

Pod IP65

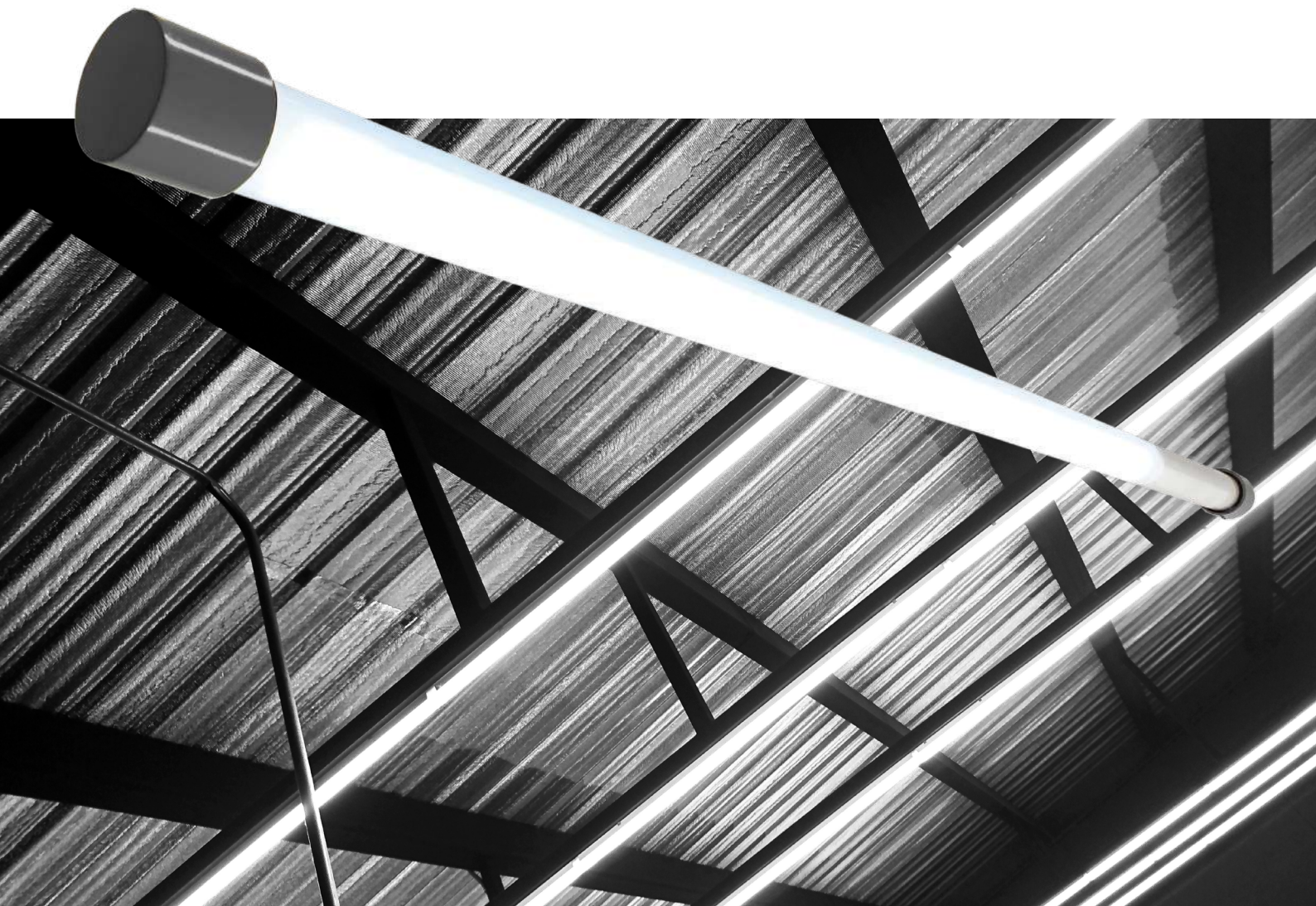
A standout luminaire with IP65 level protection.



Industrial

IP 65

This IP65 fitting is built for toughness in harsh environments—tamperproof and nearly unbreakable.



