



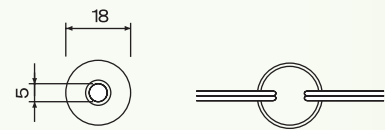
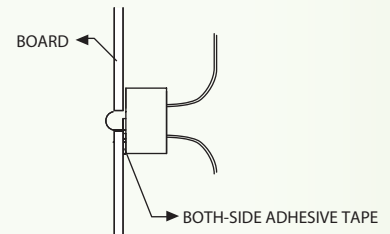
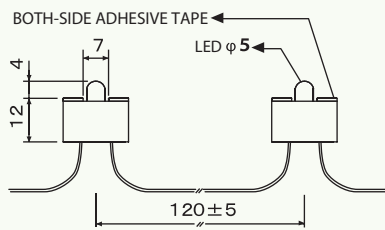
**EASY-INSTALL RECESSED MOUNTING LED MODULES**

DOT is a recess mounting point LED light and it consumes very low DC12V power at 0.24W per module. Its narrow and bright light beam can be seen from far that it is highly recommended for point-of-sale lighting, recess mounted wall lighting and floor point lighting at malls, retail stores, arcades or any place requires people’s attention.

- IP65 weather proof system
- Uniform color temperature by strictly controlled system of bin rank
- Reverse voltage protection to minimize hassles during installation
- Extremely small and light solution

**PHYSICAL**

Dimension : 18φmm X 12mm  
 Module Pitch : 125mm (20mm Min.)  
 Weight: 5g  
 LED Lamp Diameter : 5mm



**OPTICAL CHARACTERISTICS**

Available Color	Luminous Flux (lm)			Dominant Wave Length & Color Temperature			Viewing Angle 2θ <sub>1/2</sub>
	Min	Typical	Max	Min	Typical	Max	
White		2			9,000K		30
Warm White		3			3,500K		30
Red		1		620nm	625nm	630nm	30
Green		4		515nm	520nm	525nm	30
Blue		1		455nm	460nm	465nm	30

\*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 : 20 mA  
 Power Consumption : 0.24 W  
 Operating power : DC 12V  
 Quantity for maximum connection in serial : 50 modules  
 Electronic dimming control supported  
 Constant current drive  
 Reverse voltage protection

### THERMAL

Cooling : Ambient air  
 Maximum operating temperature : 60°C (140°F)  
 Minimum operating temperature : -25°C (-13°F)  
 Maximum storage temperature : 60°C (140°F)  
 Minimum storage temperature : -30 C (-22 F)

### SAFETY FEATURES

IP65 : Prevents water & dust penetration.  
 Reverse voltage protection : Device will prevent incoming power source on improper input connection

### CONSTRUCTION

White LED Lamp : Superflux LED lamp  
 Color LED Lamp : Superflux LED lamp  
 Body : PVC filled with white epoxy resin  
 PCB : FR-4 fiber glass epoxy resin, quad layered  
 Lead wire : 22 AWG

### APPLICATIONS

Border lighting  
 Point-Of-Purchasing signage  
 Wall point lighting

### APPROVAL

EN 55015/A2 : 2009  
 EN 61547/2009  
 EN 62031/2008  
 EN 62471/2006



### FEATURES

**42,500H**  
LIFETIME

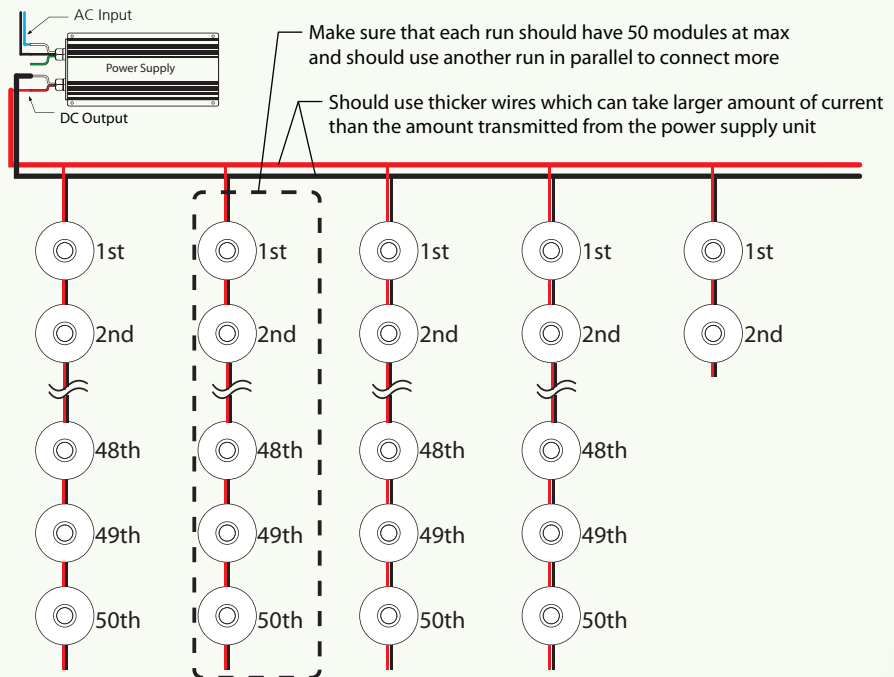
**IP65**

CONSTANT CURRENT  
DRIVING SYSTEM



**DC12V**

### WIRING GUIDE



Specifications subject to change without notice