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INSTALLATION INSTRUCTIONS

BOLLARDS & PATHWAY

MODEL: LS482 Balitza
INPUT VOLTAGE: 240 V, 230 V, 220 V or 12 V AC

A.C.N. 0105 72 773

LS482: Balitza

Warranty voided 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

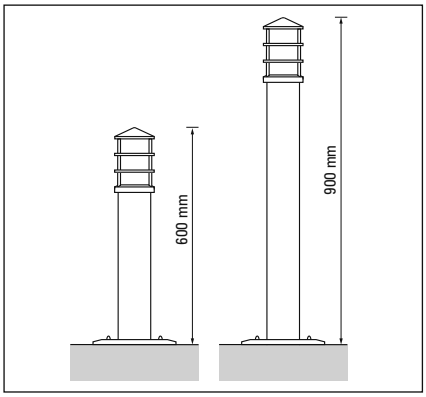
Do not shorten, interfere or disconnect cable from fitting.

Warranty will be void if cable assembly is tampered with.

If cable is damaged replace with cable supplied by Lumascape only.

This luminaire must only be installed by a licensed electrical worker.

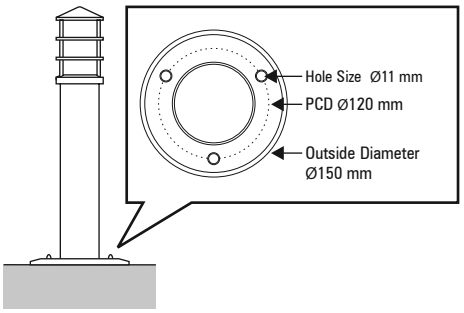
To achieve IP66 rating, use round cable (size 5-10 mm) to suit entry gland supplied with luminaire.



For low voltage:

Select a suitable 12 V isolating type transformer and locate centrally in relation to desired luminaire locations. Use discretion in placement as luminaire can become very hot and may burn. Run conduit and drill/cast holes as specified. Run cables. Check cable sizes and voltage drop on chart.

1. **Surface Mount Plate**



mounting fasteners not supplied by Lumascape

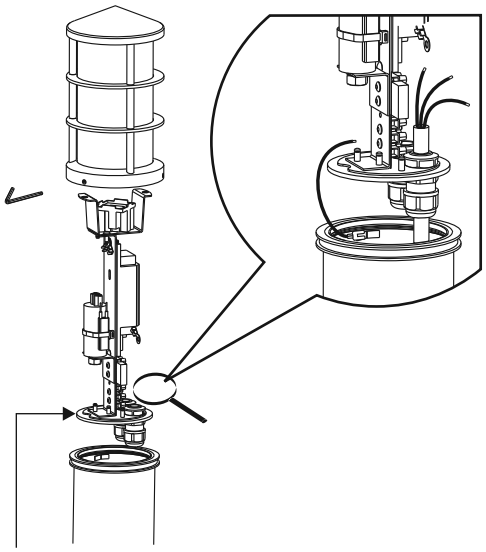
2. **Wire up luminaire**

Remove lid from luminaire and pull out gear tray.

Pull cable through gland and tighten.

Connect leads to terminal block.

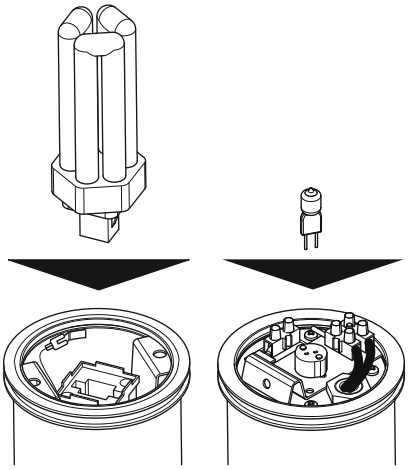
Slide gear tray back into mounting pole.



3. **Insert lamp into luminaire**

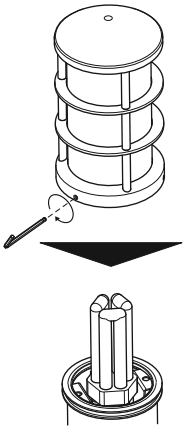
Check wattage and insert lamp into luminaire.

Test to ensure lamp and luminaire is operational.



4. **Fit cover & seal**

Put lid on luminaire and seal by evenly tighten all three screws around the base.



Rubber seal protects gear tray from moisture. Do not use force. Make sure seal fits tightly against pole.

