



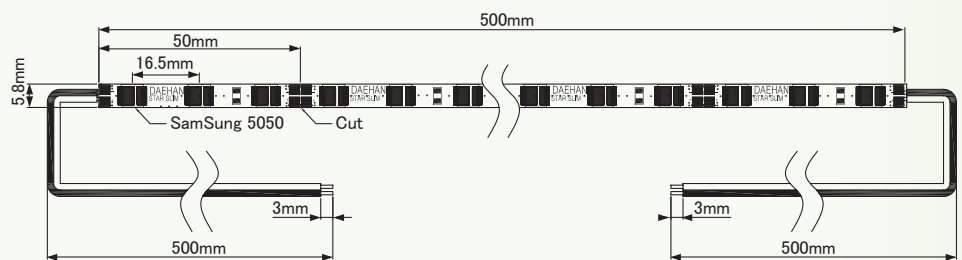
RIGID LED BAR BASED SAMSUNG LED

The SLIM N050 is a solid state LED strip bar fabricated with quad layered PCB to maximize its lifetime. Using reliable LED lamps from Samsung makes ensuring its max lifetime as supplier guaranteed. Its light and slim profile allows them to be installed inside the frames of lighting panels and shelves on shop fitting. It is small and compact but its balanced structure provides excellent performance compared to other LED strips. It uses cost-effective 12V power input and operates at low temperature which makes them perfect for everyday lighting applications. Cut every three LEDs to fit in any space. Luminous intensity is excellent by comparison to other products.

- 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
- Efficiently balanced structure
- Extremely small and light solution for low-profile lighting panels
- Energy efficient
- Easy on-site installation
- Can be cut and rejoined every 3 LED lamps

PHYSICAL

Length : 500/1,000mm
 Width : 5.8mm
 Thickness : 3mm
 Weight : 28/56g
 Lamp Picth : 16.5 mm



OPTICAL CHARACTERISTICS

Model	Luminous Intensity (lm)			Color Temperature (Kelvin)			Viewing Angle 2θ _{1/2}
	Min	Typical	Max	Min	Typical	Max	
SLIM N050/100 CW	500/1000	560/1120	610/1220	9,000K	10,000K	11,000K	120
SLIM N050/100 DW	500/1000	560/1120	610/1220	5,000K	6,500K	7,000K	120
SLIM N050/100 WW	470/940	530/1060	580/1160	2,700K	3,000K	3,200K	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 : red, green, blue

PHYSICAL

Model	Current Dissipation	Power Consumption	Operating Power	Maximum Serial Connection
SLIM N050	550mA	6.60W	DC12V	2EA (1 Meter)
SLIM N100	1,100mA	13.20W	DC12V	1EA (1 Meter)

Electronic dimming control supported

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

Non-weatherproof : Ideal for Indoor Application

CONSTRUCTION

White LED Lamp : Single-Die chip, 5252
 PCB : FR-4
 Number of LED lamps per unit : 30/60

APPLICATIONS

Panel lighting
 Linear lighting
 Border lighting
 Point-Of-Purchasing signage
 Art & sculpture and cove lighting
 Replacement for conventional lighting system
 Shop Fitting

APPROVAL

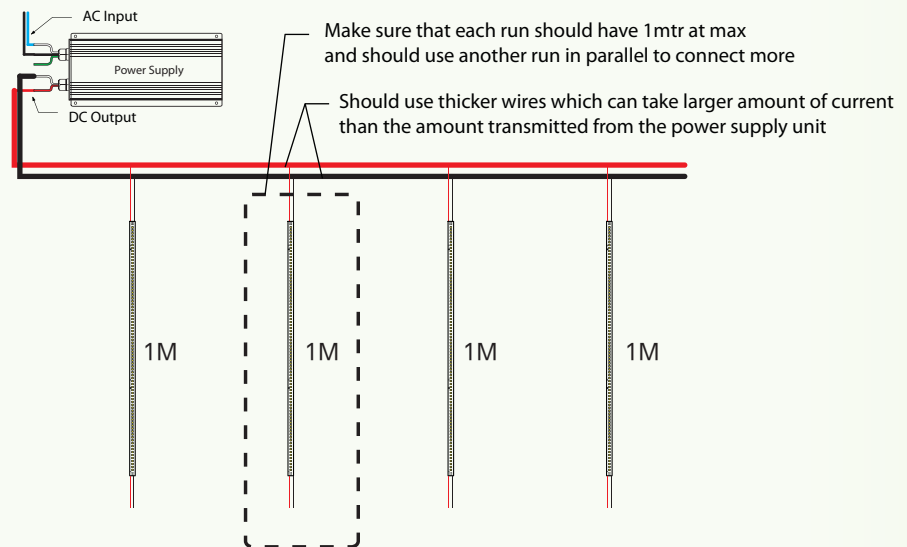
EN 55015/A2 : 2009
 EN 61547/2009
 EN 62031/2008
 EN 62471/2006



FEATURES



WIRING GUIDE



Specifications subject to change without notice