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# Ace Lamps

A division of Direct Electrical Services

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## INSTALLATION GUIDE FOR [LED-TR-WH](#) GROUND LIGHT



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Please read instructions before commencing installation and retain for future reference. The unit must be earthed.

We recommend the use of qualified electrician for all electrical installations. Installation must comply with current IEE Wiring Regulations.

Run supply wire from a 5-amp electrical supply using double insulated 3-core cable of type H05RN-F 1.0mm<sup>2</sup> (not supplied). A waterproof junction box/terminal connector is also required.

Switch off mains electrical supply before installation.

Supply: 230/240V 50Hz

Temperature range: 20 degs to 40 degs

Terminals suitable for cable sizes from 0.75mm sq to 1.5mm sq

1. Run cable (not supplied) from mains electrical supply to selected site, ensuring it is adequately protected through the full length of the cable run. Avoid: a) positions in

path centre where pedestrian may trip on edge of light b) low points where water collects.

2. Except where installed in a conduit or duct, which provides equivalent protection against mechanical damage, a cable buried in the ground shall incorporate an earthed armour or metal sheath or both, suitable for use as a protective conductor, or be of insulated concentric construction. Buried cables shall be marked by cable covers or a suitable marking tape. Buried conduits and ducts shall be suitably identified. Buried cables, conduits and ducts shall be at a sufficient depth to avoid being damaged by any reasonably foreseeable disturbance of the ground.
3. Remove top section of luminaire from sleeve (if fitted) by removing front screws.
4. Create a recess for the sleeve. The main sleeve should be mounted in the ground, with the top edge level with the surface. There needs to be at least 30cm of loose material below the sleeve to provide drainage around the luminaire. Check for location of buried cables before making recess.
5. Create a hole in the sleeve (if not already provided) and thread the cable from the luminaire through this exit hole.
6. Secure the sleeve in the created recess.
7. Connect the top section of the luminaire to the sleeve using the screws provided.
8. Using a suitable connector block in a waterproof terminal box (not supplied) connect the supply wires to the wires from the luminaire as follows-

Incoming live (Brown or Red) to the luminaire live wire (Brown)

Incoming neutral (Blue or Black) to the luminaire neutral wire (Blue)

Incoming earth (Green/Yellow or bare copper) to the luminaire earth wire (Green/Yellow).

Ensure that no strands of bare wire have escaped the terminals.

9. Switch on luminaire and ensure it operates correctly.
10. Clean only with damp cloth or soapy water. Do not use abrasive cleaners.

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