

LEDrail 4LCO

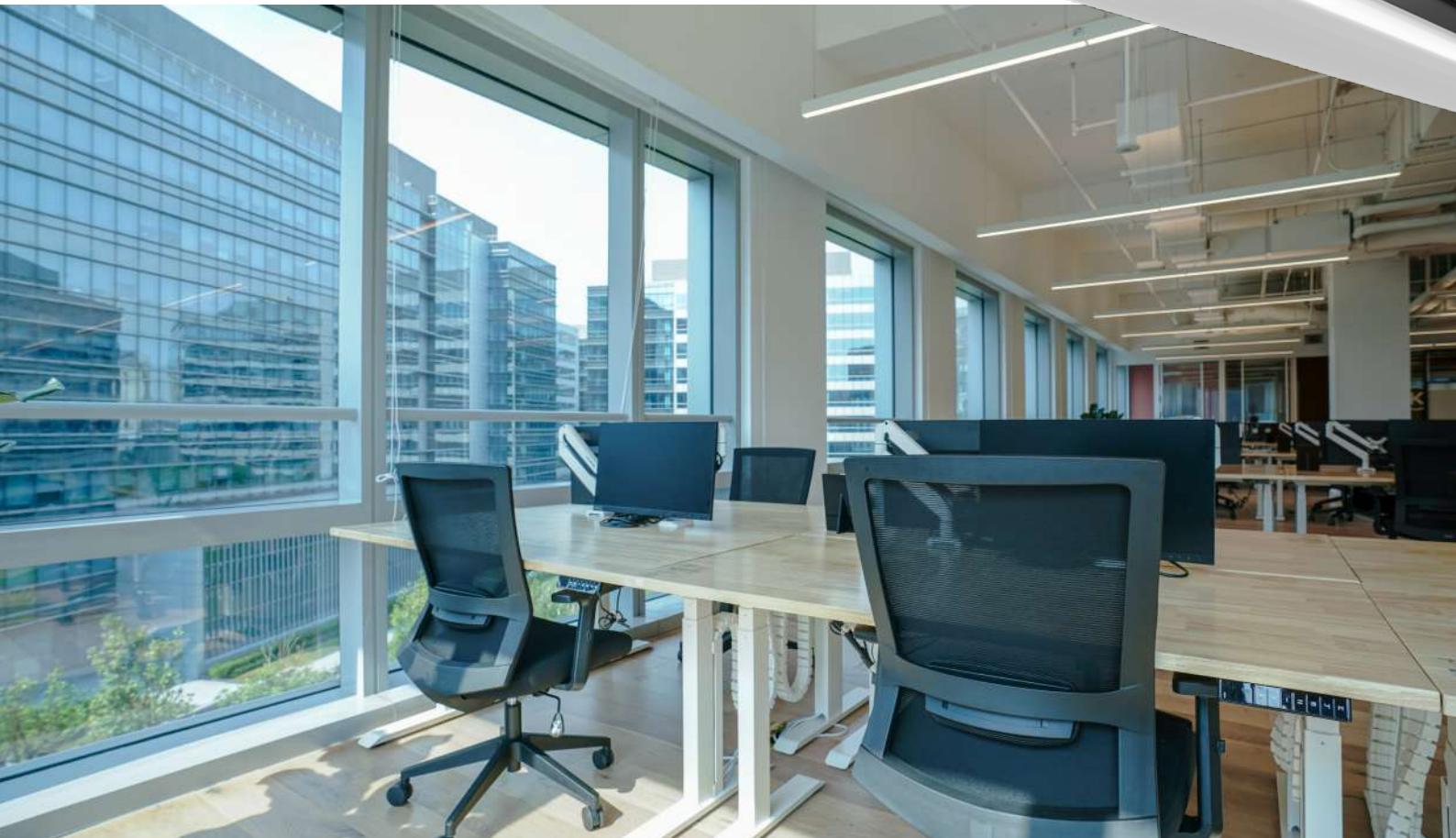
Where functionality meets beauty.

The LEDrail 4LCO, the perfect blend of innovation and convenience. Designed with our signature **SNAP & GO** technology, maintenance has never been easier - No fuss, no hassle, just quick and efficient upkeep. But that's not all, the LEDrail 4LCO also delivers beautifully diffused lighting that's gentle on the eye, creating a soft inviting atmosphere in any space.



Retail

IP 40



Proudly manufactured in
South Africa using
European LED Technology



kV Protection:
1kV-2kV,
4kV or 10kV on
request



Indoor



**Acrylic
Diffuser**



**5 Year
Warranty**

energywise

Better light
through research.

