

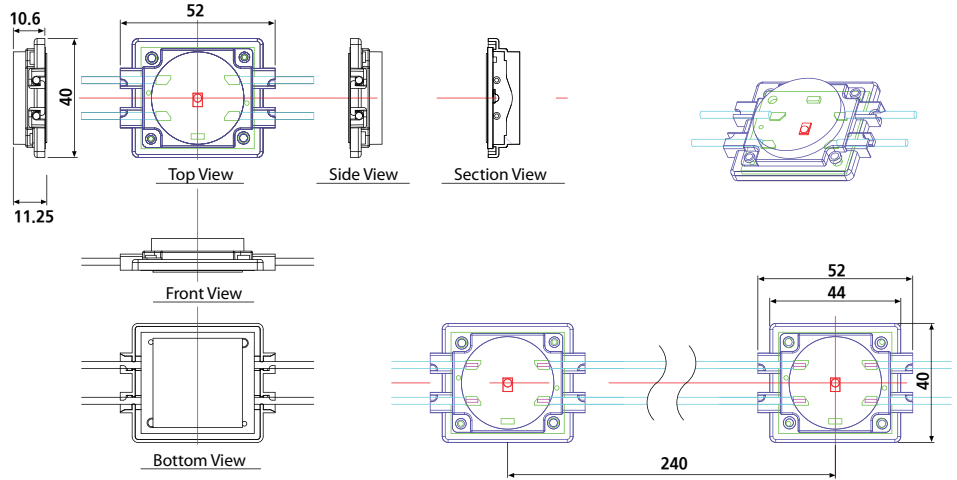
HIGH POWER LED MODULE FOR LARGE SCALE APPLICATION

The WIDE L150 is fabricated with optical lens which helps to makes 150° of viewing angle which is perfect for people who seeks for high power led module with less power consumption for large scale applications. Its consistant white color temperature with specially designed optical lens provides highly reliable lighting source to be used for outdoor lighting, not only for signs. With output of 90LPW, lumen per watt, the WIDE L150 is clearly visible from far distance and even in daylight, making it is highly suitable for large-scale application and outdoor productions. Reliable Lumileds power led has mounted for its most powerful illuminance. Key features of developemnt is may reducing number of modules in requiring around 1/4 at the same space of installation compare to existing low-middle powered led modules. No need to say, you may save your labor cost very dramatically. You will realize what the word outstanding should mean when you see them on.

- Guaranteed life time up to 50,000 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.
- High power Philips Lumileds LED lamp-REBEL Series
- Viewing angle : 150°
- IP65 Rating-Prevents water & dust penetration with integrated Silicon resin case and silicon potting on back
- Constant Current Driving system for stabilize uniform luminous flux
- Flexible chain comprising 15 modules
- May be cut every units with desired length
- Fully integrated heat sink
- Definitely better application efficiency compare to general mid-powered led modules

PHYSICAL

Length : 52mm
 Width : 40.5mm
 Thickness : 11.2mm
 Weight : 25g
 Module Pitch : 240mm



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux (lm)			CCT(Kelvin) & Dominant wave length			Viewing Angle
	Min	Typical	Max	Min	Typical	Max	2 $\Theta_{1/2}$
Daylight White	160	170	180	6,000K	6,500K	7,000K	150
Warm White	100	110	120	2,600K	2,700K	2,900K	150
Red	70	95	120	618nm		632nm	150
Green	120	160	200	518nm		535nm	150
Blue	42	56	70	453nm		475nm	150

*Viewing angle is the off axis angle from lamp centerline where the luminous intensity is half of the peak value
 *Dominant wavelength is derived from the CIE 1931 Chromaticity diagram and represents the perceived color
 *Luminous Flux measuring equipment is CAS140B / *CCT 5% tester tolerance

ELECTRICAL CHARACTERISTICS

Current dissipation : 650mA
 Power Consumption : 2W
 Quantity for maximum connection in serial : 15 modules
 Quantity for minimum connection in serial : 4 modules
 Constant current driver required for running

THERMAL

Cooling : Aluminum heatsink & Ambient air
 Maximum operating temperature : 50°C
 Minimum operating temperature : -10°C
 Maximum storage temperature : 60°C
 Minimum storage temperature : -20 C

SAFETY FEATURES

IP65- Prevents water & dust penetration

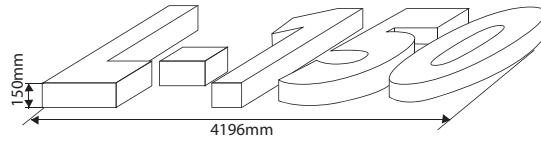
CONSTRUCTION

LED Lamp : Seoul Semi Conductor(SSC)/Philips Lumileds(Rebel Series)
 Lens : PMMA
 PCB : Intergrated Metallic PCB
 Body : Silicone transparent resin , 96% transparency
 Lead wire : Silicon Wire, 240mm both sides
 Pre-mounted 3M adhesive tapes and M2 screwing hole

