

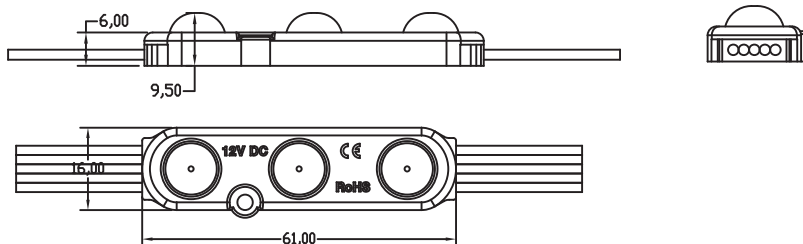
3 Chip LED Backlight Module - RGBW



- The billions of color LED lighting system with sophisticated 4 chips in 1 SMD lamp
- Guaranteed life time 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.
- Rigid PVC body for tough environment
- Extremely small and light solution
- Energy saving color changing module

PHYSICAL

Length : 61mm
Width : 16mm
Thickness : 9.5mm
Weight : 11g
Lamp Pitch : 20 mm (3 LED Lamps)
Module Pitch : 131mm



OPTICAL CHARACTERISTICS

Available Color	Luminous Flux(lm&mcd)			CCT (Kelvin) & Dominant wave Length(nm)			Viewing Angle 2Θ _{1/2}
	Min	Typical	Max	Min	Typical	Max	
White		81		3000	6500	10000	160
Red		800		620		625	160
Green		2200		515		520	160
Blue		700		460		465	160

*CRI (Color Rendering Index) for white product types is 75 / *Luminous Flux measuring equipment is CA5140B
*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.

Specifications

RGBW C03

ELECTRICAL CHARACTERISTICS

Current dissipation : 80mA
 Power Consumption : 0.96W
 Operating power : DC 12V
 Quantity for maximum connection in serial : 20 modules/40 modules Looped Circuit
 Color controller supported: Voltage controlled color change system

THERMAL

Cooling : Ambient air
 Operating temperature : -20~50°C
 Storage temperature : -20~60°C

SAFETY FEATURES

IP65 : Weatherproof rating

CONSTRUCTION

LED Lamp : 4-in-1 RGBW, 5050 package
 Body : ABS
 PCB : FR-4 fiber glass epoxy resin, quad layered
 Lens : PC
 Lead wire : 20AWG

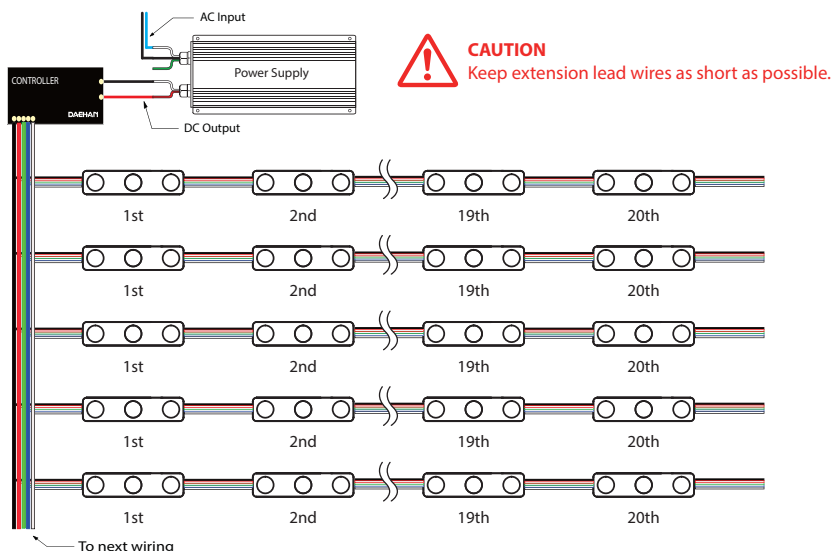
APPLICATIONS

Displays
 Decoration
 Signage
 Accent Lighting
 Facade lighting

APPROVAL

EN 55015/A2 : 2009
 EN 61547/2009
 EN 62031/2008 +A1 : 2013 +A2 : 2015
 EN 62471/2006

WIRING GUIDE



PACKAGING

Anti-static transparent vinyl bag : 60modules(7.86meter)
 Master carton box : 600modules(78.0meter)

Specifications subject to change without notice