Proudly manufactured in
South Africa using
European LED Technology



kV Protection:
4kV Standard
10kV on request

IP
65

Indoor /
Outdoor



Impact
Resistance:
IK08/5J



5 Year
Warranty

energywise

Better light
through research.

INTRODUCING



This IP65 fitting is built for toughness in harsh environments—tamperproof and nearly unbreakable.

Our Pod IP65 is the perfect combination of durability and output. Housed inside an impact resistant polycarbonate tube with an IP65 protection grade, tamperproof and nearly unbreakable.

Our fittings are manufactured using approved industrial technology sourced from the leading component manufacturers in Europe. We then put the new luminaries through months of testing to ensure that the final product could deliver against our exacting specifications.

The final result, a light fitting several years in the making, yet on the very tip of the latest technological advancements in LED light technology, available today.

KEY FEATURES

MODULAR

- With extra Lumen Packages up to 21000 lm by pairing multiple pods.

4 SIZE OPTIONS

- Pod IP65 1420mm
- Pod IP65 1700mm
- Pod IP65 1980mm
- Pod IP65 2260mm

CASING

- Impact rating IK08/5J (ZONE 21/22)
- Impact rating IK08/10J (ZONE 1/2)

TEMPERATURE

- Ambient room temperature -25°C to +40°C.



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



Cheat sheet for the FROSTED OR CLEAR POD



kV Protection:
4kV Standard
10kV on request



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



**Indoor /
Outdoor**



**Impact
Resistance:**
IK08/5J



**Casing
Diffuser:**
Polycarbonate



L&B Rating
L90 B10
30 000 hrs



Mounting:
Suspended/
pendant

8 Different wattage, length & lumen options

LOW OUTPUT HIGH OUTPUT

Raw Lumen:	4410 lm	5150 lm
Effective Lumen:	3080 lm	3550 lm
Wattage:	25W	33W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10 L80 B10	L80 B10
1420mm x 50mm		

POD 103

Raw Lumen:	5890 lm	6870 lm
Effective Lumen:	4100 lm	4730 lm
240V:	34W	44W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10 L80 B10	L80 B10
1700mm x 50mm		

POD 104

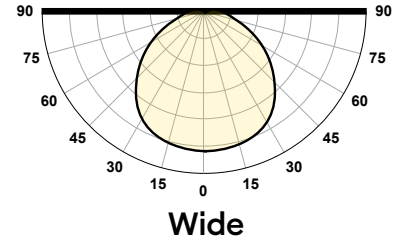
Raw Lumen:	7360 lm	8590 lm
Effective Lumen:	5130 lm	5910 lm
240V:	42W	55W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	123 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10 L80 B10	L80 B10
1980mm x 50mm		

POD 105

Raw Lumen:	8830 lm	10,300 lm
Effective Lumen:	6160 lm	7100 lm
240V:	50W	66W
Power Factor:	0.95	0.95
Raw Efficacy:	176 lm/w	157 lm/w
Effective Efficacy:	108 lm/w	108 lm/w
Max Ta:	35°C	35°C
L&B:	L90 B10 L80 B10	L80 B10
2260mm x 50mm		

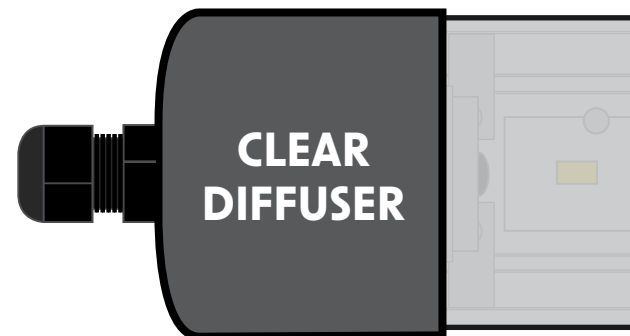
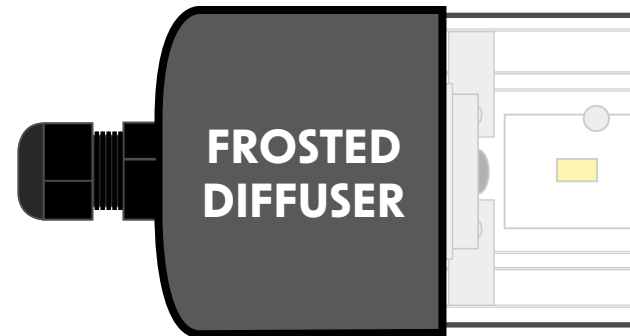
POD 106

