

IMPORTANT INSTRUCTIONS

For Installation LS393

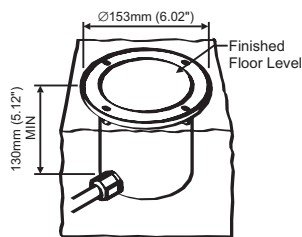
Warning: The Luminaire should only be used complete with its protective shield (cover)

Lumascap Lighting Industries Pty Ltd
 38-44 Enterprise Street, Cleveland, QLD 4163, Australia
 PO Box 1875, Cleveland D.C., QLD 4163, Australia
 T 07 3286 2299
 F 07 3286 6599
 E sales@lumascap.com.au
 W www.lumascap.com.au

WARNING If cable is damaged replace with cable supplied by LUMASCAPE only.
 DO NOT SHORTEN, INTERFERE OR DISCONNECT CABLE FROM FITTING. WARRANTY WILL BE VOID IF CABLE ASSEMBLY IS TAMPERED WITH.

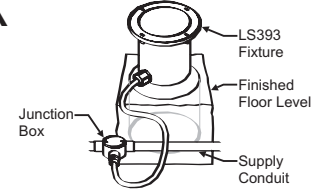
CAUTION - HOT BULBS. Keep Away From Curtains And Other Combustible Material.

1



Locate Fixtures
 Site fixture, in proximity to cabling, in gravel, soil or concrete. Use discretion in locating fixtures as glass can become very hot and may burn.

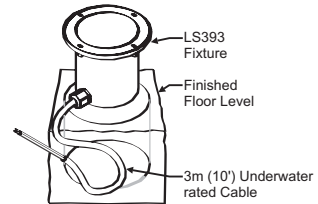
2A



Supply Connection - Junction Box
 Connect junction box to supply conduit as per instructions.

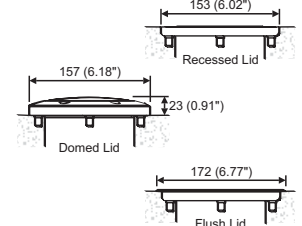
Warning: Overcurrent protection for secondary circuit must be provided at the supply transformer in accordance with the National Electric Code.

2B



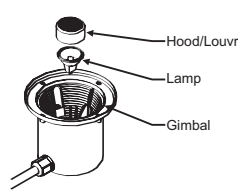
Supply Connection - Cable Only
 Terminate underwater rated cable in accordance with local wiring rules.

3



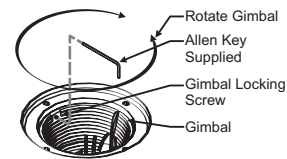
Mount Fixture
 Mount fixture with either top lip or bottom surface of flange, flush with finished floor level, as shown above.

4



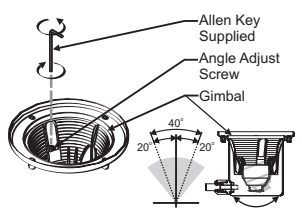
Insert Lamp
 Remove Hood and louvre from gimbal and insert MR16 lamp into lampholder. Replace hood and louvre.

5



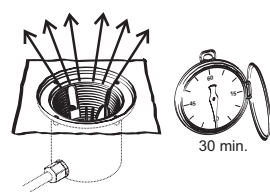
Adjust Rotational Alignment of Gimbal
 Rotate gimbal to aim light at target. Once positioned tighten locking screw using Allen Key provided.

6



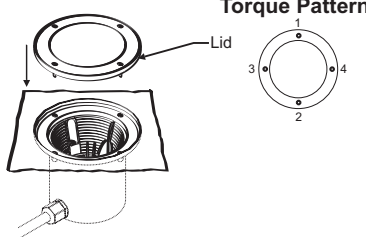
Adjust Angular Position of Light
 Aim the light at target by rotating the angle adjust screw, with the Allen Key provided. The lamp has a maximum adjust of 20° either side of vertical.

7



Test Fixture
 Test to ensure fixture is operational. Allow to burn uncovered for 30 minutes to allow any moisture in fixture to evaporate.