Questions?
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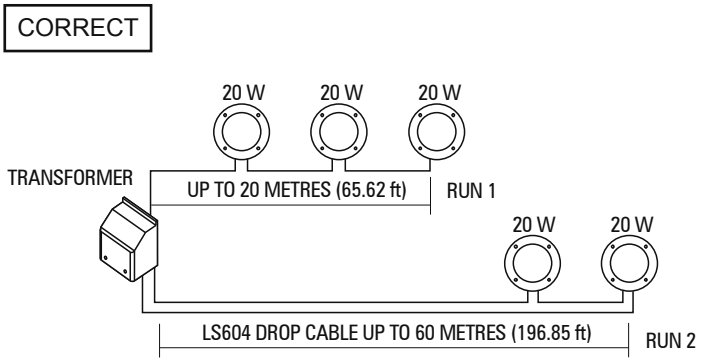
VOLTAGE DROP CHARTS - LUMASCAPE 12 VOLT CABLE

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 luminaire). 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 Lumscape LS604 Direct Burial Cable only. This information can be used as an approximate guide for other cables including round cable supplied be Lumascape, however, actual results should be verified during installation.

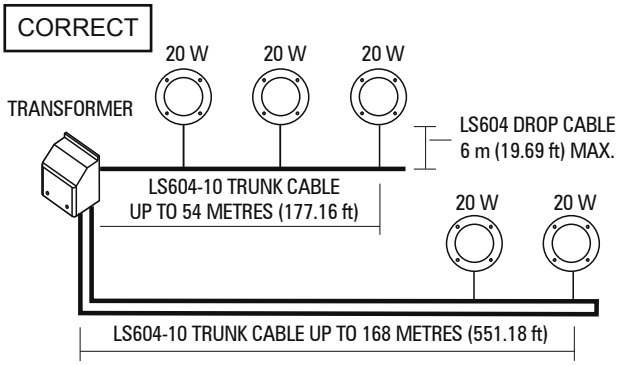
LOAD	3.3 mm² (0.0051sqIN) LS604 DROP CABLE		6 mm² (0.0093sqIN) LS604-6 TRUNK CABLE		10 mm² (0.0155sqIN) LS604-10 TRUNK CABLE	
	Single	**Double**	**Single**	**Double**	**Single**	**Double**
20 W	70 m (229.66 ft)	140 m (459.32 ft)	105 m (344.49 ft)	210 m (688.98 ft)	140 m (459.32 ft)	280 m (918.64 ft)
40 W	30 m (98.43 ft)	60 m (196.85 ft) (2)	55 m (180.45 ft)	110 m (360.90 ft)	84 m (275.59 ft)	168 m (551.18 ft) (4)
50 W	25 m (82.02 ft)	50 m (164.04 ft)	44 m (144.36 ft)	88 m (288.72 ft)	62 m (203.41 ft)	124 m (406.82 ft)
60 W	20 m (65.62 ft) (1)	40 m (131.24 ft)	36 m (118.11 ft)	72 m (236.22 ft)	54 m (177.16 ft) (3)	108 m (171.30 ft)
70 W	15 m (49.21 ft)	30 m (98.42 ft)	30 m (98.43 ft)	60 m (196.86 ft)	50 m (164.04 ft)	100 m (328.08 ft)
80 W	14 m (45.93 ft)	28 m (91.86 ft)	27 m (88.58 ft)	54 m (177.16 ft)	46 m (150.92 ft)	92 m (211.84 ft)
90 W	13 m (42.65 ft)	26 m (85.30 ft)	24 m (78.74 ft)	48 m (157.48 ft)	42 m (137.76 ft)	84 m (275.52 ft)
100W	12 m (39.37 ft)	24 m (78.74 ft)	21 m (68.90 ft)	41 m (137.80 ft)	36 m (118.11 ft)	72 m (236.22 ft)
120 W	10 m (32.81 ft)	20 m (65.62 ft)	18 m (59.06 ft)	36 m (118.11 ft)	30 m (98.43 ft)	60 m (196.86 ft)
250 W	4 m (13.12 ft)	8 m (26.24 ft)	9 m (29.52 ft)	18 m (59.05 ft)	17 m (55.77 ft)	34 m (112 ft)

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



This example shows the correct way of installing the system using LS604 Drop Cable

- The total load on RUN1 is 60 watts over 20 metres (65.62 ft) which is allowed in the Voltage Drop Chart above (refer to (1)). The load on RUN2 is 40 watts and using a doubled cable allows the run to be up to 60 metres long (196.85 ft) (refer to (2)). In Voltage Drop Chart).



This example shows the correct way of installing the system using LS604-10 Trunk Cable

- The total load on RUN1 is 60 watts at 54 metres (177.17 ft) which is themaximum allowed in the Voltage Drop Chart above (refer to (3)). The load on RUN2 is 40 watts and using a doubled cable allows the run to be up to 168 metres (551.18 ft) long (refer to (4) in Voltage Drop Chart).

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 Lumascape 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.