APPLICATIONS

Specially good for ;
 Large Scale Channel letters - open & closed cover
 Flex faced cabinet Illumination
 Duplex Signage Light lillumination
 Signage and illuminated advertising with depth, more than 120mm

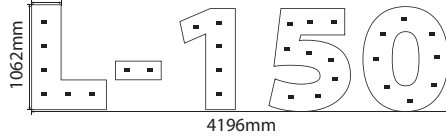
FACT FROM COMPARISON FOR CHANNEL LETTER



DIMENSION OF CHANNEL LETTER

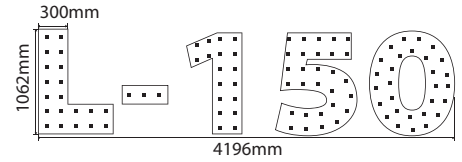
COVER : LIGHT DIFFUSION POLY CARBONATE
 LENGTH : 4196mm
 WIDTH : 1062mm
 DEPTH : 150mm

WIDE L150



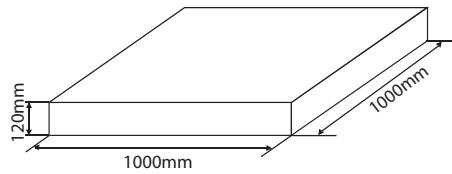
Module Pitch	Q'ty	Power Consumption
240mm	30pcs	60

4 PIN MIDDLE POWERED LED MODULE



Module Pitch	Q'ty	Power Consumption
150mm	99pcs	113

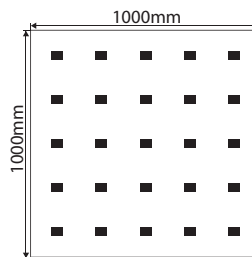
FACT FROM COMPARISON FOR SIGN CABINET



DIMENSION OF SIGN CABINET

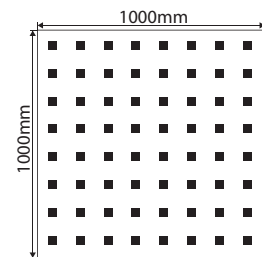
COVER : LIGHT DIFFUSION POLY CARBONATE
 LENGTH : 1000mm
 WIDTH : 1000mm
 DEPTH : 120mm

WIDE L150



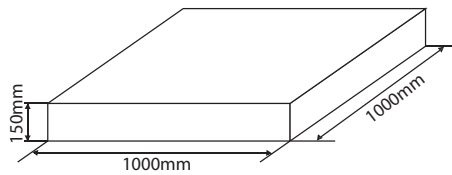
Module Pitch	Q'ty	Power Consumption	lm/W
200mm	25pcs	50W	90

4 PIN MIDDLE POWERED LED MODULE



Module Pitch	Q'ty	Power Consumption	lm/W
120mm	64pcs	73W	77

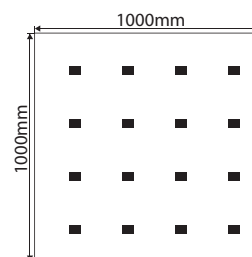
FACT FROM COMPARISON FOR SIGN CABINET



DIMENSION OF SIGN CABINET

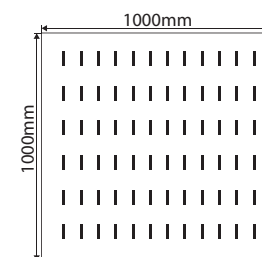
COVER : LIGHT DIFFUSION POLY CARBONATE
 LENGTH : 1000mm
 WIDTH : 1000mm
 DEPTH : 150mm

