VERSATILE LED MODULE WITH CLEAR SHELL

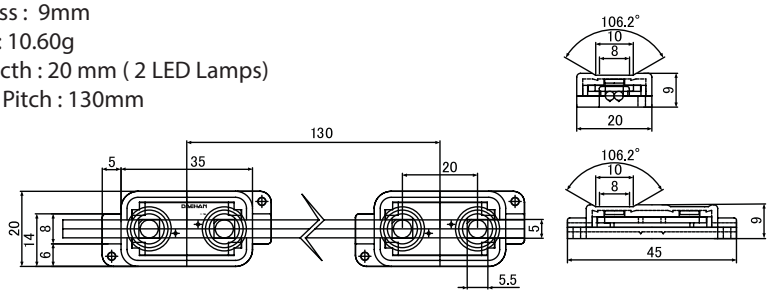
IP65 | Nonpolar Input Connection | CONSTANT CURRENT DRIVING SYSTEM | 80~200mm

DC12V | 42,500H LIFETIME | c UL us | CE | 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.
- IP 65 Rating : Prevents water & dust penetration
- Uniform color temperature by strictly controlled system of bin rank
- Transparent PC body for tough environment
- Nonpolar input connection to minimize hassles during installation
- 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 : 45mm
Width : 20mm
Thickness : 9mm
Weight : 10.60g
Lamp Picth : 20 mm (2 LED Lamps)
Module Pitch : 130mm



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux(lm)& Luminous Intensity(cd)			Dominant Wave Length & Color Temperature			Viewing Angle
	Min	Typical	Max	Min	Typical	Max	$2\Theta_{1/2}$
Cool White	24		33	8,300K	10,000K	11,000K	120
Daylight White	25		34	6,300K	6,700K	7,000K	120
Warm White	21		31	2,600K	2,700K	2,800K	120
Red	8.5		10	620nm		625nm	120
Green	18		22	525nm		530nm	120
Blue	3.5		4	455nm		460nm	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.

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ELECTRICAL CHARACTERISTICS

Current dissipation : 55mA
Power Consumption : 0.66 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

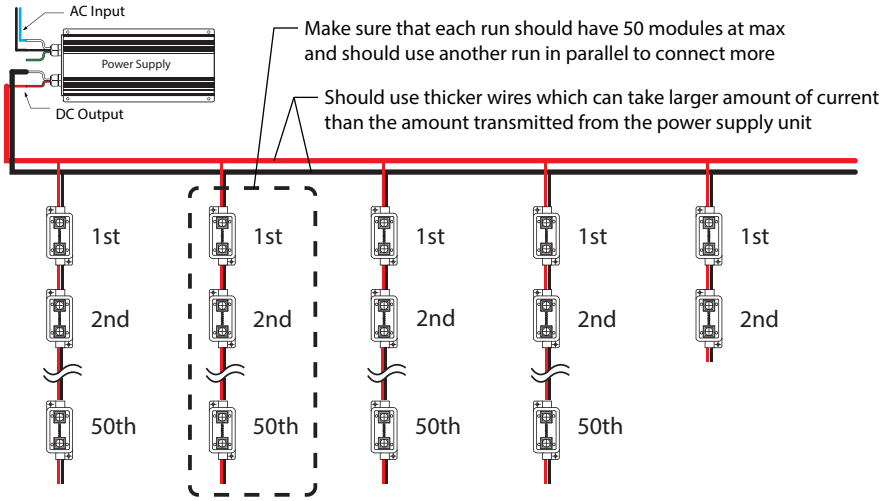
APPLICATIONS

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) : 38modules(5.70meter, 18.70feet)
PSCV06012(60W, IP65) : 77modules(11.55meter, 37.89feet)
PSCV12012(120W, IP65) : 154modules(23.10meter, 75.79feet)
PSCV30012(300W, IP22) : 386modules(57.90meter, 189.96feet)
PSCV60012(600W, IP22) : 772modules(115.80meter, 379.92feet)
All footage based on 85% of rated capactiy

PACKAGING

Anti-static gray-colored vinyl bag : 50modules(7.50meter, 24.60feet)
Master carton box : 700modules(14 vinyl bags, 105.00meter, 344.49feet)

Specifications subject to change without notice

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