



A START HERE **IMPORTANT INSTRUCTIONS**
For Installation LS411A-2 (Remote Transformer)

Warning: The Luminaire should only be used complete with its protective shield (cover)

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1

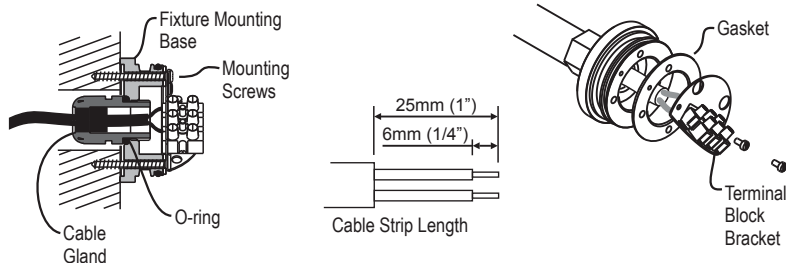
Select a suitable 12V isolating type transformer and locate centrally in relation to desired fixture locations. Drill/cast holes and run cables and conduits as per lighting plan. Check cable sizes and Voltage Drop on chart over. Refer warning over. Cable will need to exit the mounting surface into the centre of the mounting base. Use discretion in placement as fixture can become very hot and may burn.

2

If an alternative mounting base or accessory was purchased with this fixture refer to the mounting instructions supplied with accessory at this point.

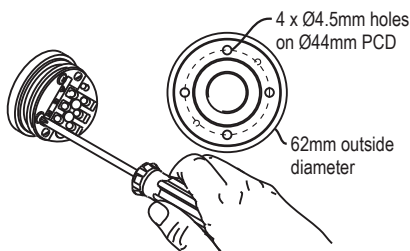
3

Remove mounting base from fixture. (Fixture can be disconnected from terminal block at this point and set aside.) Remove terminal block bracket from mounting base. Screw conduit adaptor and o-ring onto mounting base. Feed cable through conduit adaptor and tighten. Conduit must be dry (sealed) to achieve IP67 rating. Terminate cable to terminal block. Screw terminal block bracket to mounting base.



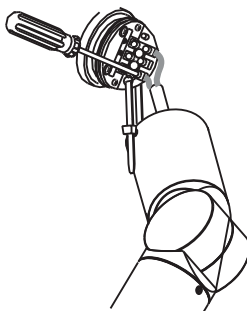
4

Screw mounting base to mounting accessory or screw directly to mounting surface using 4 screws provided. (Holes for mounting screws may be supplied blind. Drill through as required with a 4.5mm (or 11/64th) drill. A screw must be used for each hole drilled to achieve IP67 rating.)



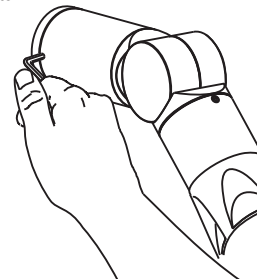
5

Terminate fixture to mounting base terminal block. (Note the fixture may be suspended using cable ties as shown if required.)



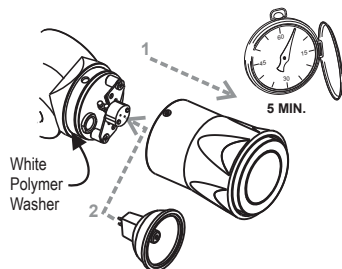
6

Insert fixture onto mounting base ensuring it is aimed in the right direction. Tighten both grub screws with 3mm Allen key supplied - do not overtighten.



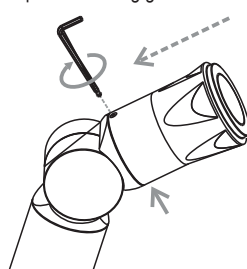
7

Ensure fixture is isolated from power supply. Loosen grub screws on side of lid and remove lid. Be careful not to lose thin white polymer washer. Insert lamp and any accessories. Test fixture and run open for 5 minutes to remove moisture.



