

EARTHpod

Leading the way in propagation luminaries.

A propagation light designed to tackle your clone and seedling needs with all the tenderness of mother nature but with all the speed of growth technology can offer. Thanks to their low heat signature you can have full confidence that your little ones will not bleach or burn and can grow strong without impediment.



Lights on.
Grow.



Plug & Play:
Service without an
electrician



Temperature:
-25°C to +35°C



IP Rating:
Water resistant



AgriSmart Engineering



Horticultural LED Lighting
The EARTHpod



Combine the EARTH range's ability to adapt to your environment with either Bluetooth™ or Wi-Fi receiver systems for all your timing & dimming requirements. Add a daylight harvesting sensor to your facility and now you can control how much or little power you use when allowing in sunlight & control all of this from your phone.

KEY FEATURES

- **2 Distinct spectrums**
To suit your seedlings
- **3 Distribution options**
Options to compliment your setup
- **Low heat system**
To prevent bleaching or burning
- **Inter foliage**
For maximum penetration between plants
- **Locally designed & produced**
Experts close at hand
- **Fully serviceable**
Saving you time & money
- **4 kV surge protection**
Increased protection
- **Water resistant (IP65)**
For easy watering



A lighting propagation system engineered for rapid & robust growth.

Designed with medium powered LED's and accompanied by a low heat signature this luminaire has been created to best provide your seedlings and clones with excellent primary and secondary stalk thickness and vigorous root/foilage development. Thanks to its tailored spectrums for early development you can expect robust, healthy seedlings grown at rapid pace.

The EARTHpods design makes it an incredibly versatile light able to be positioned on virtually any axis of orientation without issue making it excellent for both inter-foliage positioning, top-down applications or any variant in-between. At its core, this is a waterproof, clear polycarbonate tube of LED's and a separate water-proof LED driver combination. We have several popular configurations of the EARTHpod but this series allows us to create a bespoke solution based on your specific cloning requirements. So please get in touch with one of our green minded specialists for a custom-made solution to your needs.

*no chemicals/alcohol





To assist us in creating a tailored solution for your plants we'd like you to consider the following:

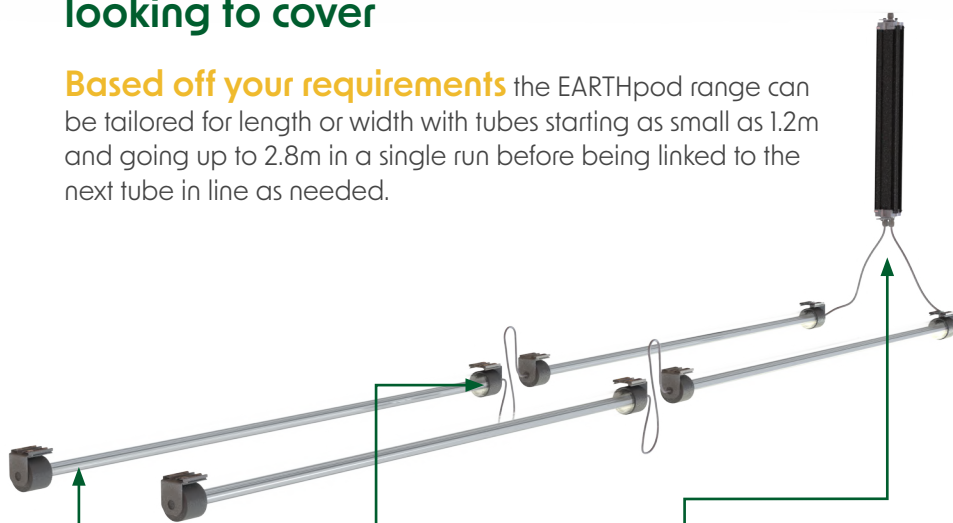
- What spectrum do you require?
- What is the size of our area?
- Where & how do you want your light focused?

