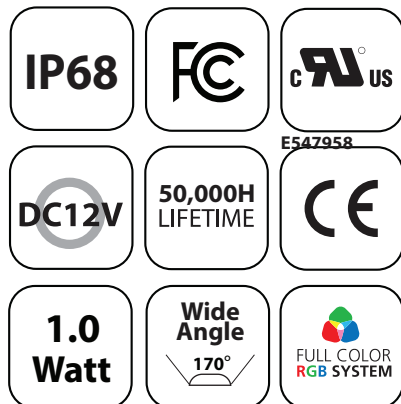
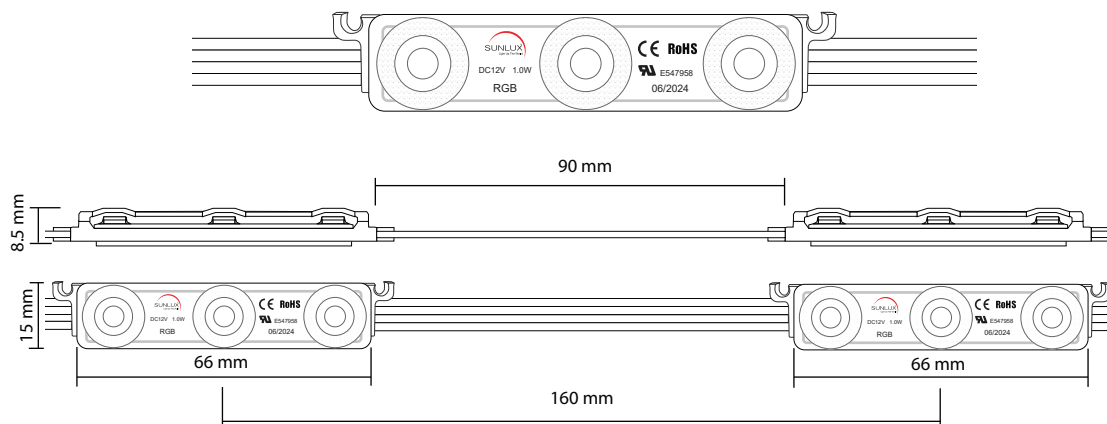


Characteristic



- **Recommended for channel letter. 3" to 8" from LED to face**
- Most Preferred Best Seller LED Module Solution (CE, UL Certified)
- Specialized lens covered design for perfect humid & waterproof (IP68)
- High luminosity & compact design
- Guaranteed life time up to 50,000 hours
*24 hour constant load may result less operating hours with lower lighting output. Estimated lifetime is based on normal usage
- SMD LED mounted
- Slight current drop through wire to wire connection(vs soldering)
- 170° viewing angle creates more uniform backlighting effects and better silhouettes
- Quality and reliability assured

Physical



Optical Characteristic

Color	Luminous Flux(lm)	Luminance Efficiency (lm/W)	Dominant Wave Length & Color Temperature	Viewing Angle
	Typical	Typical	Typical	2 $\Theta_{1/2}$
Red	6.3	26	625	140
Green	12.6	53	537	140
Blue	2.7	11	465	140
White	21.6	30	-	140

Electrical Characteristics

Current dissipation : 83mA
 Power consumption : 1.0W
 Operating powewr : 12V
 Quantity for maximum connection in serial : 100 modules
 Color controller supported : Voltage controlled color change system