Distribution option



IP65 protection grade

FROSTED OR CLEAR DIFFUSER

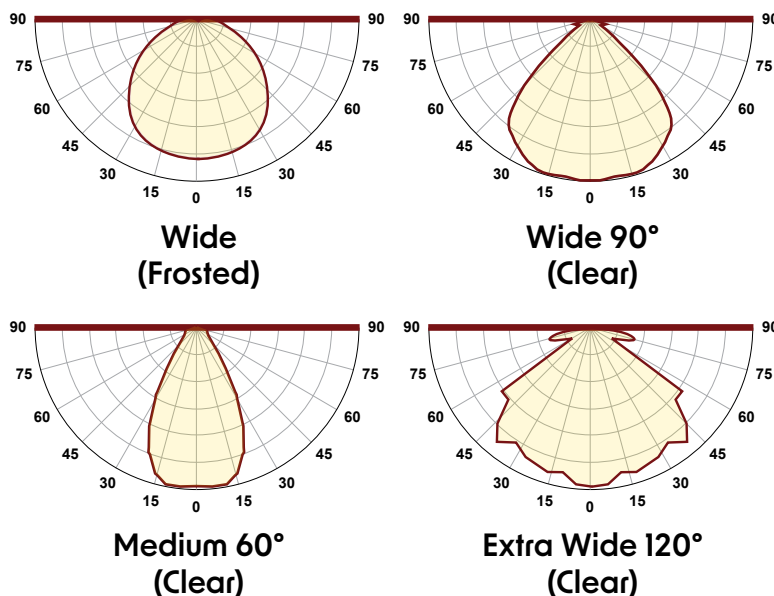


Distribution Options

The light you need, where you want it.

IP65 Pods protect your LEDs, and offer light onto a specific area, surface, or object. Floodlighting is a basic element of both interior and exterior lighting. These indoor luminaires are not only able to project a wide spread of light, with the use of lenses we can also provide task lighting.

Task (focused) lighting provides increased light for specific tasks in a room that may already have some ambient light. Task lighting is especially useful for seeing small objects or objects of low contrast. We can offer solutions to combine several pods to get the exact lighting you require.



A Closer Look

Engineered to the highest standards.

Housing

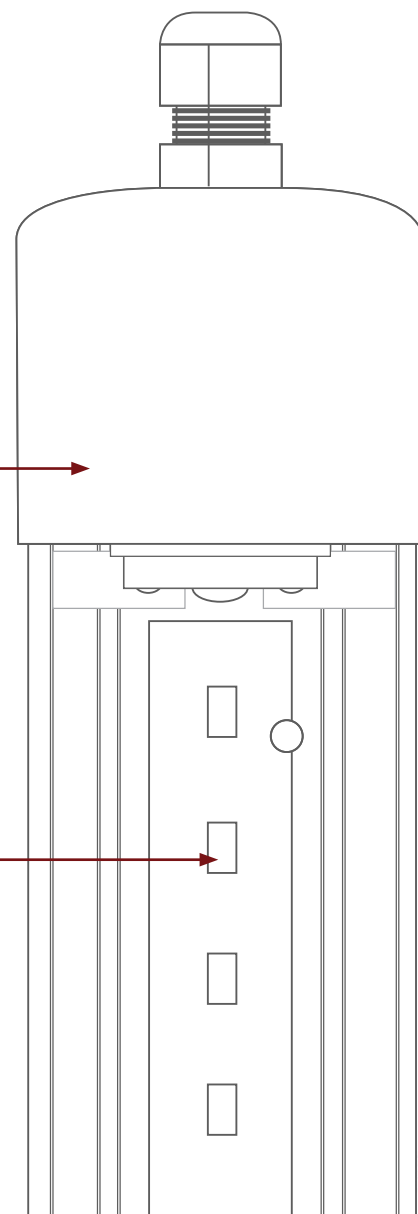
Designed & engineered using polycarbonate for harsh environments.

