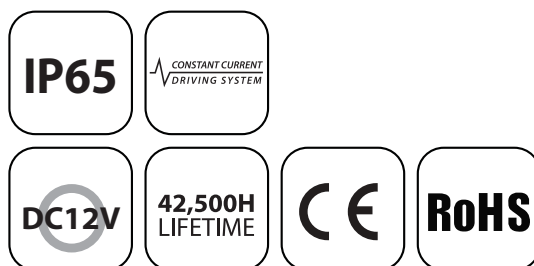




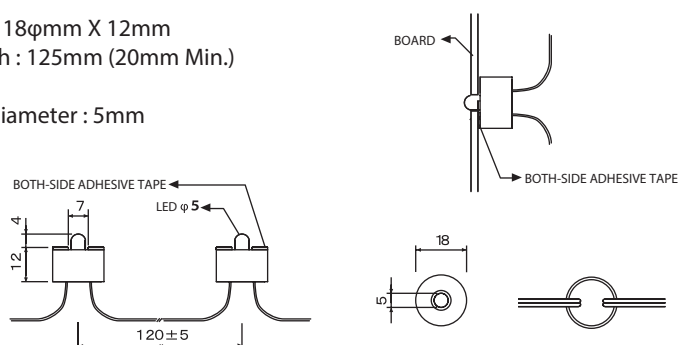
EASY-INSTALL RECESSED MOUNTING LED MODULES



- 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 _{1/2}
	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
 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

CONSTRUCTION

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

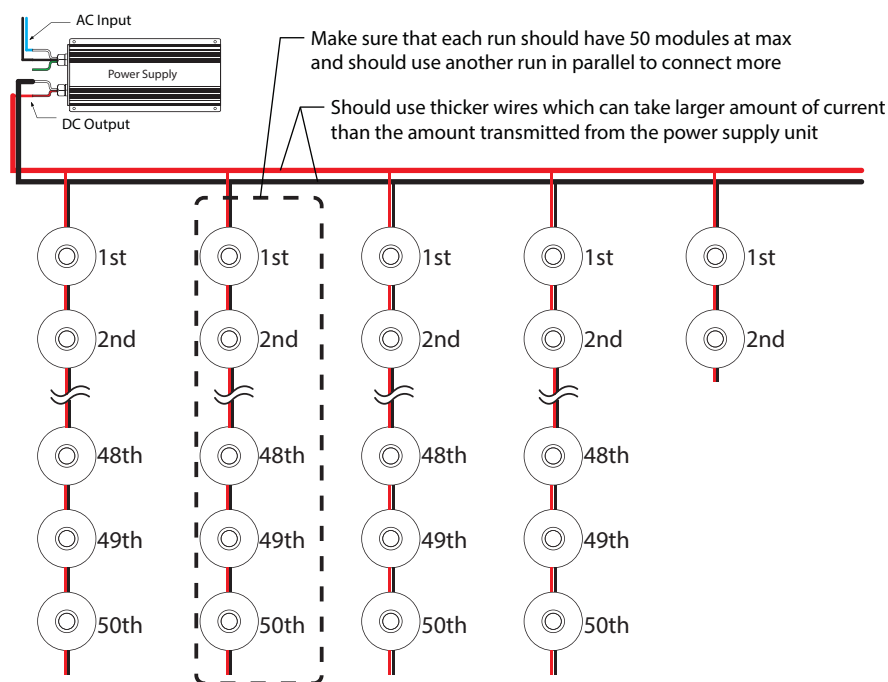
APPLICATIONS

Border lighting
 Point-Of-Purchasing signage
 Wall point lighting

APPROVAL

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

WIRING GUIDE



Specifications subject to change without notice