Spectrum

Your stage of plant development will determine the required spectrum, for example; **Veg** (Blue-rich Spectrum promoting root growth & short nodes), **Bloom** (Red-rich Spectrum promoting the growth of flowers and fruits)

How large or small of an area are you looking to cover

Based off your requirements the EARTHpod range can be tailored for length or width with tubes starting as small as 1.2m and going up to 2.8m in a single run before being linked to the next tube in line as needed.

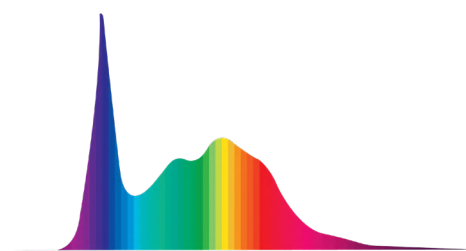


Pod Our polycarb tube has been designed to ensure minimal loss of light and to protect with an IK08 rating the sensitive components from the occasional and inevitable knocks of life

End Caps Our endcaps are IP65 rated to ensure the luminaire remains safe when you spray down your facility or when you water crops

Driver Thanks to our remote driver design our german engineered LED boards can exist quite happily inside the tube without fear of overheating and maintain their low heat signatures

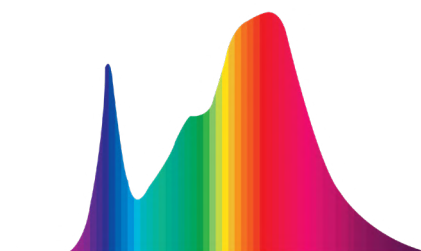
Earth™ Veg 1.5:1 Spectrum



Special Characteristics at Tc= 65C

Blue	Green	Red	Far Red
280 - 499nm	500 - 599nm	600 - 699nm	> 700nm
33.2 %	42.2 %	22.4 %	2 %
Peak @ 451nm		Peak @ 641nm & 662nm	

Earth™ Bloom 0.5:1 Spectrum



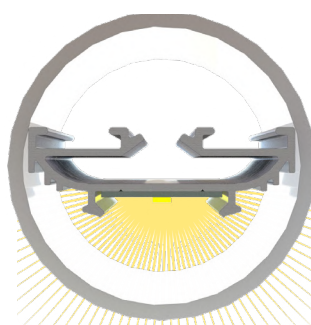
Special Characteristics at Tc= 65C

Blue	Green	Red	Far Red
280 - 499nm	500 - 599nm	600 - 699nm	> 700nm
16.8 %	41.4 %	38.1 %	3.5 %
Peak @ 450nm		Peak @ 660nm	Peak @ 740nm



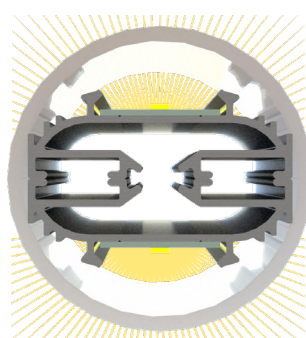
Where and how do you need the light exiting from the POD tube?

With three different options for the distribution of light, the EARTHpod can be tailored for what works best for you. Thinking of an inter-foliage solution, then a Bi-Directional distribution might be best, want to focus your energy on a specific area, perhaps the lens is best. Bottom line, let's ensure that you get what your plants need and aren't boxed in by limitations.



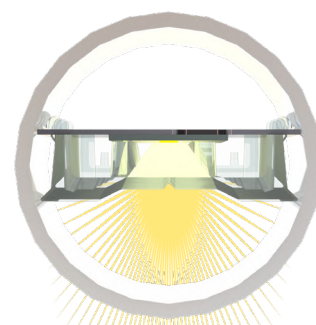
Standard

Up close and personal to your plants - 1 direction



Bi-Direction

Up close and personal to your plants - 2 directions



LENS

Add some localised intensity or distance from the light source

BI-DIRECTION APPLICATION EXAMPLE:

Energywise's first horticultural fitting in 2017 was a POD system. The request was for lighting in a shipping container to grow aeroponic strawberries. It looked like this:

Start with 1 air-conditioned cargo container add a good helping of vertical aeroponic grow containers with EARTHpod tube fittings hung down between plants. Sprinkle with strawberry seedlings and watch an urban container flourish:

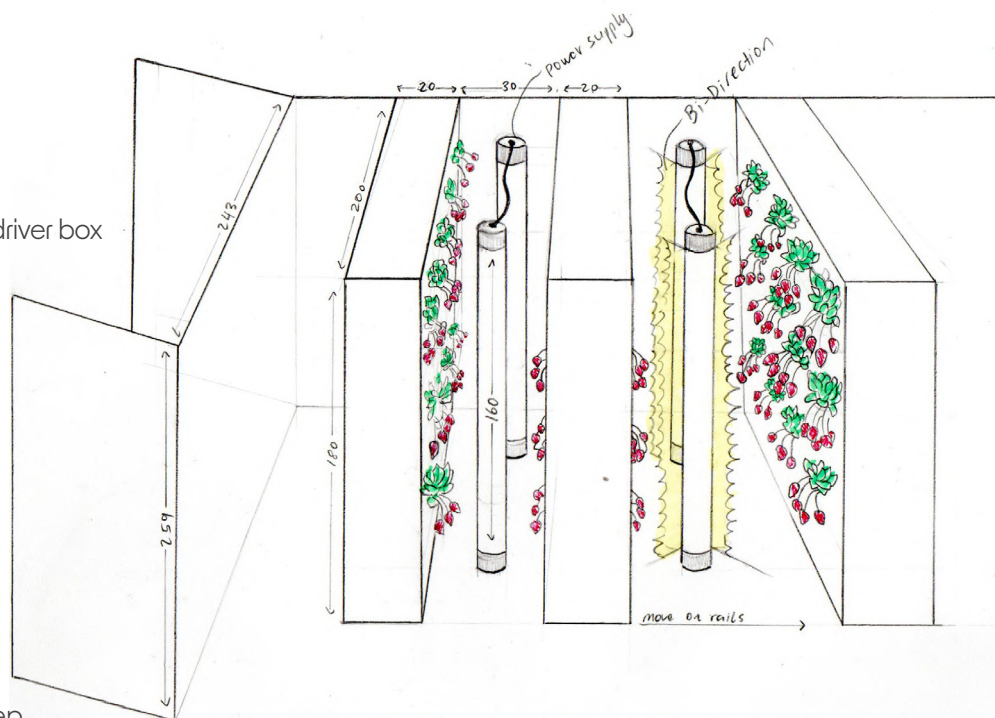
- Closed water cycle
- Sell where you grow
- Just picked freshness.

EARTHpod Configuration:

- Bi-directional EARTHpod lights
- Installed vertically between plants
- 2 x 1.5m Bi-direction tubes/double driver box

These fittings are also being used highly successfully for clone and seedling propagation - no more fluorescent woes - our EARTHpods are IP65 so environments with up to 90% humidity pose no threat, making them ideal for propagation rooms/chambers and a breeze to clean.

Other standard fittings configurations to date have been primarily Cannabis clone propagation lights to fill 600mm deep shelving. The set-up that is working very well this is 2 x EARTHpod tubes mounted 250mm apart from each other and centralised to the shelf depth.





Specifications



5 Year warranty

[*Click here for terms and conditions](#)



Bluetooth and Wifi enabled with Phone App (on request)



Lenses on request: 110°, 90°, 60° & 30°



Operating temperature range is -25°C to +35°C



Locally designed & produced



Locally serviceable



Polycarbonate (IK08) lenses



Dimmable DALI (1-100%) / Non-Dimmable (on request)



Protection – suitable for mains voltage peaks (burst/surge) up to 4 kV



Upgradeable to 10kV surge protection (on request)



Standard 120° (no lens), Single or Bi-directional (on request)



IP 65



GMP Certified



The **EARTHpod Series** is designed off the same body as our Explosion Proof Pod used in hostile lighting environments ranging from refineries to mines. This pod has been redesigned for horticultural use, perfecting light distribution and utilizing the latest growlight LED technology to create one of the most rugged luminaries in our entire lighting catalogue and a perfect companion for both the small and commercial scale farmer.



