



NO POWER TOOLS



KEEP ELECTRONICS FREE FROM DIRT AND MOISTURE

**MODEL** LS375 LED  
**INSTALLATION TYPE** Surface Mount  
**IP RATING** IP68  
**SUPPLY VOLTAGE** 24 V DC Ripple Free Supply  
 12 V AC Magnetic Transformer  
**INSTRUCTIONS COVER** Single Colour  
 Single Colour Dimming  
 RGB (Integral Driver)

## LS375LED Star III

Warranty void if not installed as per installation instructions



DANGER

ISOLATE LUMINAIRE FROM POWER

Failure to isolate power supply before installation or maintenance may result in fire, serious injury, electric shock, death and may damage the luminaire.

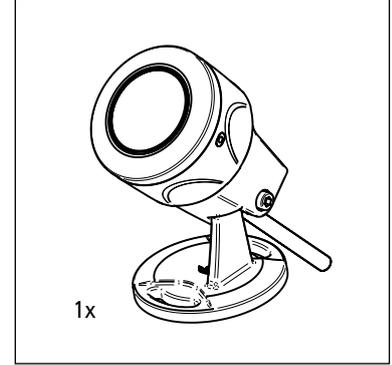
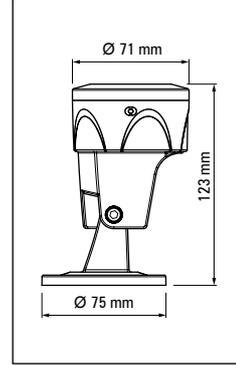


**WARNING**

**For underwater use only**

**It is strongly recommended to use Lumascap power supply or transformer**

**Opening luminaire will void warranty**



 Power supply must be isolated prior to connection or disconnection of cables. Failure to do so will result in damage to the luminaire components.

 Before you begin always check luminaire label for correct supply details and lamp type if applicable.

**1.** Use a Lumascap supplied 24 V DC ripple free power supply or transformer, locate centrally in relation to the luminaires. Refer to wiring diagrams in back to determine the number of conductors required in the supply cable.

**NOTE:** Generally 24 V DC ripple free power supplies should be installed in a well ventilated fully under cover environment.

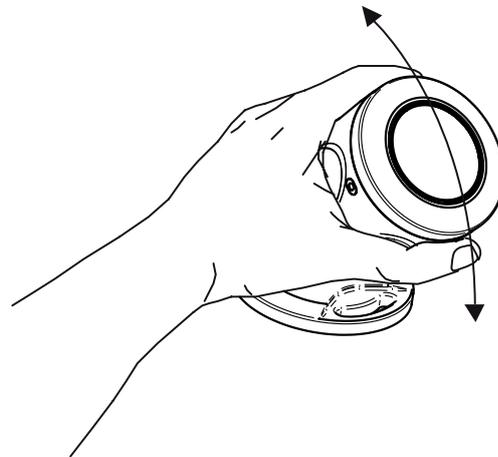
**NOTE:** DC Power supplies are more efficient than AC transformers.

 Under no circumstances can an 'electronic' transformer be used, this may damage the product.

**2.** Connect the luminaire to the supply cable. Refer to wiring diagrams over for details. Any joint must be dry and water tight or warranty will be void.

**3.** Position luminaires and mark mounting hole locations. Drill holes to suit fastener suitable for substrate (not supplied). Be careful not to damage any tanking.

