

LS9404LED: Vedita Ceiling/Cavity Mount

Warranty void if not installed as per installation instructions

Note: Fixture uses intelligent driver. Always leave on for 20 seconds unless programing.

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.



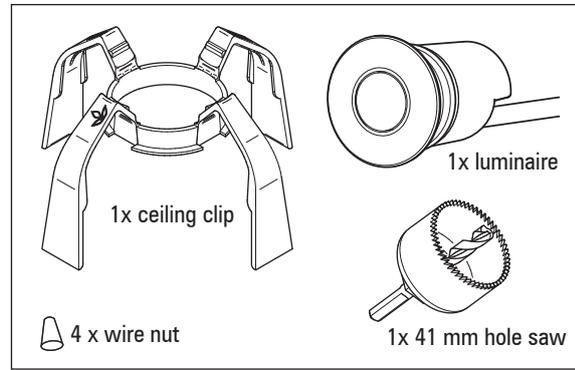
WARNING

It is strongly recommended to use Lumascape power supply or transformer

Use of electronic transformer will permanently damage luminaire

All connections must be kept dry; failure to do so may result in product reliability issues

Opening luminaire will void warranty



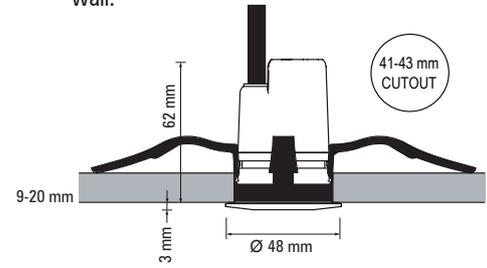
1. Use a Lumascape supplied 24 V DC ripple free power supply or transformer, locate centrally in relation to the luminaires.

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

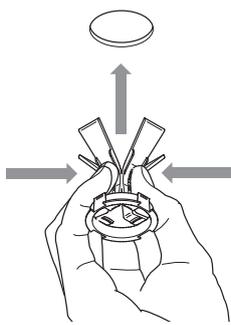
NOTE: DC Power supplies are more efficient than AC transformers. Under no circumstances can an 'electronic' transformer be used, this may damage the product.

2. Mark actual locations of luminaires to be installed. Using the charts overleaf calculate the cable size on each run including all luminaires to be connected to a run of cable. Use the same chart to select power supply.

3. Mark locations of luminaires and using 41 mm holesaw supplied, drill hole in ceiling or cavity wall.



4. Fold legs up on the ceiling clip and insert into hole and feed LS9404LED cable through mounting clip.



5. Lay cable from power supply/transformer for each cable run. **NOTE:** If dimming is required then four conductors will be required. For non-dimmed (usual installation) only two conductors are required. Dimming circuit can use 1 mm cable.

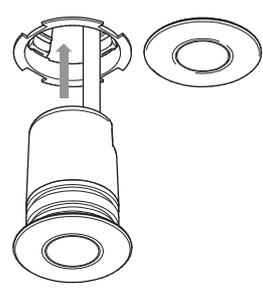
6. Connect the luminaire to the supply cable using the wire nuts supplied. Any joint must be dry and water tight or warranty will be void.

NOTE: The orange and grey wires are for optional PWM digital dimming using 0-10 V. Lumascape accessory LS6125 is required.

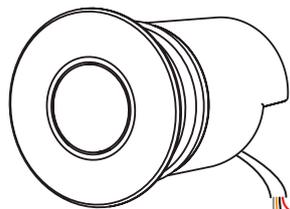
! If dimming is not required, do not connect the orange and grey wires. In all cases they are to be sealed and kept dry. Failure to do so will result in the T5 smart driver dimming the luminaire due to a voltage differential between the two conductors.

7. Switch on and check each luminaire is operating.

8. Press LS9404LED fully into mounting clip.



Wiring Diagram



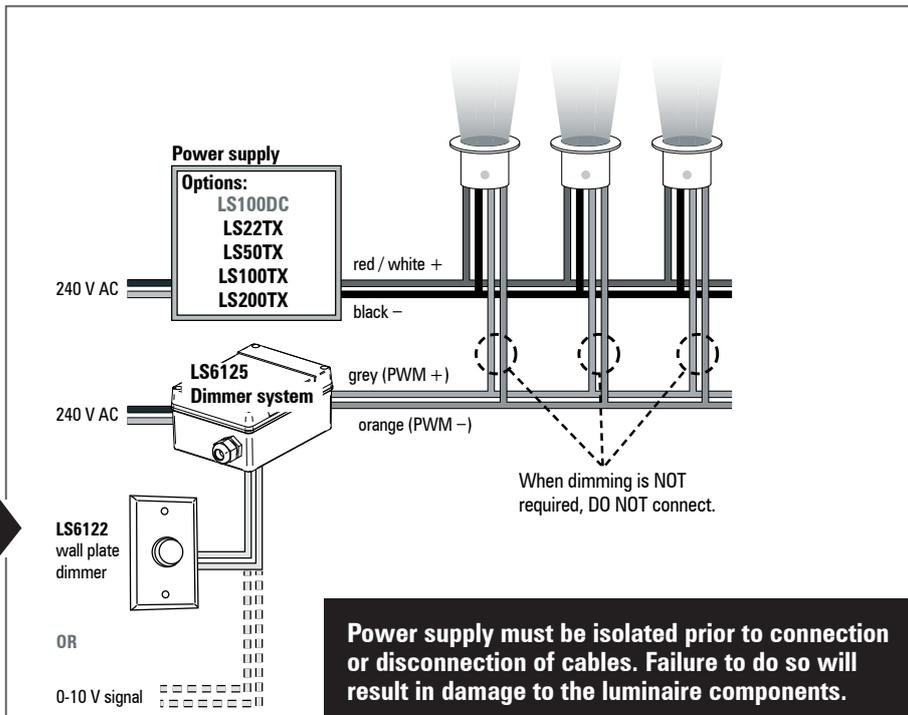
Single Colour Dimming

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

⁽¹⁾ Do not connect if dimming is not required

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.



LS940LED Series

Power Supply/ Transformer & Maximum Cable Runs

| Wattage (Part Number) | 24 V DC Power Supply | | | 12 V AC Magnetic Transformer | | | | | | | | |
|---------------------------------|----------------------|-------------------|--------------------|------------------------------|-------------------|--------------------|---------------------|-------------------|--------------------|---------------------|-------------------|--------------------|
| | 100 W (LS100DC) | | | 100 VA (LS100TX) | | | 50 VA (LS50TX) | | | 22 VA (LS22TX) | | |
| Lumascope Cable | LS604 | LS604-6 | LS604-10 | 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 | 3.3 mm ² | 6 mm ² | 10 mm ² |
| No. of luminaires 100 metre run | 26 | • | • | 6 | 10 | 10 | 4 | 4 | 4 | 2 | 3 | 3 |
| No. of luminaires 75 metre run | 26 | • | • | 8 | 10 | 12 | 5 | 5 | 8 | 3 | 3 | 4 |
| No. of luminaires 50 metre run | 26 | • | • | 10 | 12 | 14 | 6 | 8 | 8 | 3 | 4 | 4 |
| No. of luminaires 25 metre run | 26 | • | • | 14 | 14 | 14 | 8 | 8 | 8 | 4 | 4 | 4 |

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

NOTE: 24 V DC power supplies are far more efficient than AC transformers.



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.