**Warranty**

Arlec guarantees this product in accordance with the Australian Consumer Law.

Arlec also warrants to the original first purchaser of this product ("you") from a retailer that this product will be free of defects in materials and workmanship for a period of 12 months from the date of purchase; provided the product is not used other than for the purpose, or in a manner not within the scope of the recommendations and limitations, specified by Arlec, is new and not damaged at the time of purchase, has not been subjected to abuse, misuse, neglect or damage, has not been modified or repaired without the approval of Arlec and has not been used for commercial purposes ("Warranty").

If you wish to claim on the Warranty, you must, at your own expense, return the product, and provide proof of original purchase and your name, address and telephone number, to Arlec at the address below or the retailer from whom you originally purchased the product within 12 months from the date of purchase.

Arlec will (or authorise the retailer to) assess any claim you may make on the Warranty in the above manner and if, in Arlec’s reasonable opinion, the Warranty applies, Arlec will at its own expense and expense (or authorise the retailer to) replace the product with the same or similar product or repair the product and return it to you or refund the price you paid for the product. Arlec will bear its own expense of doing those things, and you must bear any other expenses of claiming on the Warranty.

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Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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**TROUBLESHOOTING AND USER HINTS**

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**Round Bollard LED Light**

**LVG511**

**Installation Instructions**

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**Troubleshooting and User Hints**

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**For all Sales & Warranty enquiries**

Arlec Australia Pty. Ltd. ACN 009 322 105 ('Arlec') gives the Warranty.

Building 3, 31 – 41 Joseph Street, Blackburn North, Victoria, 3130

P.O. Box 1065, Blackburn North, 3130

Customer Service: (03) 9982 5111

Email: custservice@arlec.com.au

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Arlec Australia Pty Ltd (A.C.N. 009 322 105).

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**Keep these instructions in a safe place for future reference**

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**Installation Instructions**

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**Troubleshooting and User Hints**

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**CONNECTING GARDEN LIGHT TO LOW VOLTAGE CABLE**

**IMPORTANT:** Low voltage cable is **NOT** to be used for 240 volt wiring.

**NOTE:** Cable lengths greater than 18 metres may cause a small reduction in brightness to the lights furthest away from the transformer.

1. If you are adding lights to your existing garden lighting plan, first check that the transformer is powerful enough to illuminate lights. (See chart on page 4, **Maximum load Capacity of Arlec Garden Lighting Transformers**)
2. Additional cable can be joined to existing cable either at the end of the length, or joined anywhere along the cable using an Arlec Cable Connector LV700. Arlec low voltage cable is completely weatherproof and may be used above or below ground.
3. Lay low voltage cable out in position in readiness for connecting lights.
4. Plug the transformer into a household powerpoint and switch "ON". This will enable you to check light connections during installation. This operation is completely safe because the wiring is only carrying a low 12 volt.
5. Open the cable connector provided by unscrewing the top cover of the connector. Do not remove the insulating strip from the middle slot (Fig.1).
6. Fit the cable from the light into the narrower slot of the connector, keeping the cable straight, push it down onto the two spiked pins (Fig.2).
7. Fit the connector to the main garden lighting cable at the chosen position by placing the garden lighting cable in the larger slot of the cable connector. Push it down on to the two spiked pins (Fig.3).
8. Refit the cover of the cable connector and tighten all three screws.
9. The garden light should now illuminate. If the light does not illuminate, see section headed “Trouble Shooting and User Hints”

Each of the LVG511 presents a 1.5 watt load on the transformer. Precaution should be taken so as to make sure that the sums of the light wattages of your garden lights not exceed the wattage or VA rating of the transformer. For example, a 24 watt transformer running three 4 watt bulbs could also accept up to eight of these LVG 511 lights. 

\[
\text{ie } (3 \times 4 \text{watt}) + (8 \times 1.5 \text{ watt}) = 24 \text{ watts}
\]

**NOTES ON DESIGN OF YOUR GARDEN LIGHTING SYSTEM**

1. Ensure that the wattage of the transformer is greater than the total wattage of lights. For example, a 42 watt transformer is capable of supplying max 42 watts of lighting. If sixteen LVG511 lamps are to be installed (16 x 1.5 = 24 Watts), 18 Watts of lighting remains, which would accommodate three garden lights of 6 watts each, but only four, 4 watt lights could be connected.
2. If possible avoid cable runs of more than 18 metres, as reduced brightness may occur; and definitely no more than 32 metres. In larger systems, or where the total wattage is over 50 watts, split the lighting into two cable runs, where each cable comes back to be fed by the transformer. This will ensure better power distribution and globe brightness.

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<td>LV24 (24 watt)</td>
<td>16</td>
<td>32 metres</td>
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<tr>
<td>LV42 or LV42-T (42 watt)</td>
<td>28</td>
<td>32 metres</td>
</tr>
<tr>
<td>62001 (75 watt)</td>
<td>50</td>
<td>2 runs x 32 meters</td>
</tr>
<tr>
<td>LV90 (90 watt)</td>
<td>60</td>
<td>2 runs x 32 meters</td>
</tr>
<tr>
<td>LV250 (250 watt)</td>
<td>166</td>
<td>4 runs x 32 meters</td>
</tr>
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