A blend of innovation and convenience

Beautifully diffused lighting

The LEDrail 4LCO is equipped with a meticulously engineered diffuser that transforms lighting into an art form. This advanced diffuser is designed to evenly disperse light across your space, eliminating harsh shadows and bright spots.

Not only does the diffuser create a visually stunning effect, but it also contributes to the fixture's overall energy efficiency. By optimizing the spread of light, the LEDrail 4LCO ensures that you get the maximum benefit from every lumen, providing brilliant illumination without wasted energy.

Ideal for a myriad of environments, our diffuser finds its true calling in automotive factories, where precision is paramount and glare can be a hindrance. Its 120-degree spread ensures that every corner is properly illuminated, creating a safer and more productive workspace.

KEY FEATURES

6 SIZE OPTIONS

- LEDrail 4LCO 102 560mm
- LEDrail 4LCO 104 1120mm
- LEDrail 4LCO 105 1400mm
- LEDrail 4LCO 106 1680mm
- LEDrail 4LCO 108 2240mm
- LEDrail 4LCO 110 2800mm

DIFFUSER

- Our acrylic diffuser allows for a wider and even distribution of light, making it a beautiful product for boardrooms and the like.

MOUNTING OPTIONS

- Ceiling, Floating or Pendant
- Suspended
- Surface mount



Optional:
Bluetooth, Wifi,
Dali & Bi Level.
Casambi App
featured above.



*25°C is for Textbooks, Not Africa's Sun:
All EW Lights are designed for the 30°C Reality. Minimum.

Specifications

From manufacturing plants to retail floors.

Standard fitting finish options are white, anodised and black. Bespoke colour options on request.



kV Protection:
1kV-2kV. 4kV or
10kV on request



5000K standard
3000K, 4000K,
6500K available
CR>80 R9>13



Indoor



Colour Options:
White, & Black



**Suspended/
Pendant Mount**



**Ceiling
Mount**



**Acrylic
Diffuser**

102

104

105

106

108

110

Raw Lumen up to: Effective Lumen up to:	2920 - 3512 lm 2336 - 2734 lm	5840 - 9952 lm 4672 - 7280 lm	7300 - 12440 lm 5840 - 9100 lm	8760 - 14928 lm 7008 - 10920 lm	11680 - 19904 lm 9344 - 14560 lm	14600 - 24880 lm 11680 - 18200 lm
240V:	18W - 21W	35W - 59W	44W - 74W	53W - 89W	70W - 118W	88W - 148W
Raw Efficacy up to: Effective Efficacy up to:	166 - 164 lm/w 133 - 128 lm/w	166 - 168 lm/w 133 - 123 lm/w	166 - 168 lm/w 133 - 123 lm/w	166 - 168 lm/w 133 - 123 lm/w	166 - 168 lm/w 133 - 123 lm/w	166 - 168 lm/w 133 - 123 lm/w
Max Ta: L&B:	40°C L80 B10 70000Hrs	40°C L80 B10 70000Hrs	40°C L80 B10 70000Hrs	40°C L80 B10 70000Hrs	40°C L80 B10 70000Hrs	40°C L80 B10 70000Hrs
	560mm	1120mm	1400mm	1680mm	2240mm	2800mm

SNAP & GO No tools, no fuss, no problem

The **Snap & Go** feature of the LEDrail 4LCO is designed to make maintenance a breeze, redefining convenience in lighting solutions. With this innovative mechanism, accessing the fixture for maintenance or routine checks is as simple as a quick snap without having to remove the trunking installation. No more fumbling with tools or struggling with complex setups—just a seamless, intuitive process that is as easy as 1,2,3.