EARTHTM
HORTICULTURAL LIGHTING SYSTEM



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Energywise lighting options

Energywise specialises in LED luminaries for industrial, EX, commercial and horticultural applications.

INDUSTRIAL

Lights on



Bay XP

Factories, Warehouses, Cold rooms etc.

Standard
Height: 6-25m
IP: 65
Temp: 40°C

Bay XL

Factories, Warehouses, Supply rooms etc.

Standard
Height: 3-20m
IP: 40
Temp: 30°C

Bay XE

Factories, Warehouses, Supply rooms etc.

Standard
Height: 6-25m
IP: 20
Temp: 30°C

DUSTPROOF

Warehouses, Car parks, Corridors.

Standard
Height: 2.5-8m
IP: 66
Temp: 35°C

Torch Bulkhead

Heavy industrial areas.

Standard
Height: 2-10m
IP: 65
Temp: 30°C



HIGHbay XF

Light industrial econo low bay.

Standard
Height: 2-10m
IP: 20
Temp: 30°C

LOWbay XF

Light industrial econo low bay, Task lighting.

Standard
Height: 2-10m
IP: 20
Temp: 30°C

LED eBay

Light industrial diffused low bay

Standard
Height: 2-10m
IP: 40
Temp: 35°C

RETROFIT



Retrofit 44

Converting old HID tech to LED

Standard
Height: 8m
IP: 00
Temp: 30°C

Retrofit 22

Converting old HID bulkhead to LED

Standard
Height: 10m
IP: 00
Temp: 35°C

Bricklight

Recessed wall light

Standard
Height: 2m
IP: 00
Temp: 30°C

RETAIL & COMMERCIAL



LEDrail 1000

Shops, Production facilities, parking

Standard
Height: 2.5-10m
IP: 40
Temp: 30°C

LEDrail 2000

Shops, Sheds, Underground parking

Standard
Height: 2.5-10m
IP: 40
Temp: 30°C

LEDrail 4000

Retail, board rooms, department stores.

Standard
Height: 2.5-6m
IP: 40
Temp: 35°C

LEDrail 8000

Retail, board rooms, department stores.

Standard
Height: 2.5-6m
IP: 40
Temp: 35°C

LEDrail 4-100

All retail outlets, showrooms, offices etc

Standard
Height: 2.5-10m
IP: 40
Temp: 35°C

LEDrail 4LCO

Shops, Production facilities, showrooms.

Standard
Height: 2.5-10m
IP: 40
Temp: 35°C

LEDRAIL 4-100 GAP

Retail applications, Hardware stores etc

Standard
Height: 2.5-10m
IP: 40
Temp: 35°C

EX



EX Bay XP

Factories, Warehouses, Mills, Marine etc.

Standard
Height: 6-25m
IP: 65
Temp: 40°C

EX Flood

Factories, Warehouses, Mills, Marine etc.

Standard
Height: 3-10m
IP: 65
Temp: 40°C

EX DUSTPROOF PREMIUM

Warehouses, Car parks, Mills.

Standard
Height: 2.5-8m
IP: 65
Temp: 40°C

EX DUSTPROOF

Warehouses, Car parks, Corridors, Mills.

Standard
Height: 2.5-8m
IP: 65
Temp: 40°C

EX Pod

Factories, Mines, Marine etc.

Standard
Height: 2-5m
IP: 68
Temp: 40°C

EX Torch

Heavy industrial areas.

Standard
Height: 2-10m
IP: 65
Temp: 40°C

EARTH



EARTHbay

Horticulture, Open areas etc

Standard
Height: 2.5m
IP: 65
Temp: 35°C

EARTHplate

Horticulture, Rack/ Under shelf etc

Standard
Height: 0.5m
IP: 65
Temp: 35°C

EARTHpod

Horticulture, Propagation, Racks etc.

Standard
Height: 0.2m
IP: 65
Temp: 35°C

EARTHaxis

Grow tent horticulture

Standard
Height: 0.2m
IP: 65
Temp: 35°C

Job done

energywise

Better light through research.