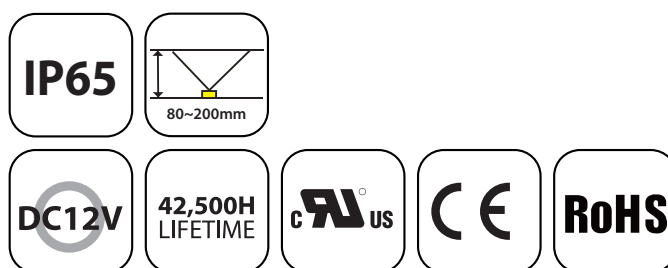




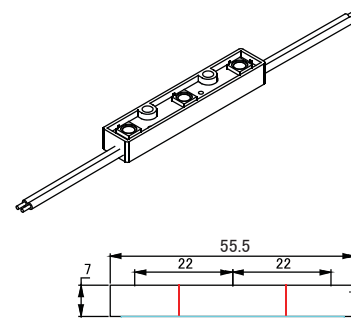
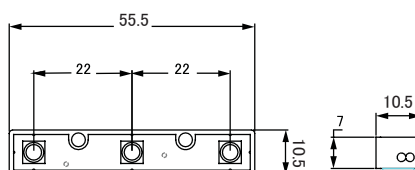
MAXIM COST EFFECTIVE LIGHTING SOLUTION



- 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.
- Uniform color temperature by strictly controlled system of bin rank
- Extremely small and light solution for low-profile channel letters, hidden recessed lighting
- 70% more energy efficiency compared to conventional sign lighting source
- Quality and reliability assured

PHYSICAL

Length : 55.5mm
Width : 10.5mm
Thickness : 7mm
Weight : 10g
Lamp Pitch : 22 mm (3 LED Lamps)
Module Pitch : 160mm



OPTICAL CHARACTERISTIC

Available Color	Luminous Flux(lm)			CCT (Kelvin) & Dominant Wave Length			Viewing Angle 2θ _{1/2}
	Min	Typical	Max	Min	Typical	Max	
Cool White	48		67	9,000K	10,000K	11,000K	120
Daylight White	48		67	5,000K	6,500K	7,000K	120
Neutral White	42		61	4,000K	4,200K	4,400K	120
Warm White	42		61	2,700K	3,000K	3,200K	120
Red	14		19	620nm		625nm	120
Green	28		38	525nm		530nm	120
Blue	6		7	455nm		460nm	120

*CRI (Color Rendering Index) for white product types is 70 / *Luminous Flux measuring equipment is CAS140B

*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 : 50mA (Colored:35mA)
 Power Consumption : 0.72W (Colored:0.42W)
 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

IP65 : Prevents water & dust penetration

CONSTRUCTION

LED Lamp : 5050 Package
 Body : ABS case filled with transparent Epoxy resin
 Lead wire : 18AWG

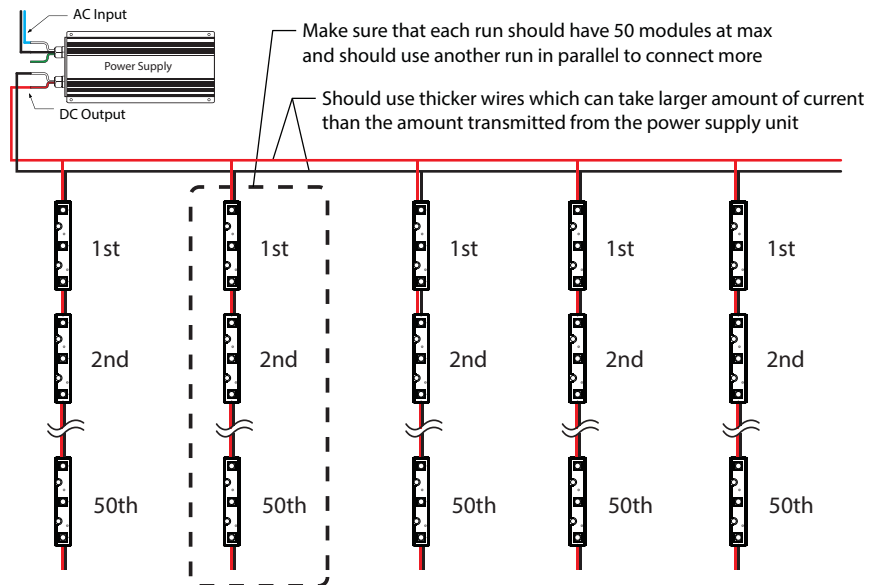
APPLICATIONS

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
 UL879 -U.S Standard for Electric Sign Components
 C22.2 No. 207-M89-Canadian Standard for Portable and Stationary Electric Signs and Displays

WIRING GUIDE



LOADING

PSCV03012(30W, IP65) : 39modules(6.24meter, 20.47feet)
 PSCV06012(60W, IP65) : 77modules(12.32meter, 40.42feet)
 PSCV12012(120W, IP65) : 155modules(24.80meter, 81.36feet)
 PSCV30012(300W, IP22) : 386modules(61.76meter, 202.62feet)
 PSCV60012(600W, IP22) : 773modules(123.68meter, 405.77feet)
 All footage based on 85% of rated capacity

PACKAGING

Anti-static gray-colored vinyl bag : 100modules(16meter, 52.49feet)
 Master carton box : 1400modules(14 vinyl bags, 224.00meter, 734.91feet)

Specifications subject to change without notice