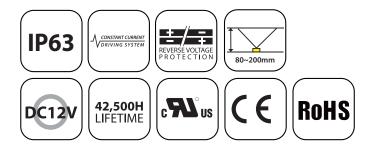


ULTRA THIN BAR-TYPE LED MODULES



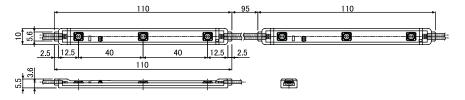
- · Guaranteed lifetime up to 42,500 hours with 70% lighting output *24 hour constant load may result less operating hours with lower lighting output. Estimated lifetime is based on normal usage of 10 hours per day.
- · Uniform color temperature by strictly controlled system of bin rank
- $\cdot \ Transparent \ PVC \ body \ for \ tough \ environment$
- · Reverse voltage protection to minimize hassles during installation
- · Extremely small and light solution for low-profile channel letters, indoor
- \cdot 70% more energy efficiency compared to conventional sign lighting source
- · Quality and reliability assured

PHYSICAL

Length: 110mm Width: 10mm Thickness: 5.5mm Weight: 10g

Lamp Picth: 40 mm (3 LED Lamps)

Module Pitch: 205mm



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux(lm)				CCT (Kelvin) & Dominant Wave Length		
	Min	Typical	Max	Min	Typical	Max	2⊖½
Cool White	45		60	9,000K 10	0,000K	11,000K	120
Daylight White	45		60	5,000K 6	5,500K	7,000K	120
Neutral White	42		56	4,000K	4,200K	4,400K	120
Warm White	42		56	2,700K	3,000K	3,200K	120
Red	14		19	623nm		628nm	120
Green	28		38	525nm		530nm	120
Blue	6		7	455nm		465nm	120





[&]quot;CRI (Color Rendering Index) for white product types is 70 / *Luminous Flux measuring equipment is CAS1408
"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.

Specifications

STAR C0340

ELECTRICAL CHARACTERISTICS

Current dissipation: 50mA(white, and warm white), 38mA(red, green, and blue) Power Consumption: 0.60W(white, and warm white), 0.46W(red, green, and blue)

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 Reverse voltage protection

CONSTRUCTION LED Lamp: 5050 Package

Body: PVC(Polyvinyl Chloride) transparent resin, 96% transparency

PCB: FR-4 fiber glass epoxy resin, quad layered

Lead wire: 20AWG

APPLICATIONS Channel letters - closed cover

Reverse halo lighting Border lighting

Point-Of-Purchasing signage Art & sculpture and cove lighting

Facade lighting

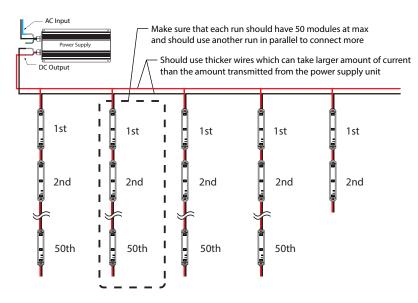
APPROVAL EN 55015/A2:2009

EN 61547/2009 EN 62031/2008 EN 62471/2006

UL879 - U.S Standard for Electric Sign Components

 ${\tt C22.2\ No.\ 207-M89-Canadian\ Standard\ for\ Portable\ and\ Stationary\ Electric\ Signs\ and\ Displays\ Portable\ Portabl$

WIRING GUIDE



LOADING PSCV03012(30W, IP65) : 43modules(8.82meter, 28.94feet)

PSCV06012(60W, IP65): 85modules(17.43meter, 57.19feet)
PSCV12012(120W, IP65): 170modules(34.85meter, 114.34feet)
PSCV30012(300W, IP22): 425modules(87.13meter, 285.86feet)
PSCV60012(600W, IP22): 850modules(174.25meter, 571.69feet)

All footage based on 85% of rated capactiy

PACKAGING Anti-static gray-colored vinyl bag: 50modules(10.25meter, 33.63feet)

Master carton box: 800modules(16 vinyl bags, 164.00meter, 538.06feet)

Specifications subject to change without notice