1

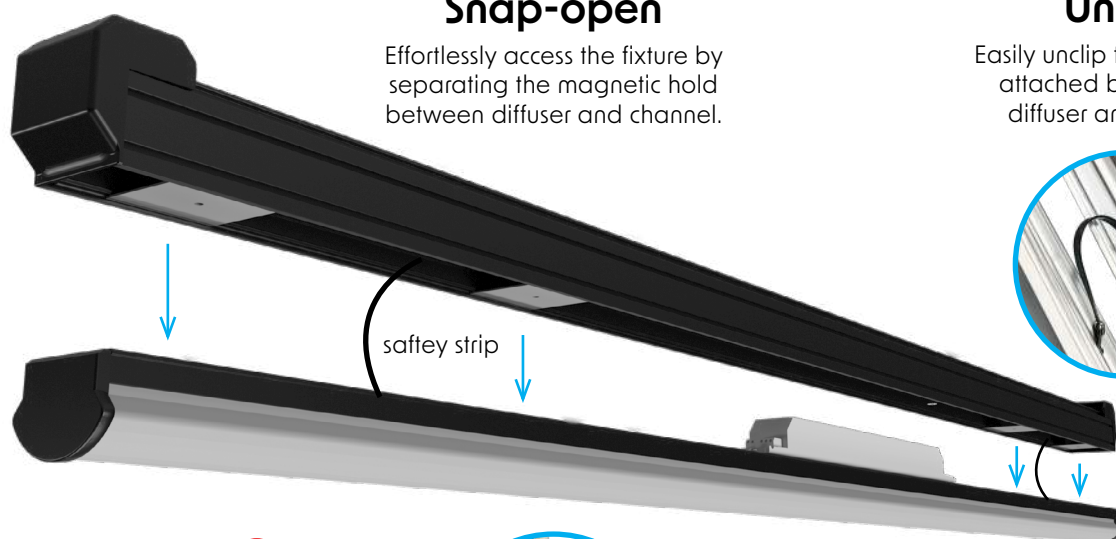
Snap-open

Effortlessly access the fixture by separating the magnetic hold between diffuser and channel.

2

Unclip

Easily unclip the safety strip attached between the diffuser and channel.



3

Disconnect

Seamlessly disconnect the
3-way yellow connector.
It's that simple.

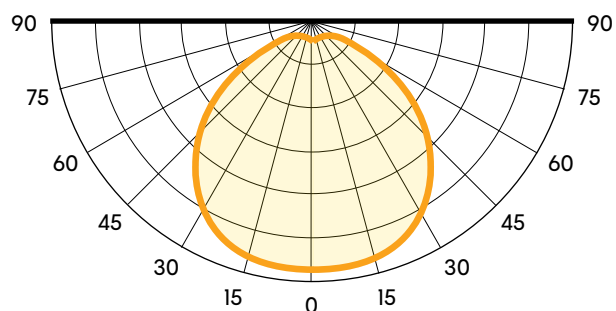


Diffused light

Light to work to.

The diffuser designed for the 4LCO provides a low glare perfect for offices, boardrooms, and a host of commercial environments.

Introducing our 120-degree diffuser, designed to deliver not just light, but an experience. Say goodbye to harsh glare and hello to a beautifully illuminated environment. Crafted to perfection, this diffuser ensures that light is distributed evenly, creating a welcoming ambiance in any setting.



120° Diffuser

A Closer Look

Engineered to the highest standards.

Driver

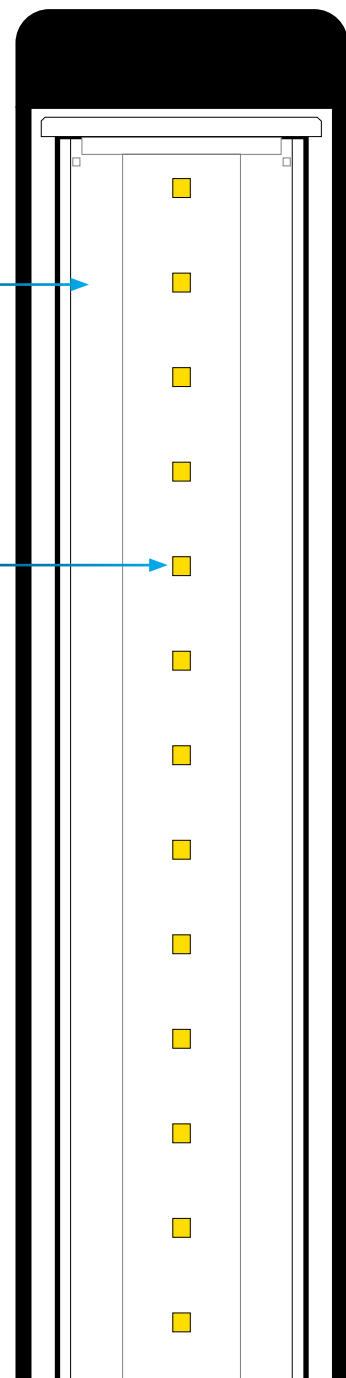
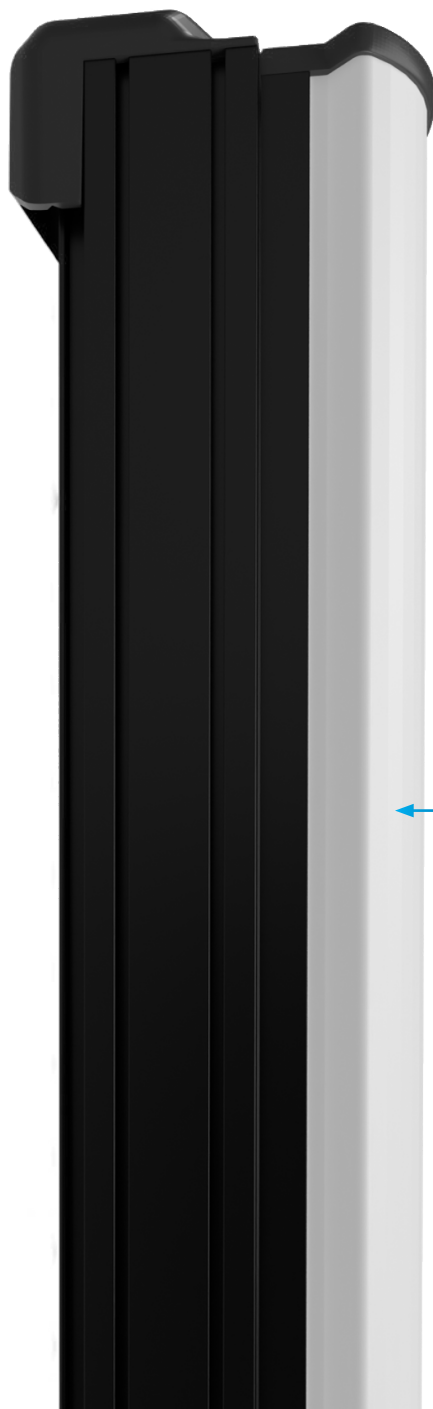
The driver powering this elegant light is housed within the fitting body to add to that slick, simple design. Suitable for tougher South African conditions and designed to last up to 70 000 hours.