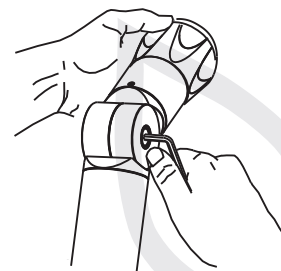
8

Ensure o-ring is not damaged and is clean. Push lid onto fixture, check lid is aligned and seated correctly. Gently tighten grub screws - 'finger tight' do not over tighten. O ring is coated with MolyKote 111 high temperature o-ring grease



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To aim fixture loosen socket head screw on the side of the knuckle, position fixture and retighten using the 5mm Allen key supplied.





B IMPORTANT INSTRUCTIONS

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IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS

WARNING - To reduce the risk of FIRE or INJURY:

1. Wall mount only
2. Fixtures can become very hot. Use discretion in placement.
3. Turn Off/Unplug and allow to cool before replacing lamp.
4. Lamp gets hot quickly! Contact only switch/plug when turning on.
5. Do not touch hot lens, guard, or enclosure.
6. Keep lamp away from materials that may burn.
7. Do not touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.
8. Do not operate the lighting fixture with a missing or damaged shield.
9. CAUTION - HOT SURFACE. Keep away from curtains and other combustible material.
10. Loctite Silver Grade Anti Seize on threads. Reapply if needed.

SAVE THESE INSTRUCTIONS.

VOLTAGE DROP CHARTS - 12 VOLT CABLE

It is important that the Voltage Drop (the amount of Voltage lost over a length of cable) is kept to a maximum 1 Volt (ie. the Voltage should not be less than 11 Volts at the fixture). A larger cable will experience a lower voltage drop over the same length of cable (refer Voltage Drop Chart below).

Note: The information below relates to Lumascap LS604 Direct Burial Cable only. This information can be used as an approximate guide for other cables including round cable supplied by Lumascap, however, actual results should be verified during installation.

LOAD	3.3mm ² (0.0051sqIN) LS604 DROP CABLE		6mm ² (0.0093sqIN) LS604-6 TRUNK CABLE		10mm ² (0.0155sqIN) LS604-10 TRUNK CABLE	
	Single	Double	Single	Double	Single	Double
	20W	70m (229.66ft)	140m (459.32ft)	105m (344.49ft)	210m (688.98ft)	140m (459.32ft)
40W	30m (98.43ft)	60m (196.85ft) (2)	55m (180.45ft)	110m (360.90ft)	84m (275.59ft)	168m (551.18ft) (4)
50W	25m (82.02ft)	50m (164.04ft)	44m (144.36ft)	88m (288.72ft)	62m (203.41ft)	124m (406.82ft)
60W	20m (65.62ft) (1)	40m (131.24ft)	36m (118.11ft)	72m (236.22ft)	54m (177.16ft) (3)	108m (354.33ft)
70W	15m (49.21ft)	30m (98.42ft)	30m (98.43ft)	60m (196.86ft)	50m (164.04ft)	100m (328.08ft)
80W	14m (45.93ft)	28m (91.86ft)	27m (88.58ft)	54m (177.16ft)	46m (150.92ft)	92m (302.82ft)
90W	13m (42.65ft)	26m (85.30ft)	24m (78.74ft)	48m (157.48ft)	42m (137.76ft)	84m (275.52ft)
100W	12m (39.37ft)	24m (78.74ft)	21m (68.90ft)	41m (137.80ft)	36m (118.11ft)	72m (236.22ft)
120W	10m (32.81ft)	20m (65.62ft)	18m (59.06ft)	36m (118.11ft)	30m (98.43ft)	60m (196.86ft)
250W	4m (13.12ft)	8m (26.24ft)	9m (29.52ft)	18m (59.05ft)	17m (55.77ft)	34m (112ft)

CAUTION The distances and wattages shown are maximum and should not be exceeded.

