


LS275LED: Star II

Warranty void if not installed as per installation instructions

DANGER

ISOLATE LUMINAIRE FROM POWER

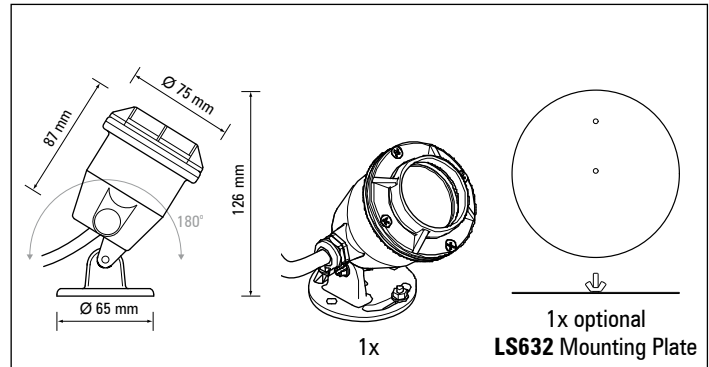
Failure to isolate power supply before installation or maintenance may result in fire, serious injury, electric shock, death and may damage the luminaire.



WARNING
 For underwater use only

It is strongly recommended to use Lumascap power supply or transformer

Opening luminaire will void warranty



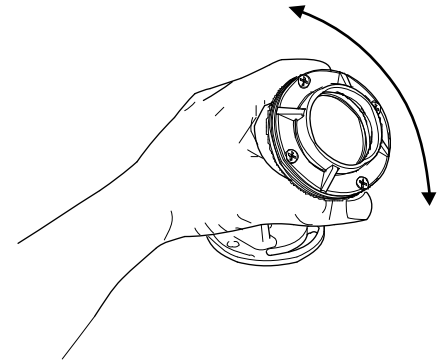
1. Use a Lumascap supplied 24 V DC ripple free power supply or Lumascap magnetic transformer, locate centrally in relation to the luminaires. **NOTE:** Generally 24 V DC ripple free power supplies should be installed in a well ventilated fully under cover environment. **NOTE:** DC Power supplies are more efficient than AC transformers. Under no circumstances can an 'electronic' transformer be used, this may damage the product.

Cables may be extended using LS6124 up to a maximum of 50 metres. Any joint must be watertight or warranty will be void. LS6124 is a 4 wire cable and this will bring the dimming control to the transformer, if dimming is required use LS6121 PWM to 0-10 V dimming module. See wiring diagram.

2. Position luminaires and mark mounting hole locations, or use accessory plate. Drill holes to suit fastener suitable for substrate (not supplied). Be careful not to damage any tanking.

3. Calculate the distances and use the attached table to calculate sizes and Power Supply sizes. **NOTE:** If dimming is required 4 wires must be run. 1 mm cable is adequate for the dimming signal. **NOTE:** Standard cable is 5 m long and may be extended or shortened as required. Any joint must be watertight or warranty will be void.

4. Aim luminaire to required angle and tighten wing nut to fix.



IMPORTANT NOTES

- All 12 V AC must use 'magnetic' transformers only. The use of an 'AC electronic' transformer may damage the luminaire.
- If dimming is required 4 wires must be run to the luminaire - luminaire supports 0-10 V dimming with LS6124.

NOTE: These installation instructions are accepted in most areas. Some supply authorities may require alternative installation methods.

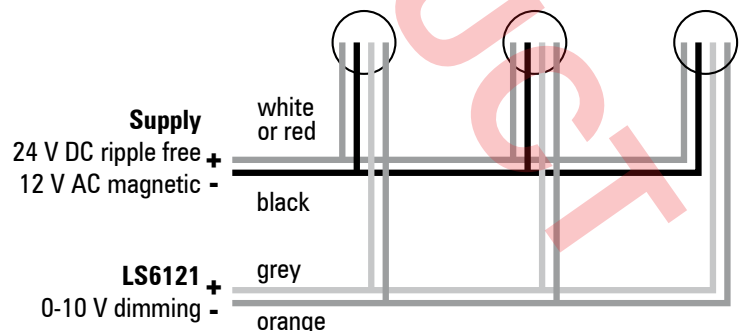
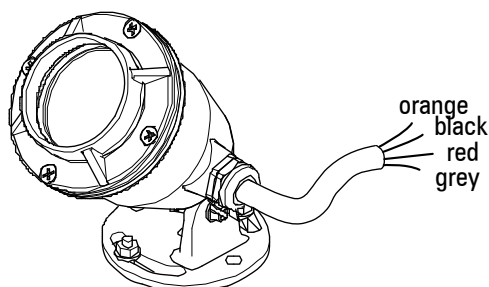
Should you experience any difficulty, please contact Lumascap directly: phone 07 3286 2299 or email sales@lumascap.com.au

IF IN DOUBT, PLEASE CALL

Wiring

white or red	+ 24 V DC / 12 V AC 1
black	- 24 V DC / 12 V AC 2
grey	+ pwm DIM (connection optional)
orange	- pwm DIM (connection optional)

NOTE: If dimming is required use LS6121 PWM to 0-10 V dimming.