LEDs

Sourced from the best component manufacturers in Europe to ensure maximum lifespan, quality and light spectrums.

Diffuser

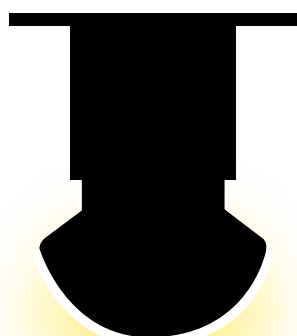
A harmonious band of light pours through our acrylic diffuser. It allows for wider and even distribution of light creating a welcoming ambiance in any environment.



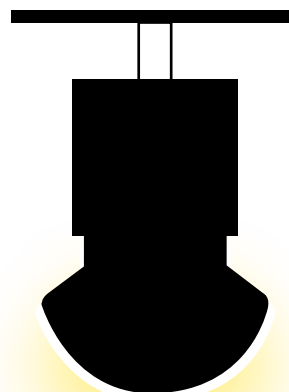
Installation

Easy to install, Saving you time & money

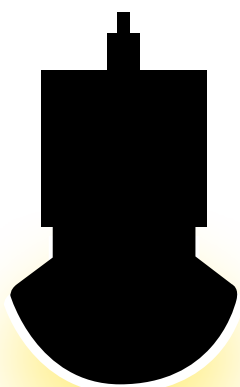
The LEDrail 4000 family are simple to install with a few different mounting options. Please specify your preference when ordering your LEDrail.



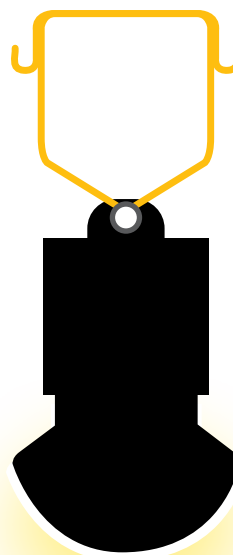
Ceiling Mount
A simple system to mount your new fittings directly to most ceilings.



Floating Mount
A mount for areas where a ceiling mount isn't possible.



Suspended Mount
For hanging the fitting at your desired height.



P2000 Mount
For hanging the fitting on a P2000 trunking.
Optional

Disclaimer:

Although every effort is made to ensure that at the time of publication, the technical details here within, are accurate, true and in line with the latest production specifications, we do reserve the right to change or upgrade any of the details without prior notice, agreement or warning, for any of our products or components.

Our products and their performance are in constant evolution through:

- technology upgrades to improve energy efficiency and performance, increased safety and cost effectiveness
- to comply or conform to suppliers updates or according to new safety standards.

The true nature of any upgrade is always to provide a better product, therefore, there will be no recourse for any complaints or claims of any nature regarding changes to specs.