Thermal

Operating temperature : -25~60°C
 Storage temperature : -40~80°C

Waterproof Rating

IP67 : Complete protection against dust ingress and water

Construction

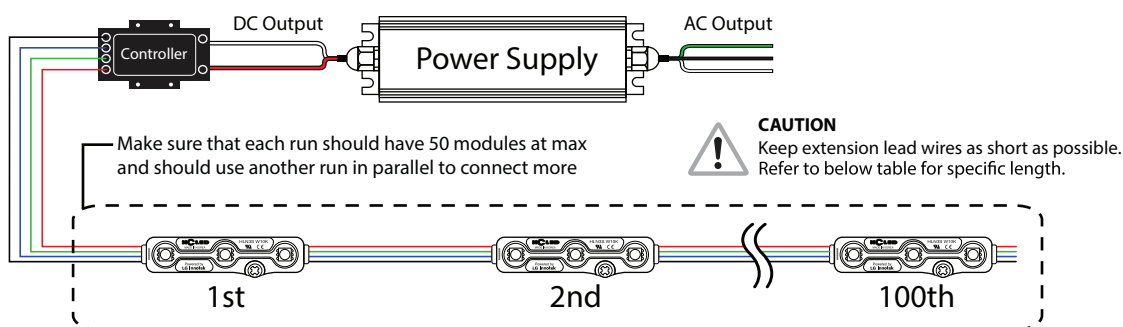
LED type : SMD5050
 Case materials : ABS, UL-94
 Cable : UL-AWG18x4C
 Cover materials : Polycarbonate, UL-94

Approval

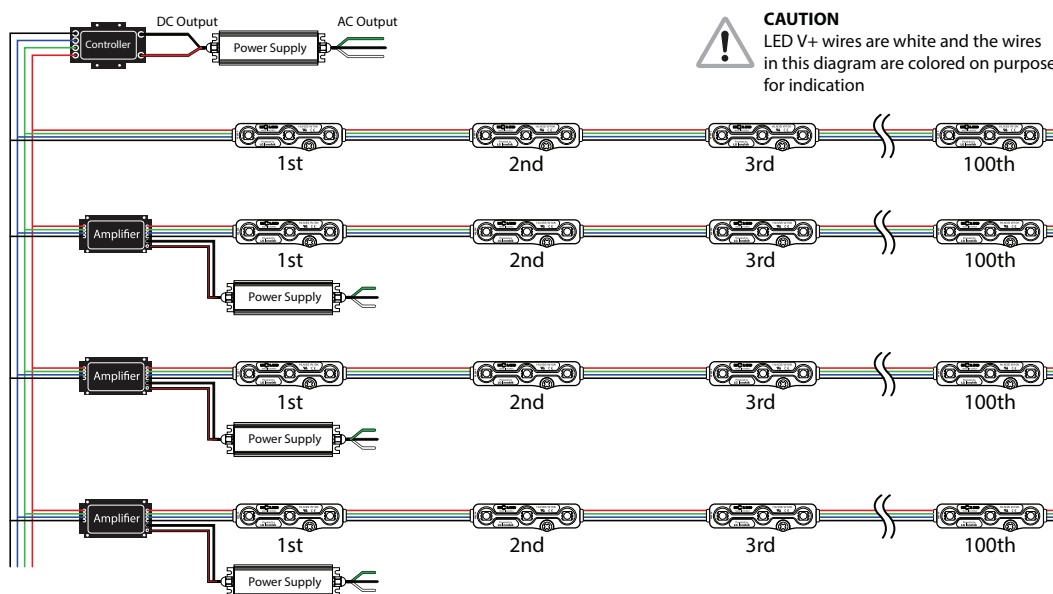
UL Certified E547958
 KS Certified

Wiring Guide

Single Controller



Parallel Connection with Signal Amplifiers



Specifications subject to change without notice

**CONNECTION WITH
POWER SUPPLY****EXTENSION OF POWER SUPPLY LEAD WIRES**

Output (W)	60W	120W	150W	200W
Output (A)	5A	5A/Channel	12.5A	16.67A
Max Q'TY per Run* (80%)	48pcs	96pcs	120pcs	160pcs
Max Q'TY per Run* (90%)	54pcs	108pcs	135pcs	180pcs
Recommended Extension Wire	AWG (20-18)			

**Check power supply specification/data sheet for the temperature and line derating curve.*

***This table is generated with a Safety Factor (SF) of 1.2 and 1.1 (80% and 90% load).*

Specifications subject to change without notice