-
LED Junction Temperature	T _j	115	°C	-
Forward Current	I _f	160	mA	-
Peak Pulsed Forward Current	I _{fp}	300	mA	Duty 1/10, pulse width 10ms
Assembly Process Temperature	-	260 <10	°C s	-
ESD (HBM)	-	2	kV	-

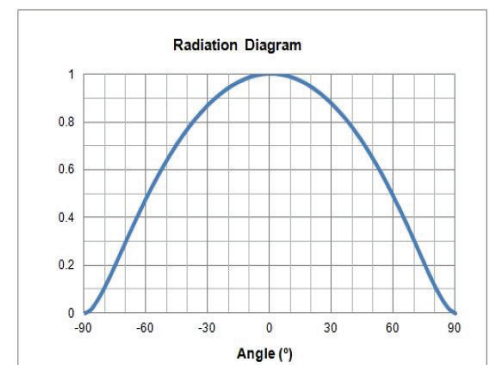
Electro-optical Characteristics (I_F =150mA, T_s=25°)

Item	Unit	Rank	Bin	Min	Typ	Max
Forward Voltage (VF)	V	WA or WK	A1	2.8	-	2.9
			A2	2.9	-	3.0
			A3	3.0	-	3.1
			A4	3.1	-	3.2
			A5	3.2	-	3.3
Color Rendering Index (Ra)	-	5	-	80	-	-
Thermal Resistance (junction to solder point)	°C/W	-	-	-	25	-
Beam Angle	°	-	-	-	120	-

Spectrum (T_s=25°)



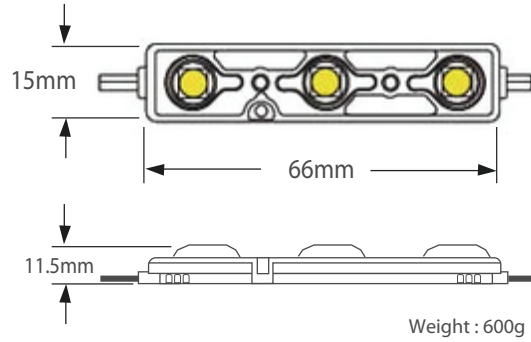
Radiation Characteristics



Physical Characteristics

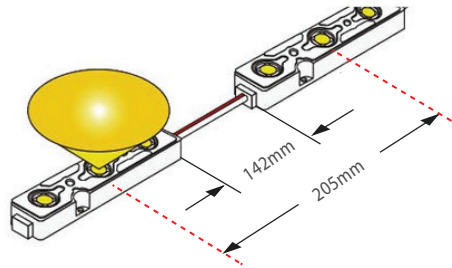
Dimensions(L*W*H)	66*15*11.5mm
Weight	600g

Profile Drawings

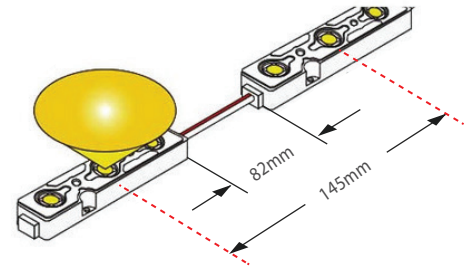


Module Layout Guides

SA 3391



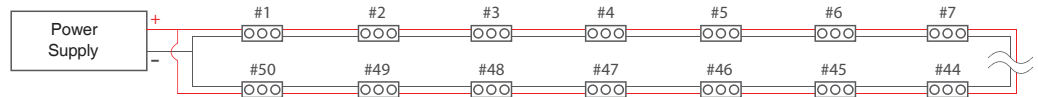
SA 3391-A



Max in series 50 EA

Single series

*Up-to 50 modules in a single series



Multiple series

*Up to 200 modules in a max series.

