

# LED Colour Changing Ground Light

## R6LED1RGB light fitting

Please read instructions before commencing installation and retain for future reference.

### Specification:

Colour changing ground light for indoor or outdoor use, recessed in floor or decking, with 3mm thick glass, and 9 light emitting diodes (L.E.D) with 3m cable.

Protection against electric shock: Luminaires Class 111, ( SELV)

Dimensions: Top flange diameter 60mm, 2mm thick  
Body diameter 45mm, depth 67mm  
Cut-out size 50mm

Supply: 12V from Transformer with SELV equivalent output  
(transformer not included) max 1.5VA consumption

Temperature range:  $-20^{\circ}\text{C} < t_a < 40^{\circ}\text{C}$



Suitable for mounting on normally flammable surface, e.g. wooden decking

Luminaire ingress protection: IP67, dust and water proof

Complies with EN60598-1, EN55015, EN61547, EN61000-3-2/-3

### Installation:

! Electrical products can cause death or injury, or damage to property. If in any doubt about the installation or use of this product, consult a competent electrician.

1 Ensure mains supply is switched off before commencing work.

2 Location:

**Avoid:** positions in path centre where pedestrian may trip on edge of light

Check wiring path layout, cable lengths, and suitable transformer locations etc before commencing work. If connector between transformer and fittings (low voltage output line) is to be buried, ensure that drainage is provided so that junction point does not become waterlogged.

3 The body may be fixed directly into wooden decking. This requires a cut-out hole 50mm diameter in the deck.

4 **Safety note!** The transformer must not be buried in the ground. It is protected against water splashes but must not be located where it may become waterlogged.

5 Please note that the transformer used to power this fitting must be protected by a residual current circuit breaker (RCCB).

6 This fitting can be used in conjunction with a Robus R6LED3 Kit using accessory R4CONLEDL (Note max 4 fittings may be operated from the 6VA transformer supplied with the Kit

7 This kit has no user serviceable parts. If mains wiring is damaged, discontinue use.

### Stainless Steel Fittings - Maintenance Instructions

The stainless steel trim on this product has very high resistance to corrosion. Despite this, blotches may appear on the surface of the stainless steel. They can be removed by a soft cloth soaked with neutral oil (WD-40 or equivalent). The cause of the blotching is due to some free iron atoms from the polishing wire brushes remaining on the surface and these atoms are outside the protection afforded by the nickel and chrome alloys in the steel.

Note: - If the product is exposed to very corrosive environmental conditions (sea fronts, salty atmospheres etc) it will require additional maintenance. Before installing, the stainless steel parts must be treated with neutral oil, which must penetrate all the joints. After treatment, dry with a soft cloth. In very corrosive environments, the treatment with oil must be repeated at least 4 times a year. In cases of serious corrosion use an abrasive paste (specifically designed for stainless steel or chrome) to remove the stain and then apply the neutral oil again.

**Attention:** Wood preservative and solvents can damage insulation on electric cables. Allow treatment to dry prior to installing deck lights. Do not apply preservatives after installing.

• The installation must be carried out by an electrician. •