8



Seal Fixture
 Locate lid, complete with any accessories, on fixture aligning screws with clinch nuts in flange. Tighten screws. Incrementally tighten lid screws using the 3mm Allen key supplied. Lumascap recommends tightening in the above Torque Pattern. DO NOT OVER TIGHTEN.

SEE REVERSE SIDE FOR RELAMPING INFORMATION

www.lumascap.com.au

Further information over page

B IMPORTANT INSTRUCTIONS

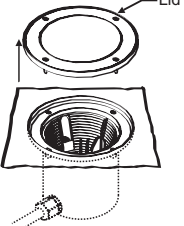
For Installation LS393

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

Lumascap Lighting Industries Pty Ltd
 38-44 Enterprise Street, Cleveland, QLD 4163, Australia
 PO Box 1875, Cleveland D.C., QLD 4163, Australia
 T 07 3286 2299
 F 07 3286 6599
 E sales@lumascap.com.au
 W www.lumascap.com.au

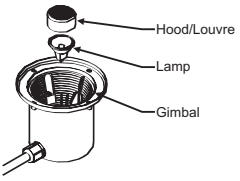
RELAMPING INSTRUCTIONS

A



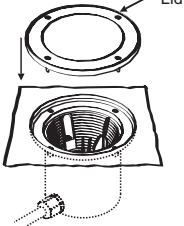
Open Fixture
 Ensure fixture is electrically isolated. Remove lid from fixture by undoing the four screws and levering out gently.

B



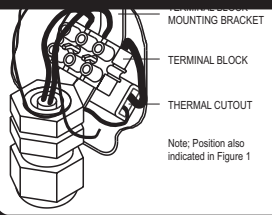
Replace Lamp
 Remove Hood and louvre from gimbal by pulling vertically. Remove MR16 lamp and dispose. Insert new MR16 lamp into lampholder. Replace hood and louvre.

C



Open Fixture
 Test fixture to ensure lamp is operational. Reseal fixture as per installation instructions over.

IMPORTANT
 When Installing or re lamping, the thermal cutout **MUST** be repositioned beneath the terminal block mounting bracket, within the LS393 fixture (refer fig 3).



Note: Position also indicated in Figure 1

IMPORTANT SAFETY INSTRUCTIONS

WARNING - To reduce the risk of FIRE or INJURY:

1. Luminaires and transformers to be installed by qualified installers only.
2. Luminaires to be used for intended purpose only. e.g Wall Mount fittings must be wall mounted.
3. Luminaires can become very hot. Use discretion in placement.
4. Do not touch hot lens, guard, or enclosure.
5. CAUTION - HOT SURFACE. Keep away from curtains and other combustible material.
6. Turn Off/Unplug and allow to cool before replacing lamp.
7. Keep lamp away from materials that may burn.
8. Never touch lamp with bare fingers. Oil from skin may damage lamp. Hold lamp with soft cloth when installing or replacing.
9. Do not operate the luminaires with a missing or damaged parts.
10. Replace any cracked protective shield
11. Use only lamp type, voltage and wattage as specified by Lumascap on the product label.
12. Use only genuine Lumascap parts to replace damaged or missing components.
13. Luminaires supplied with Loctite Silver Grade Anti Seize lubricant on threads. Reapply if needed.
14. Refer to instructions for installation and operating requirements.
15. Ensure installation complies with local regulations

SAVE THESE INSTRUCTIONS.

LUMASCAPE
 HEAD OFFICE - QLD
 Tel (07) 3286 2299
 Fax (07) 3286 6599

LUMASCAPE
 SYDNEY - NSW
 Tel (02) 9519 6860
 Fax (02) 9519 8834

LUMASCAPE
 MELBOURNE - VIC
 Tel (03) 9686 1900
 Fax (03) 9686 1700

LUMASCAPE USA INC.
 SAN FRANCISCO - CA
 Tel 1-(650)-595-5862
 Fax 1-(650) 595-5820

H.I. LIGHTING
 LUMASCAPE AGENT - WA
 Tel (08) 9321 5422
 Fax (08) 9321 5881

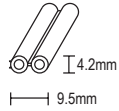
LIGHTING PARTNERS AUSTRALIA
 LUMASCAPE AGENT - SA
 Tel (08) 8232 0074
 Fax (08) 8232 0076