WIDE L150



Module Pitch	Q'ty	Power Consumption	Luminous Flux(lx)
240mm	16pcs	32W	2600

3 PIN MIDDLE POWERED LED MODULE

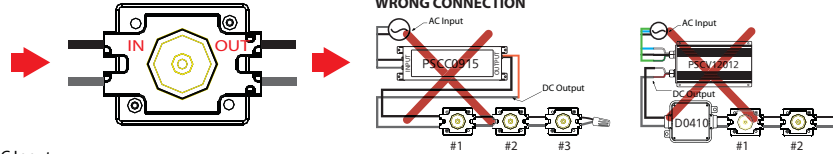


Module Pitch	Q'ty	Power Consumption	Luminous Flux(lx)
160mm	72pcs	44W	3000

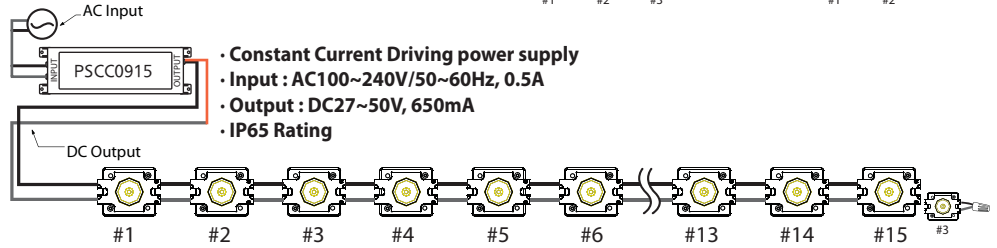
WIRING GUIDE



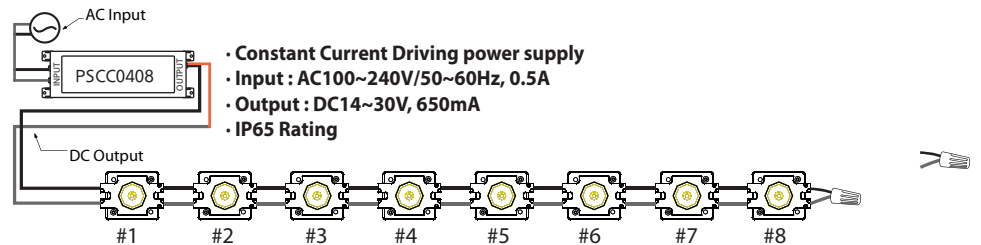
- Make sure that each run should have 15 modules at max and should use another run in parallel to connect more
- **MAKE SURE THAT EACH RUN SHOULD HAVE A SHORT CIRCUIT ON ENDS OF STRING,** described in following wiring example
- May run with CONSTANT CURRENT POWER SUPPLY, consult with supplier about wiring and proper capacity of Constant current power supply for desired loads.
- Constant current driver is also optional when you have a Constant voltage power supply. Consult with supplier wiring and proper capacity of constant current driver for desired loads.
- **DO NOT LOAD LESS THAN 4MODULES IN A SYSTEM. WON'T BE WORKING.**
- End of each run should be created short circuit.
- Be sure to confirm IN& OUT, marked on PCB for proper rejoining after cutting unit.



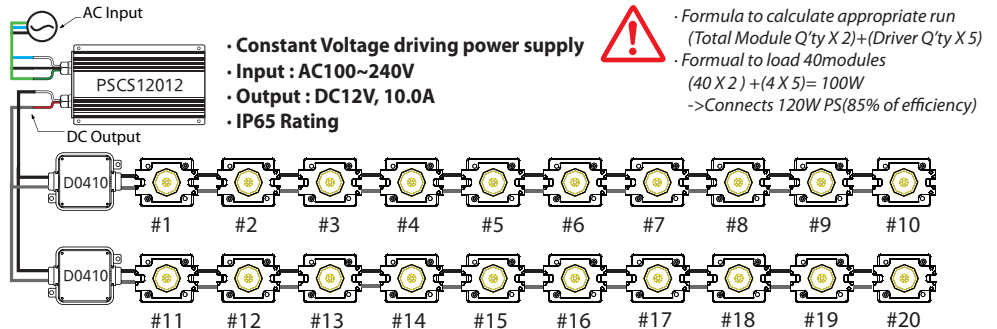
CONSTANT CURRENT POWER SUPPLY (PSCC0915)



CONSTANT CURRENT POWER SUPPLY (PSCC0408)



CONSTANT VOLTAGE POWER SUPPLY



FEATURES

PHILIPS LUMILEDS  IP65 50,000H LIFETIME

LOADING

PSCV03012(30W, IP65) : 13modules(3.12meter, 10.24feet)
 PSCV06012(60W, IP65) : 26modules(6.24meter, 20.47feet)
 PSCV12012(120W, IP65) : 51modules(12.24meter, 40.16feet)
 PSCV30012(300W, IP22) : 128modules(30.72meter, 100.79feet)
 PSCV60012(600W, IP22) : 255modules(61.20meter, 200.79feet)
 All footage based on 85% of rated capacity

PACKAGING

Anti-static gray-colored vinyl bag : 100modules(12meter, 39.37feet)
 Master carton box : 1400modules(14 vinyl bags, 168.00meter, 551.18feet)

Specifications subject to change without notice