



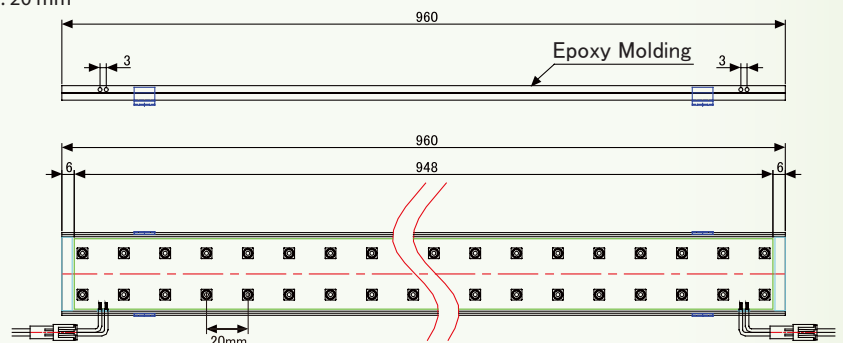
BRILIANT SOLUTION FOR LINEAR LIGHTING

The BAR D series is a double lined 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. It is also brilliant solution on easy on-site installation with provided mounting clip and extruded wire connector from side of body which is ideal solution for keeping same pitch of LED lamps when you work out for long distance of linear lighting. It is low-depth and compact but its balanced structure provides excellent performance compared to other LED Bars. 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
- Easy on-site installation

PHYSICAL

Length : 060/120/240/480/960mm
 Width : 41mm
 Thickness : 9.5mm
 Weight : 29/56/107/218/432g
 Lamp Pitch : 20 mm



OPTICAL CHARACTERISTICS

Model	LUMINOUS FLUX (lm)			Color Temperature (Kelvin)			Viewing Angle
	Min	Typical	Max	Min	Typical	Max	
BAR D 960		1,256			2,700K		2 $\Theta_{1/2}$
BAR D 480		628			2,700K		120
BAR D 240		314			2,700K		120
BAR D 120		157			2,700K		120
BAR D 060		78.5			2,700K		120

*CRI (Color Rendering Index) for white product types is 70 / *Spectral width at half of the peak intensity / *Luminous Flux
 *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 : cool/daylight white, red, green, blue**

ELECTRICAL CHARACTERISTICS

Model	Current Dissipation	Power Dissipation	Operating Power	Max Serial Connection
BAR D 960	800mA	19.2W	DC24V	2.4 Meters
BAR D 480	400mA	9.6W	DC24V	2.4 Meters
BAR D 240	200mA	4.8W	DC24V	2.4 Meters
BAR D 120	100mA	2.4W	DC24V	2.4 Meters
BAR D 060	50mA	1.2W	DC24V	2.4 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

APPLICATIONS

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

CONSTRUCTION

LED Lamp : Tri-Die chip, 5252
 PCB : FR-4
 Lead wire : Silicon
 Protective resin : transparent epoxy resin
 Heat sink : Extruded aluminum 6063

APPROVAL

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



FEATURES

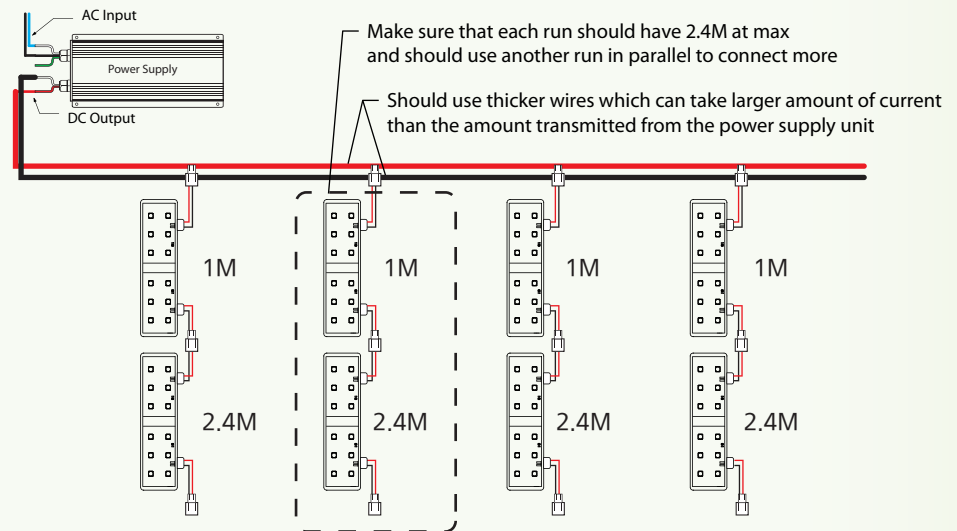


42,500H LIFETIME

IP65

DC24V

WIRING GUIDE



Specifications subject to change without notice