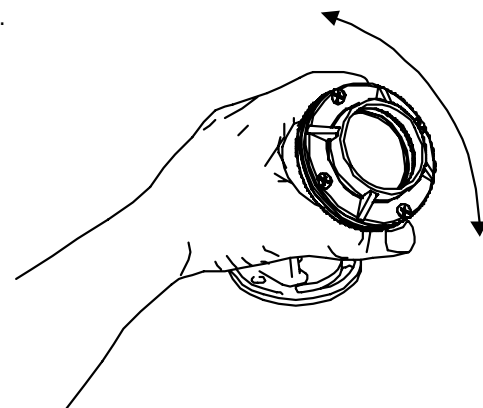


Power supply must be isolated prior to connection or disconnection of cables. Failure to do so will result in damage to the luminaire components.

LS275LED: Star II - RGB Installation

WARNING: It is strongly recommended to use Lumascope constant current LED driver and 24 V DC power supply. Opening luminaire will void warranty.

1. Use a Lumascope supplied constant current LED driver, locate centrally in relation to the luminaires. **NOTE:** Generally constant current drivers and controllers should be installed in a well ventilated fully under cover environment. **NOTE:** Standard cable is 5 m long and may be extended or shortened as required. Any joint must be watertight or warranty will be void.
2. Position luminaires and mark mounting hole locations, or use accessory plate. Drill holes to suit fastener suitable for substrate (not supplied). Be careful not to damage any tanking.
3. Aim luminaire to required angle and tighten wing nut to fix.

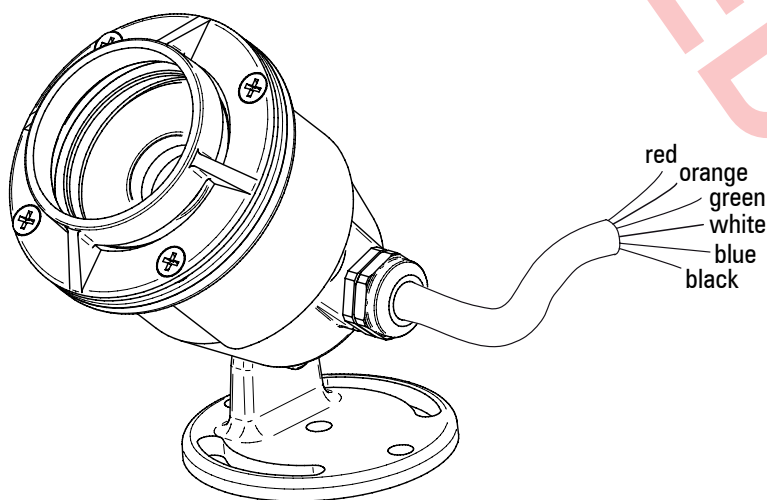


NOTE: These installation instructions are accepted in most areas. Some supply authorities may require alternative installation methods.

Should you experience any difficulty, please contact Lumascope directly: phone 07 3286 2299 or email sales@lumascope.com.au

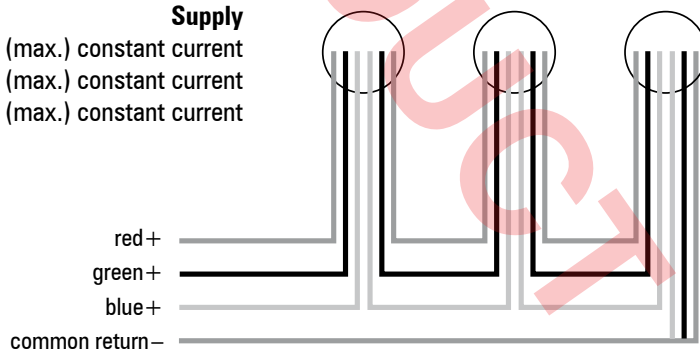
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Wiring



Cable	LED connection
red	red +
orange	red -
green	green +
white	green -
blue	blue +
black	blue -

Supply
 Red 350 mA (max.) constant current
 Green 700 mA (max.) constant current
 Blue 700 mA (max.) constant current



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

LS275LED
Power Supply/ Transformer & Maximum Cable Runs

NOTE: DC Power supplies are more efficient than AC transformers. Under no circumstances can an 'electronic' transformer be used, this may damage the product.

Wattage (Part Number)	24 V DC Power Supply			12 V AC Magnetic Transformer					
	100W (LS100DC)			100VA (LS100TX)			50VA (LS50TX)		
	LS604	LS604-6	LS604-10	LS604	LS604-6	LS604-10	LS604	LS604-6	LS604-10
Lumascope Cable	LS604	LS604-6	LS604-10	LS604	LS604-6	LS604-10	LS604	LS604-6	LS604-10
Cable size	3.3 mm ²	6 mm ²	10 mm ²	3.3 mm ²	6 mm ²	10 mm ²	3.3 mm ²	6 mm ²	10 mm ²
No. of luminaires 100 metre run	10	•	•	0	0	1	0	0	1
No. of luminaires 75 metre run	10	•	•	0	1	1	0	1	1
No. of luminaires 50 metre run	10	•	•	1	1	2	1	1	2
No. of luminaires 25 metre run	10	•	•	2	3	5	2	3	5

• means the maximum number of luminaires can be accommodated on smaller cables.

Questions?
Call +61 7 3286 2299
Email sales@lumascope.com.au
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.