



Samsung chip 3 Edge-lit High power LED module (12V)

Sunflower Series

Specifications



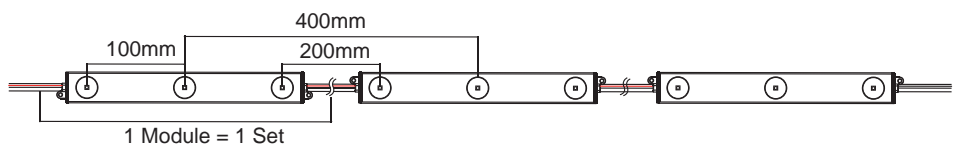
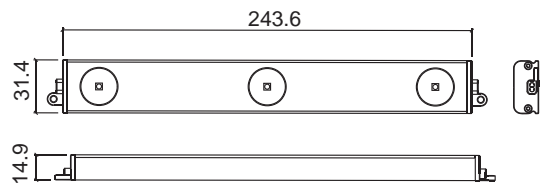
THE LIGHTING SOLUTION FOR DOUBLE-SIDED SIGN CABINET

	IP65		9W
DC12V	42,500H LIFETIME		RoHS

- Guaranteed life time up to 42,500 hours with 70% lighting output
*24 hour constant load may result less operating hours with lower lighting output. Estimated lifetime is based on normal usage of 10 hours per day.
- High powered SSC LED Lamps
- Viewing angle : 50°x9° & 44° upon request
- IP65 Rating-Prevents water & dust penetration with integrated plastic case and silicon potting on back
- Constant Current Driving system for stabilized and uniform luminous flux
- Flexible chain comprising of 6 modules

PHYSICAL

Length : 243.6mm
Width : 31.4mm
Thickness : 14.9mm
Weight : 104g
Module Pitch : 400mm



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux (lm)			CCT(Kelvin) & Dominant wave length			viewing Angle
	Min	Typical	Max	Min	Typical	Max	
Daylight White	720			6,000K	6,500K	7,000K	2θ _{1/2} 50x9
Neutral White	720			3,800K	4,000K	4,200K	50x9
Warm White	648			2,900K	3,100K	3,200K	50x9

*Viewing angle is the o axis angle from lamp centerline whter the luminous intensity is half of the peak value
*Dominant wavelength is derived from the CIE 1931 Chromaticity diagram and represents the perceived color
*Luminous Flux measuring equipment is CAS140B / *CCT 5% tester tolerance

Samsung chip 3 Edge-lit High power LED module (12V) Sunflower Series Specifications

ELECTRICAL CHARACTERISTICS Current dissipation : 700mA
Power Consumption : 9W
Quantity for maximum connection in serial : 6 modules (18 LED Lamps)
Operating power : DC 12V
IC Chip-on-board current regulation

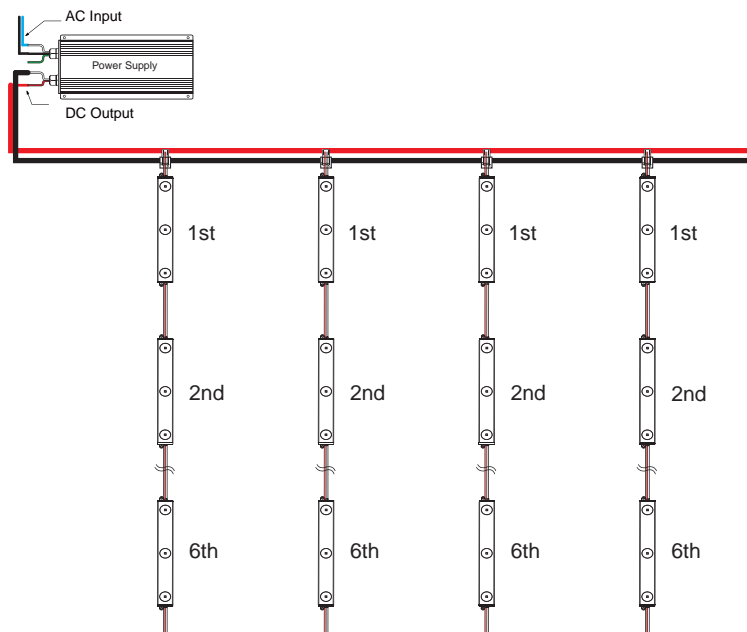
THERMAL Cooling : Aluminum heatsink
Operating temperature : -20~50°C
Storage temperature : -20~60°C

SAFETY FEATURES IP65 : Prevents water & dust penetration

CONSTRUCTION LED Lamp : High Power SSC LED Lamps
Lens : PMMA
Cover : ABS
Body : AL Extrusion
PCB : FR-4
Lead wire : AWG18

APPLICATIONS Specially good for Single or Double sided light cabinet
Bus Shelter Signage
Menu Boards
Movie Poster

WIRING GUIDE



PACKAGING Inner carton box : 12modules(5.04meter, 16.54feet)
Master carton box : 120modules(10 inner carton, 70.56meter, 231.50feet)

Specifications subject to change without notice