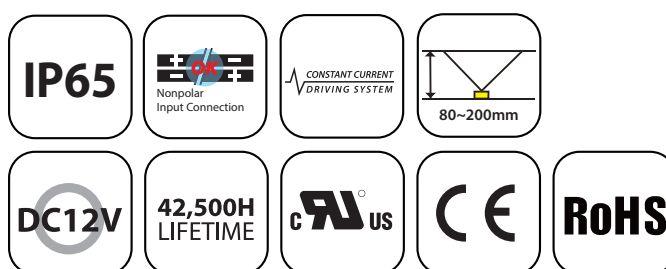




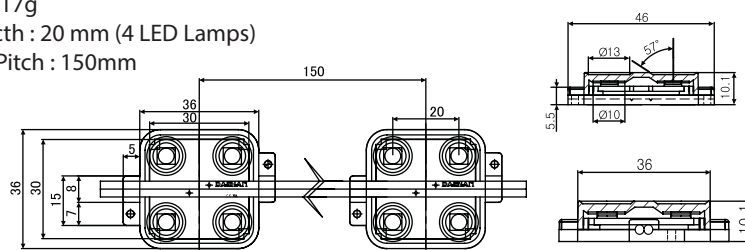
MAXIMUM COST-EFFECTIVE LIGHTING SOLUTION



- Guaranteed life time up to 42,500 hours whit 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 binning
- Transparent PC body for tough environment
- IP65 : Prevents water & dust penetration
- NonPolar Input Connection
- Light and cost-Effective solution for low-profile channel letters and confined spaces

PHYSICAL

Length : 36mm
Width : 36mm
Thickness : 10.1mm
Weight : 17g
Lamp Pich : 20 mm (4 LED Lamps)
Module Pitch : 150mm



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux(lm)			Dominant Wave Length & Color Temperature			Viewing Angle $2\Theta_{1/2}$
	Min	Typical	Max	Min	Typical	Max	
Cool White	47		65	8,300K	10,000K	11,000K	120
Daylight White	47		65	6,300K	6,700K	7,000K	120
Warm White	42		61	2,600K	2,700K	2,800K	120
Red	17		20	620nm		630nm	120
Green	36		44	525nm		535nm	120
Blue	7		8	455nm		465nm	120

*CRI (Color Rendering Index) for white product types is 70 / *Spectral width at half of the peak intensity / *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 : 110 mA
Power Consumption : 1.32 W
Operating power : DC 12V
Quantity for maximum connection in serial : 50 modules
Electronic dimming control supported
IC Chip-On-board current regulation

THERMAL

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

SAFETY FEATURES

IP65 : Prevents water & dust penetration
Nonpolar Input Connection

CONSTRUCTION

LED Lamp : 5050 Package
Body : PC(Poly Carbonate) transparent resin, 96% transparency
PCB : FR-4 fiber glass epoxy resin, quad layered
Lead wire : 18 AWG

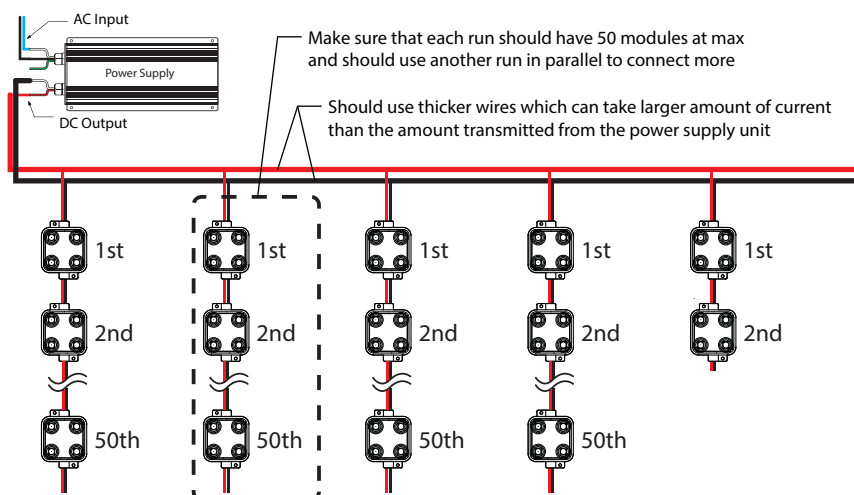
APPLICATIONS

Channel letters - open & closed cover
Reverse halo lighting
Border lighting
Point-Of-Purchasing signage
Art & sculpture and cove lighting
Replacement for conventional lighting system

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) : 19modules(2.85meter, 9.35feet)
PSCV06012(60W, IP65) : 38modules(5.70meter, 18.70feet)
PSCV12012(120W, IP65) : 77modules(11.55meter, 37.89feet)
PSCV30012(300W, IP22) : 193modules(28.95meter, 94.98feet)
PSCV60012(600W, IP22) : 386modules(57.90meter, 189.96feet)
All footage based on 85% of rated capacity

PACKAGING

Anti-static gray-colored vinyl bag : 50modules(7.50meter, 24.60feet)
Master carton box : 500modules(10 vinyl bags, 75.00meter, 246.06feet)

Specifications subject to change without notice