We are ISO 9001-2015 compliant and our assembly line follows IEC 60958 guidelines – our products are covered by a Product Liability Policy.

Our LED products are covered by a 5 year warranty*

*T&C's apply, please check with Head Office for further details.

Effective lumen output after warmup:

We follow the same practice as other professional manufacturers in providing Effective Performance Data (Lumens, Watts and L&B) that are inclusive of driver and LED thermal losses during the warm-up period.

This can only be achieved by performing the Energy and Photometric Measurement after the LED, within the fitting, is left ON, until a stable and constant Lumen output is reached, ie. reaching a thermally stable condition within the LED assembly at a Ta of 25°C.

Unfortunately it's not uncommon to find suppliers using incomplete data suggesting Efficacy Lumen value to be 10 to 20% higher than the True Effective value.















This misrepresentation is achieved by using Raw LED photometric data that does not include any of the driver losses (generally 2-5%) and any thermal adjustment losses (this can take 20-240 min & account for 7-15%)

In some extreme cases Effective Lumen is completely misquoted and only the Raw value is mentioned with much higher values.

In both these cases True Effective Lumen is misrepresented and unlawful.









Features

Standard across the LEDrail 4LCO range.

-  Indoor.
-  1kV-2kV standard voltage surge protection.
-  Sustainably Recyclable aluminum.
-  Acrylic diffuser.
-  Serviceable: All units are serviceable and all parts replaceable.
-  Top Bin Chips <3 MacAdam Ellipses.
-  Colour temperature 5600K
-  Colour rendition index 80+
-  L&B Life Rating: L80 B10
-  Earth connection and CLASS I insulation fixture.
-  Ceiling mount
-  Floating mount
-  Suspended/pendant mount
-  Recessed mount

Extras

Optional Extras.

-  Casambi bluetooth technology.

-  All units can be fitted with Dali or bi-level driver.
-  4kV surge protection upgrade available
-  10kV replaceable surge protection. module
-  IES files available.
-  P2000 Trunking mount
-  VOLTpro



5 year warranty:
Please visit
www.energywise.co.za

Designed and
Manufactured by

energywise

**Better Light
Through Research.**

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Postal address: PO Box 1166, Kloof, South Africa, 3640



Energywise lighting options

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

Lights on

INDUSTRIAL



Bay XP
Factories, Warehouses,
Cold rooms etc.

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



RETROFIT



Bay XF
Get the job done,
Glare-Free.

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

Plate XP
Swiss army knife
of lighting.

Standard
Height: 0.35m
IP: 65
Temp: 35°C

TOBLO bay
Factories, Warehouses,
Supply rooms etc.

Standard
Height: 6-25m
IP: 20
Temp: 40/30°C

Retrofit 44
Converting old HID
tech to LED

Standard
Height: 8m
IP: 00
Temp: 30°C

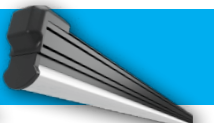
Retrofit 22
Converting old HID
bulkhead to LED

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

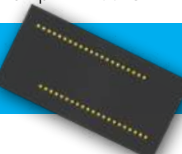
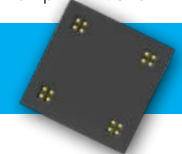
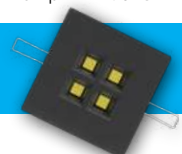
Standard
Height: 2.5-10m
IP: 40
Temp: 35°C

LEDrail 4LCO
Shops, Production
facilities, showrooms etc

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

Linear 4-300
Glare free
precision lighting

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



EX



Downlighter
Offices, retail and
hospitality settings.

Standard
Height: 0.15m
IP: 40
Temp: 30°C

Panel 600x600
Offices, healthcare,
educational facilities.

Standard
Height: 0.6m
IP: 40
Temp: 30°C

Panel 1200x600
Offices, commercial,
educational settings.

Standard
Height: 0.6m
IP: 40
Temp: 30°C

EX Bay XP
Factories, Warehouses,
Mills, Marine etc.

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

**EX DUSTPROOF
PREMIUM** Warehouses,
Car parks, Mills.

Standard
Height: 2.5-8m
IP: 65
Temp: 35°C

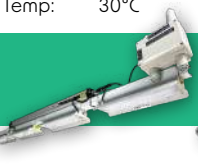
EX DUSTPROOF
Warehouses, Car
parks, Corridors, Mills.

Standard
Height: 2.5-8m
IP: 65
Temp: 35°C

EX Pod
Factories, Mines,
Marine etc.

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

EARTH



Job done

EX Torch
Heavy industrial
areas.

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

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

energywise

Better light
through research.