**4.** Aim luminaire to required angle and tighten screw to fix.



## Wiring Diagrams

### Low Voltage (9 W Version)



#### Single Colour Dimming

Wire Colour	Designation	
	AC	DC
White	AC1	+
Black	AC2	-
Orange <sup>(1)</sup>	PWM +	
Red <sup>(1)</sup>	JOIN PWM -	
Green <sup>(1)</sup>		
Blue <sup>(1)</sup>		

<sup>(1)</sup> Do not connect if dimming is not required



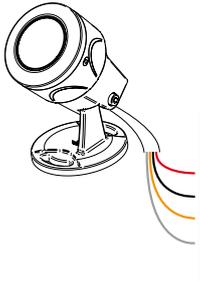
#### RGB Integral Driver

Wire Colour	Designation	
	AC	DC
White	AC1	+
Black	AC2	-
Orange	PWM Common	
Red <sup>(1)</sup>	PWM Red	
Green <sup>(1)</sup>	PWM Green	
Blue <sup>(1)</sup>	PWM Blue	

**NOTE:** If dimming or RGB control is required use LS67100 DMX Splitter - PWM Converter. Refer to installation instruction IN0107 for wiring details.

**IMPORTANT:** Non-connected dimming wires are to be kept dry and clean at all times. Failure to do so may lead to product reliability issues.

### Low Voltage (6 W Version)



#### Single Colour Dimming

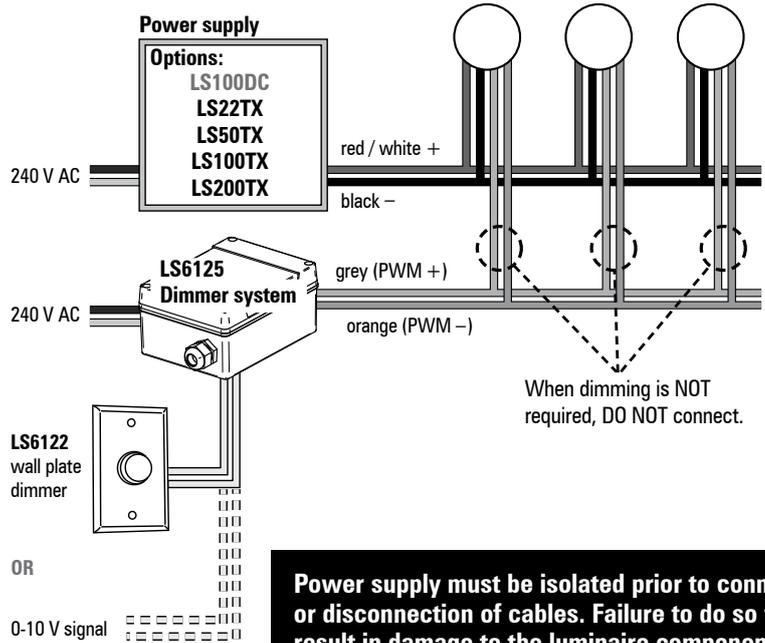
Wire Colour	Designation	
	AC	DC
Red or White	AC1	+
Black	AC2	-
Orange <sup>(1)</sup>	PWM + (optional)	
Grey <sup>(1)</sup>	PWM - (optional)	

<sup>(1)</sup> Do not connect if dimming is not required

**IMPORTANT:** Non-connected dimming wires are to be kept dry and clean at all times. Failure to do so may lead to product reliability issues.

**NOTE:** If dimming is required use LS6125 PWM to 0-10 V dimming.

**IMPORTANT:** Please note that the PWM dimming signal polarity is reversed with Lumascope's LS6125 and any third party PWM controllers. See diagram on right for details.



**Power supply must be isolated prior to connection or disconnection of cables. Failure to do so will result in damage to the luminaire components.**

## Questions?

Call +61 7 3286 2299

Email [sales@lumascope.com.au](mailto:sales@lumascope.com.au)

[www.lumascope.com.au](http://www.lumascope.com.au)

## SAFETY INSTRUCTIONS

### WARNING - To reduce the risk of FIRE or INJURY:

1. Luminaires and transformers to be installed by licensed electrical contractors.
2. Luminaires to be used for intended purpose only.
3. Do not operate the luminaires with a missing or damaged parts.
4. Use only genuine Lumascope parts to replace damaged or missing components.
5. Refer to instructions for installation and operating requirements.
6. Ensure installation complies with local regulations

**Voltage insulation test (megger) will permanently damage product and will void warranty.**

**SAVE THESE INSTRUCTIONS.**