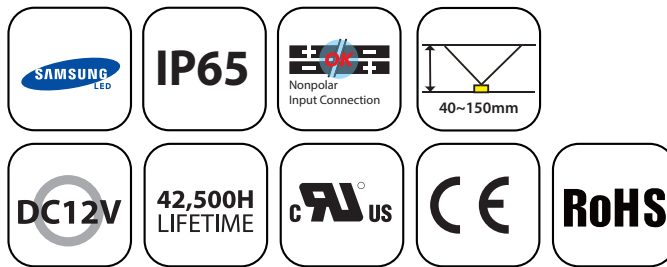


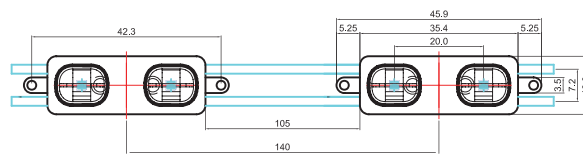
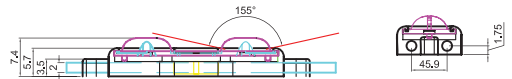
THE LED MODULES FOR LOW PROFILE SIGNAGE



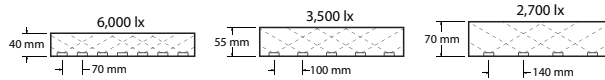
- Guaranteed life time up to 42,500 hours with 70% lighting output
*24 hour constant load may result less operating hours with lower lighting output. Estimated lifetime is based on normal usage of 10 hours per day.
- Uniform color temperature by strictly controlled bin rank system
- Extremely small and lightweight solution for low-profile channel letters
- Patented optical lens creates a wide viewing angle
- Bright, even light distribution in 40~70mm deep signage applications
- Easier installation with mounting holes and 3M adhesive tape on back.

PHYSICAL

Length : 45.9mm
 Width : 13.0mm
 Thickness : 7.4mm
 Weight : 8g
 Lamp Pitch : 20 mm (2 LED Lamps)
 Module Pitch : 140mm



RECOMMENDED PITCH PER DEPTH



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux(lm)			CCT (Kelvin)			Viewing Angle
	Min	Typical	Max	Min	Typical	Max	2θ _{1/2}
Daylight White	35	37	40	5,800K	6,100K	6,400K	155
Warm White	25	26	28	2,700K	2,850K	3,000K	155

*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 : 60mA
 Power Consumption : 0.72W
 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
 Nonpolar Input Connection

CONSTRUCTION

LED Lamp : Single-Die chip, 2323 sized
 Lens and Body : PC transparent resin, 96% transparency
 PCB : FR-4 fiber glass epoxy resin, double-layered
 Lead wire : 18 AWG
 Pre-mounted 3M adhesive tapes and M2 screwing hole

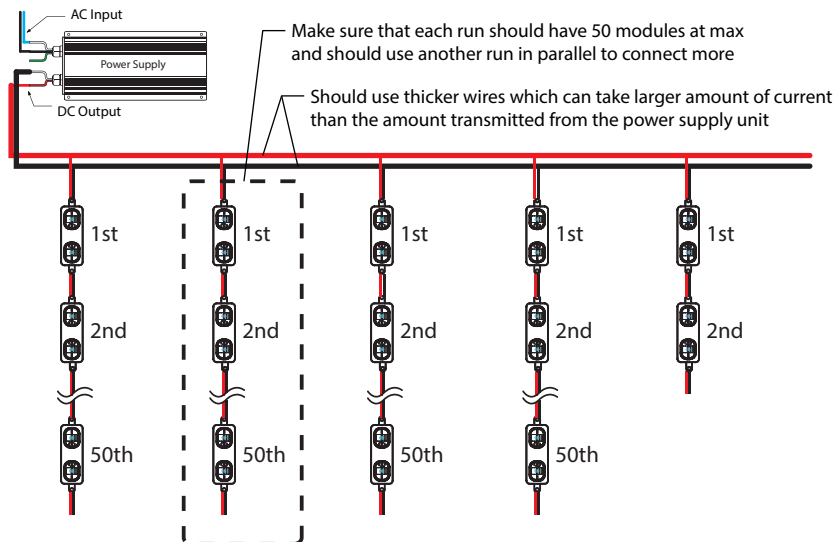
APPLICATIONS

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

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) : 32modules(4.48meter, 14.70feet)
 PSCV06012(60W, IP65) : 64modules(8.96meter, 29.40feet)
 PSCV12012(120W, IP65) : 128modules(17.92meter, 58.80feet)
 PSCV30012(300W, IP22) : 320modules(44.80meter, 147.00feet)
 PSCV60012(600W, IP22) : 640modules(89.60meter, 294.00feet)
 All footage based on 85% of rated capacity

PACKAGING

Anti-static gray-colored vinyl bag : 100modules(14meter, 45.92feet)
 Master carton box : 1500modules(15 vinyl bags, 168.00meter, 551.18feet)

Specifications subject to change without notice