

Storage & Maintenance

This product should always be stored indoors. The plastic support trays should be cleaned after each use to avoid future contamination from pests, bacteria or fungus. Clean the clear plastic sections covering the lights on the LED Grow Light Fixtures as needed as dust can reduce the light output. Ensure that the power has been turned off before any cleaning.

High-Rise LED Light Garden



We are here to help you get the best out of your High-Rise LED Light Garden so if you have any questions about this product, feel free to email us at info@garlandproducts.com.

This item is one of a number of uniquely designed, highly practical garden products offered by **Garland Products Ltd** and our subsidiary **Greenhouse Sensation**. Please visit our websites to view our full range.

Getting Started

The High-Rise LED Light Garden means you can bring the sun indoors. Successful growing requires warmth, water, nutrients and sunlight. Traditionally the lack of sunlight from later Autumn through to early Spring means that gardeners must wait impatiently before seed starting and growing. The High-Rise LED Light Garden means that you can now grow nutritious micro greens and herbs all year long and get a head start with seeds for outdoor planting. The full spectrum light supplied also means that you can give an out of season boost to your house plants which can often be starved of light in the darker months. However you use it, the High-Rise LED Light Garden will ensure healthier plants which in turn will produce larger crops and better results.

Your LED Grow Light Fixtures provide a full spectrum colour temperature of 6400 Kelvin. This ideal balance of cooler blue hues and warmer red hues replicates the natural solar spectrum to mimic bright, natural sunlight.

Setting the height of your lights

The base of the LED Grow Light Fixture can be set as low as 10cm (4") from the base of the Plastic Support Tray and as high as 47cm (18.5"). Each bracket slot increases/decreases the height of the LED Grow Light Fixture by 5.4cm (2.25"). By adjusting the height of the LED Grow Light Fixtures, you vary the intensity of light that your plants receive. The closer the distance between the lights and the plants, the greater the light intensity. For seedlings, we recommend that the base of the LED Grow Light Fixtures should be within 6cm to 9cm (2.5" to 3.5") of the leaf canopy. This is to prevent the seedlings from becoming "leggy". As our LED lights give off relatively little heat, there is little risk of leaf scorching even with the lights this close to your seedlings. Increase the height of the lights as your seedlings develop. Developed seedlings and more mature plants do not require the same light intensity so the distance from the LED Grow Light Fixtures can be increased to between 15cm and 20cm (6" and 8") from the leaf canopy.

How long to leave your lights on?

All plants will benefit from a period of darkness. After all the sun does not shine all day! Just as the High-Rise LED Light Garden looks to mimic natural sunlight, you should mimic the natural cycle of the sun by turning the lights off for a portion of the day. Typically, plants can be categorised as "short day" or "long day" plants. Short day plants such as chrysanthemums and begonias will fare best on less than 12 hours of light per day while long day plants require around 16 hours of light per day. Seedlings and young plants for vegetables, micro greens, herbs and garden flowers fall into the category of long day plants. Consider therefore, turning off the lights as you go to bed or invest in a simple timer.

Seed Starting Advice

The High-Rise LED Light Garden is the ideal year-round product for seed starting. You can get a head start on the regular growing season thanks to the full spectrum lights, but you can also grow "seed to plate" micro greens and herbs all year long, ensuring a fresh supply of home-grown greens. Micro greens are becoming hugely popular as they are fast growing and highly nutritious with some varieties producing crops in as little as 7 days. When growing from seed, we have already detailed how best to set the height of your lights as well as for how long to leave your lights switched on, but more useful tips and advice follow to maximise your results.

- Maintain a consistent temperature. Most seeds will develop well with an ambient temperature of 20° Celsius. Avoid locations with cool draughts or close to heat sources such as radiators.
- Water regularly but not too much! Seedlings fare best in a moist but not wet compost. Watering from the bottom can ensure that only the water required by your plants is wicked up via capillary action. The Plastic Support Trays supplied with this product really come into their own here as they can provide an ideal water reservoir table.
- Don't forget to label your seedlings. Young seedlings can look very similar so it's a good idea to label your seeds when you sow them.

- Try to maintain air circulation. Growing indoors can mean stagnant air, so it is good to try to replicate the same air movement that occurs outdoors. Gentle air movement encourages stronger stems and sturdier plants. It also helps to prevent microorganisms like mould and fungus developing in your growing medium. A simple oscillating fan set at low speed will do the trick.
- Light intensity will be at its strongest in the centre of each Plant Support Tray under each LED Grow Light Fixture, so you might like to consider rotating the position of any pots or smaller trays sat on the Plant Support Tray to ensure your plants receive a variation in light intensity.
- To feed or not to feed? Assuming you use a typical potting mix, it is highly likely that it contains all the nutrients that seedlings and young plants will need. If you use choose to use an inert growing medium like coir or jute, you may need to consider adding a liquid feed once the second set of leaves (aka true leaves) appear.

Seed Starting Kits for use with your High-Rise Grow Light Garden

The 3 Plastic Support Trays featured in the High-Rise Grow Light Garden are each perfectly sized to accommodate 4 of Garland's standard size seed trays or 7 of Garland's uniquely sized narrow seed trays. At our sister site, www.greenhousesensation.co.uk, we have a fantastic range of options from simple seed trays (standard & narrow) available with and without clear humidity covers, to a variety of kits (some self-watering), which allow you to get the maximum yield from the space provided by each Plastic Support Tray.

Watering

The High-Rise Grow Light Garden features 3 Plastic Support Trays. These trays act as a waterproof container into which you can add your chosen trays or pots. The trays also prevent water dropping from above on to the LED Grow Light Fixtures. You can add water to the Plastic Support Trays thereby watering your plants from below by natural capillary action. For added safety, please turn off the power to the LED Grow Light Fixtures before any form of watering is carried out. Take extra care, to ensure that water is not spilled on to the LED Grow Light Fixtures and if this does happen, you should mop up the water immediately but only after turning off the power.

Guarantee

This product carries a 2 year guarantee from date of purchase. In the event of a claim, please contact us for further instructions. Please keep your purchase receipt and/or purchase confirmation as this will be needed should you make a claim. The guarantee will be honoured only if the product has been used in accordance with the instructions, has been connected to a suitable power supply, has not been repaired or modified and has not been misused, neglected or damaged. Please read the leaflet titled IMPORTANT SAFETY INSTRUCTIONS to ensure you operate the product correctly.