BRILIANT SOLUTION FOR FULL COLOR ILLUMINANCE

IP65

FULL COLOR **RGB** SYSTEM

DC24V

42,500H LIFETIME

CE

RoHS
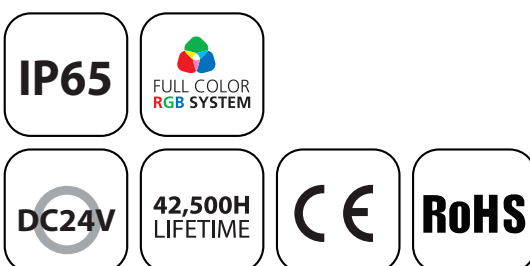
· Guaranteed lifetime up to 42,500 hours with 70% lighting output
  *24 hour constant load may result less operating hours with lower lighting output. Estimated lifetime is based on normal usage of 10 hours per day.
· IP65 weather proof system
· 16 Million full color LED lighting system with sophisticated 3 chips in 1 SMD lamp
· 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 : 120/240/480/960mm
Width : 21mm
Thickness : 9.5mm
Weight : 26/56/106/224g
Lamp Picth : 20 mm
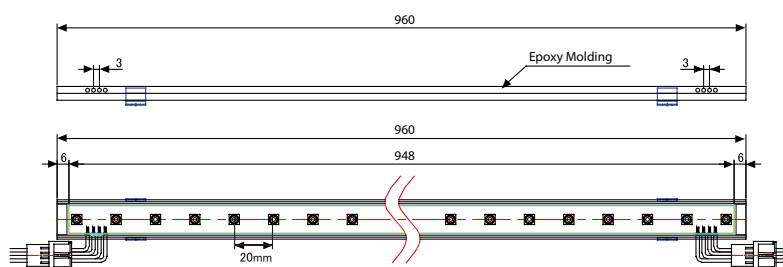
OPTICAL CHARACTERISTICS

Model	Luminous Intensity(cd)			CCT (Kelvin) & Dominant Wave Length		Viewing Angle
	Red	Green	Blue	Color	Typical	$2\Theta_{1/2}$
RGB BAR 960	27.3	57.6	10.5	White	9,000K	120
RGB BAR 480	13.6	28.8	5.2	Red	625nm	120
RGB BAR 240	6.84	14.4	2.64	Green	527nm	120
RGB BAR 120	3.42	7.2	1.32	Blue	460nm	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% tes ter 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.

SUPER BRIGHT
S-LED MODULE

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ELECTRICAL CHARACTERISTICS

Model	Current Dissipation	Power Dissipation	Operating Power	Max Serial Connection
RGB BAR 960	480mA	11.52W	DC24V	3.0 Meters
RGB BAR 480	240mA	5.76W	DC24V	3.0 Meters
RGB BAR 240	120mA	2.88W	DC24V	3.0 Meters
RGB BAR 120	60mA	1.44W	DC24V	3.0 Meters

THERMAL

Cooling : AL Heatsink, Ambient air
Operating temperature : -20~50˚C
Storage temperature : -20~60˚C

SAFETY FEATURES

IP65 : prevents water & dust penetration

CONSTRUCTION

LED Lamp : 3-in-1 RGB, 5050
PCB : FR-4
Lead wire : Silicon
Protective resin : transparent epoxy resin
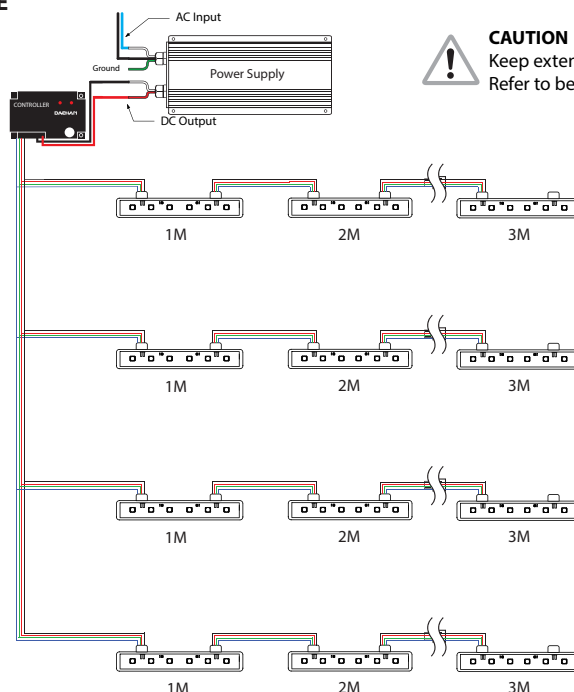Heat sink : Extruded aluminum

APPLICATIONS

Panel lighting
Linear lighting
Border lighting
Point-Of-Purchasing signage
Art & sculpture and cove lighting

APPROVAL

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

WIRING GUIDE

AC Input
Ground
Power Supply
DC Output
CONTROLLER

CAUTION
Keep extension lead wires as short as possible.
Refer to below table for specific length.

1M   2M   3M

1M   2M   3M

1M   2M   3M

1M   2M   3M

Specifications subject to change without notice

SUPER BRIGHT
S-LED MODULE

Since 1972
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