NQ LIGHTING
 LUMASCAPE AGENT - NTH QLD
 Tel (07) 4031 4490
 Fax (07) 4031 5933

ECC LIGHTING
 LUMASCAPE AGENT - NZ
 Tel (09) 379 9680
 Fax (09) 308 9328

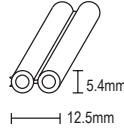
CABLES

3.3mm² Figure 8 PVC Cable



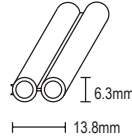
LS604

6mm² Figure 8 PVC Cable



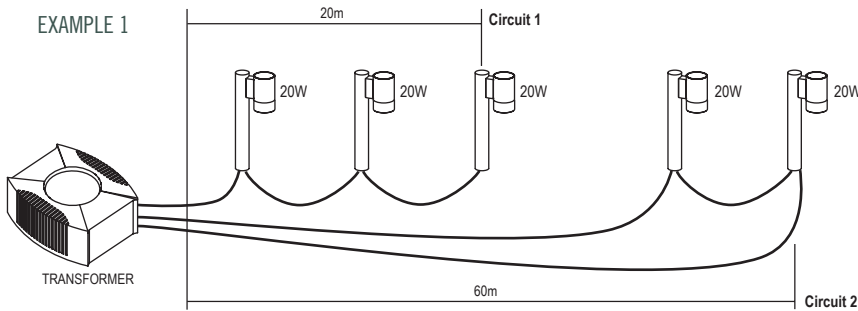
LS604-6

10mm² Figure 8 PVC Cable

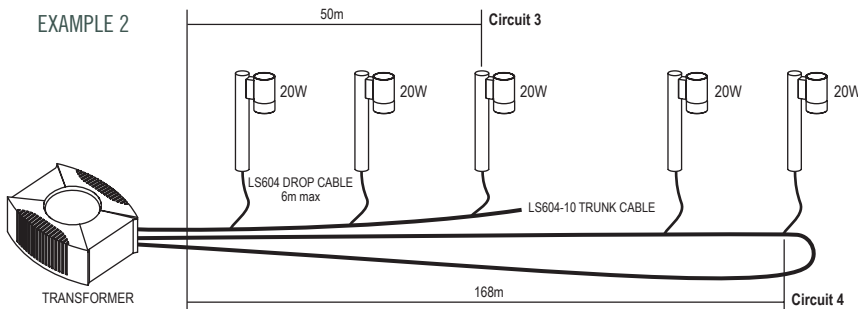


LS604-10

EXAMPLE 1



EXAMPLE 2



CABLE VOLTAGE DROP

Excessive voltage drop causes lamps to have a low light output. The following charts and illustrations apply only to Lumascope supplied cable. The distance and wattage shown are maximum and should not be exceeded.

EXAMPLE 1

Using drop cable only

This example shows the correct way to install Lumascope light luminaires using LS604 (3.3mm²) drop cable. The total load on Circuit 1 is 60W over 20 metres as allowed in the Voltage Drop table. The load on Circuit 2 is 40W and by using a doubled cable this circuit can be 60 metres.

EXAMPLE 2

Using trunk and drop cable only

This example shows the correct way to install Lumascope luminaires using LS604-10 (10mm²) trunk cable. The total load on Circuit 3 is 60W over 50 metres which is shorter than the 54 metres allowed in the Voltage Drop table. The load on Circuit 4 is 40W and using a doubled cable allows the circuit to be up to 168 metres long.

TABLE: VOLTAGE DROP

LOAD WATTAGE	DROP CABLE 3.3mm ² LS604		TRUNK CABLE 6mm ² LS604-6		10mm ² LS604-10	
	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE
20	70m	140m	105m	210m	140m	280m
40	30m	60m	55m	110m	84m	168m
50	25m	50m	44m	88m	62m	124m
60	20m	40m	36m	72m	54m	108m
70	15m	30m	30m	60m	50m	100m
80	14m	28m	27m	54m	46m	92m
90	13m	26m	24m	48m	42m	84m
100	12m	24m	21m	41m	36m	72m
120	10m	20m	18m	36m	30m	60m
150	7m	14m	15m	30m	26m	52m
200	5m	10m	11m	22m	20m	40m
250	4m	8m	9m	18m	17m	34m

CAUTION

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