

# Installation Instructions

## 304 Stainless Steel Outdoor Inground/ Recessed Lights

**superlux**  
we engineer light

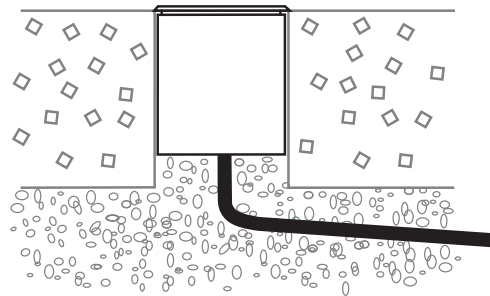
**IP67**

### General instructions:

#### 1. IMPORTANT INSTALL USING A REGISTERED ELECTRICIAN

Ensure you read the instructions in full before commencing installation.

2. Choose your mounting position carefully to ensure adequate drainage of the fitting. The fitting must never be sitting in water. Mount on a raised or level surface not in a dip. Ensure location is not prone to excessive loading see kg limits below. If the pavement is not on a gravel bed install a drainage pipe along with the electrical conduit.



3. All fittings have a plastic mounting niche included. Please see chart below for preparing the cavity. The top of the niche should be below the level of the finished surface, correctly calculate the required height of the top of the niche to the finished surface. Extra cavity depth may be required below the niche for the IP cable connection.

Model:	Volts	Cavity for Niche mm	Vehicle Kg Maximum
LLEDT130	230-240V	115 Ø x 145 Height	2000 Kg
LLED7120	230-240V	105 Ø x 100 Height	2000 Kg
LL120	12V	105 Ø x 125 Height	1000 Kg
LLED731	230-240V	68 Ø x 100 Height	1000 Kg
LLED734	230-240V	68 Ø x 100 Height	1000 Kg
LLED730	12V	68 Ø x 100 Height	1000 Kg
LLED521	12V	48 Ø x 85 Height	1000 Kg
LV731	12V	68 Ø x 100 Height	1000 Kg
LV732	12V	68 Ø x 100 Height	1000 Kg

4. Ensure that all cable connections are made water proof IP67 to the outer sheath of the cable.

#### 5. Wiring of fixtures:

##### 230-240 Volt Fixtures

Connect Green/Yellow wire to Earth, Brown wire to Phase, Blue to Neutral.

##### 12 Volt AC/DC constant voltage fixtures

These may be supplied from a 12volt transformer or 12volt constant voltage driver. For drivers connect Positive to Brown wire and Negative to Blue wire. Fixtures must be wired in parallel NOT in series.

##### Note for model: LL120

As this fixture has a replaceable lamp ensure enough cable remains so the fixture can be lifted out of the niche and inverted. To remove the flange for lamp replacement unscrew the 4x nuts with a screw driver.

**Cleaning** - Outdoor Stainless Steel fittings can be a high maintenance option. Stainless Steel will not corrode with pure water alone; however, dampness can cause corrosion like stains when there are contaminants on the steel. There are various grades of stainless steel designed to resist different types of contaminants. Superlux use grades that are most suitable for the vast variety of lighting installations. Contaminants can be sea air, garden/agricultural sprays, fertilizers, natural tree and plant materials, swimming pools and man-made pollutants. Where these pollutants wash off with rain in open areas, problems are less likely, but when bare metal fixtures are installed in sheltered or tree covered areas, corrosion staining is inevitable. In such situations, exposed to the seaside or other contaminants, regular washing with soapy water is a must to maintain the shiny bare metal look. A car wax or special stainless steel rejuvenating polish can be applied to extend the maintenance period.

**Please ensure this document is retained.**