



MAXIM COST EFFECTIVE LIGHTING SOLUTION

IP68

1.2W

DC12V

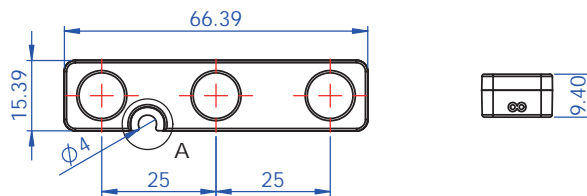
42,500H LIFETIME

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.
- Outstanding IP rating by Ultra Sonic Welding Technology
- IP68 Rating-Prevents water & dust penetration
- PC + ABS body for tough environment

PHYSICAL

Length : 66.4mm
 Width : 15.4mm
 Thickness : 9.4mm
 Weight : 14g
 Module Pitch : 150mm
 Module spacing : 83mm(2pcs per ft)



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux(lm)			CCT (Kelvin)			Viewing Angle
	Min	Typical	Max	Min	Typical	Max	2Θ _{1/2}
Cool White		100			9,500K		120
Daylight White		100			6,500K		120
Warm White		90			3,000K		120

*CRI (Color Rendering Index) for white product types is 70 / *Luminous Flux measuring equipment is CA5140B
 *Viewing angle is the off axis angle from lamp centerline where the luminous intensity is half of the peak value / *CCT 5% tester tolerance
 *Dominant wavelength is derived from the CIE 1931 Chromaticity diagram and represents the perceived color
 *Color temperature for white is strictly controlled by bin rank system and it consists of three ranks which should not be used simultaneously.

ELECTRICAL CHARACTERISTICS

Current dissipation : 100mA
 Power Consumption : 1.2W
 Operating power : DC 12V
 Quantity for maximum connection in serial : 50 modules
 Electronic dimming control supported

THERMAL

Cooling : Ambient air
 Operating temperature : -20~50°C
 Storage temperature : -20~60°C

SAFETY FEATURES

IP68 : Prevents water & dust penetration

CONSTRUCTION

LED Lamp : 2835 Package
 Body : PC + ABS
 Lead wire : 18 AWG

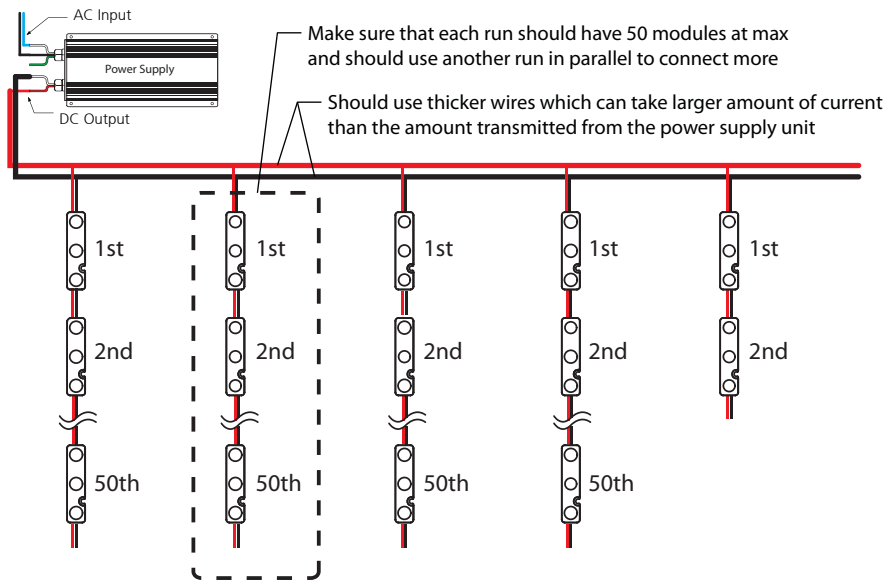
APPLICATIONS

Channel letters - open & closed cover
 Reverse halo lighting
 Border lighting
 Point-Of-Purchasing signage
 Art & sculpture and cove lighting
 Facade lighting

APPROVAL

EN 55015/A2 : 2009
 EN 61547/2009
 EN 62031/2008
 EN 62471/2006

WIRING GUIDE



PACKAGING

Anti-static transparent vinyl bag : 100modules(15.00meter, 49ft)
 Master carton box : 1500modules(225.00meter, 738ft)

Specifications subject to change without notice