



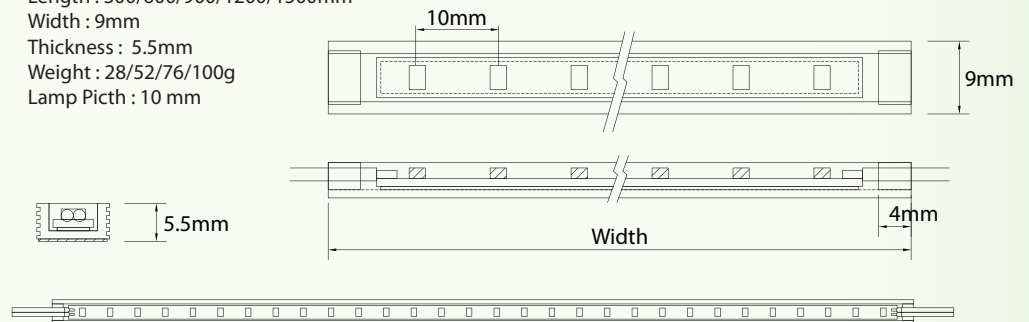
COST-EFFECTIVE SOLUTION FOR LINEAR LIGHTING

The SLIM series is a solid state LED strip bar fabricated with aluminum heat sink to maximize its lifetime. Using aluminum heat sink with thermal tape efficiently dissipates heat generated by LED lamps. Its light and slim profile allows them to be installed inside the frames of lighting panels. It is small and compact but its balanced structure provides excellent performance compared to other LED strips. It uses cost-effective 24V power input and operates at low temperature which makes them perfect for lighting panels and also for everyday lighting applications.

- 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.
- IP65 weather proof system
- Uniform color temperature by strictly controlled system
- Aluminum heat sink with transparent resin efficiently dissipates heat generated by LED lamps
- Efficiently balanced structure
- Extremely small and light solution for low-profile lighting panels
- Indirect lighting solution for commercial use.

PHYSICAL

Length : 300/600/900/1200/1500mm
 Width : 9mm
 Thickness : 5.5mm
 Weight : 28/52/76/100g
 Lamp Pitch : 10 mm



OPTICAL CHARACTERISTICS

Model	Illuminance (lux)			Color Temperature (Kelvin)			Viewing Angle $2\Theta_{1/2}$
	Min	Typical	Max	Min	Typical	Max	
SLIM 030	127	141	155	8,000K		11,000K	120
SLIM 060	254	283	311	8,000K		11,000K	120
SLIM 090	382	424	466	8,000K		11,000K	120
SLIM 120	509	565	622	8,000K		11,000K	120
SLIM 150	636	707	777	8,000K		11,000K	120

*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.

*Available colors : warm white, red, green, blue

ELECTRICAL CHARACTERISTICS

Model	Current Dissipation	Power Consumption	Operating Power	Maximum Serial Connection
SLIM 030	90mA	2.16W	DC24V	10EA (3 Meters)
SLIM 060	180mA	4.32W	DC24V	5EA (3 Meters)
SLIM 090	270mA	6.48W	DC24V	3EA (3 Meters)
SLIM 120	360mA	8.64W	DC24V	2EA (3 Meters)
SLIM 150	450mA	10.8W	DC24V	2EA (3 Meters)

Electronic dimming control supported

THERMAL

Cooling : AL Heatsink, 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

CONSTRUCTION

White LED Lamp : Single-Die chip, 3528, Top view
 Color LED Lamp : Double-Die chip, 3528, Top view
 PCB : FR-4
 Protective resin : transparent epoxy resin
 Number of LED lamps per 300mm : 30 lamps
 Heat sink : Extruded aluminum 6063
 Lead wire : 22 AWG

APPLICATIONS

Panel lighting
 Linear lighting
 Border lighting
 Point-Of-Purchasing signage
 Art & sculpture and cove lighting
 Replacement for conventional lighting system
 Maximum output white

APPROVAL

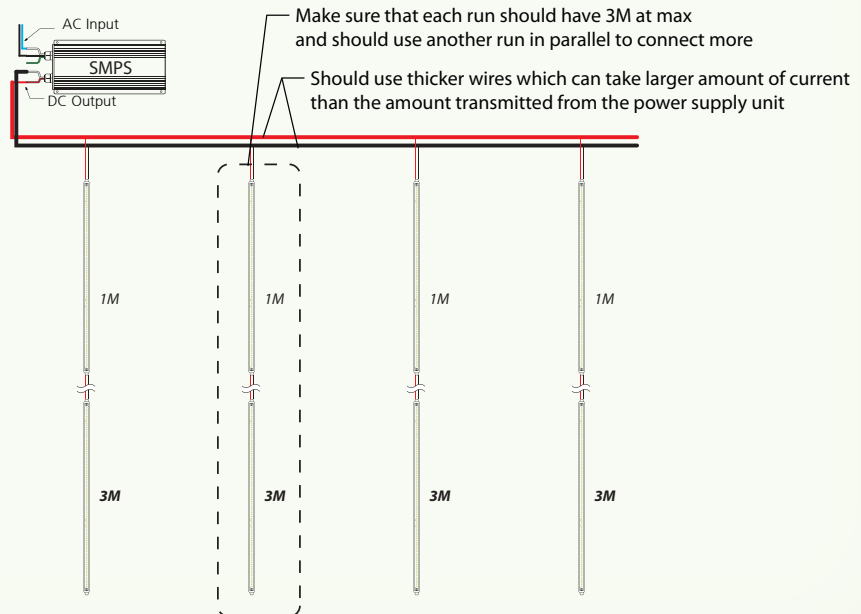
EN 55015/A2 : 2009
 EN 61547/2009
 EN 62031/2008
 EN 62471/2006



FEATURES



WIRING GUIDE



Specifications subject to change without notice