Driver

Only the highest quality drivers from Europe with F3, 4kV, 100K hours. Driver can either be housed within the LED tube or piggy backed in a separate tube above the LEDs.

LEDs

Source from the best component manufactures in Europe to ensure maximum lifespan, quality and light spectrum.

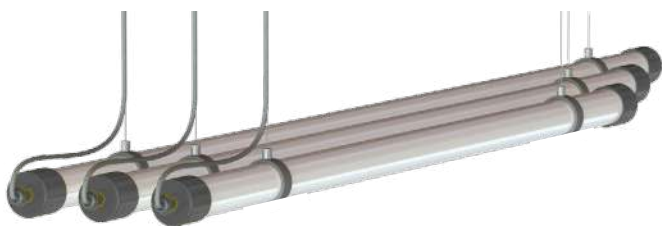


Installation & Configurations

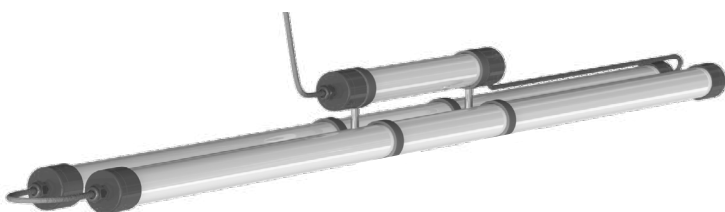
Easy to install , **Saving** you time & money



Pendant mounting



Banking / Stacking - For increased lumen output.



Remote Driver / Control Gear - Piggy back configuration for uninterrupted light.

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.

energywise
chemical agents

Resistance KEY:

✓	Resistant
⊙	Relatively Resistant
⊘	Non-resistant

Chemical agent	Polycarbonate	Aluminum
Acetic acid 10%	✓	✓
Acetone	⊘	✓
Alcoholic beverages	✓	✓
Aluminum sulphate	✓	✓
Ammonia 5%	⊘	✓
Aniline	⊘	✓
Arsenic acid 20%	✓	✓
Benzene	⊘	✓
Bencylic alcohol	⊘	⊙
Benczyl	⊘	✓
Bromine	⊘	⊘
Calcium Chloride	✓	✓
Calcium nitrate	✓	✓
Carbon tetrachloride	⊘	✓
Carbonic acid	⊘	✓
Caustic potash	⊘	⊘
Cement	✓	✓
Chlorhydric acid 1-5%	✓	⊘
Chlorine liquids (vapours)	⊘	⊘
Chloroform	⊘	✓
Chromic acid	⊙	⊘
Citric acid 20%	✓	✓
Copper sulphate	✓	⊘
Diesel-naphtha oil	⊙	✓
Ethyl alcohol	✓	✓
Ethyl chloride	⊘	⊙
Ethyl ether	⊘	✓
Food oils and fats	⊘	✓
Formic acid 10%	✓	⊘
Glycerine	✓	✓
Hexane	✓	✓
Iodine	⊘	⊙
Iron chloride	✓	⊙
Isopropyllic alcohol	⊙	✓
Lubricating oil	✓	✓
Magnesium sulphate	✓	✓
Methanol	⊘	✓
Mineral oils	✓	✓
Nitric acid 20%	⊙	⊘
Oxygen	✓	✓
Ozone	✓	✓
Perchloric acid 10%	✓	⊘
Petrol	⊘	✓
Phenol	⊘	✓
Potassium bromide	✓	⊙
Potassium nitrate	✓	✓
Pothassium permanganate	✓	✓
Sea climate	✓	⊙
Silicon oils	✓	✓
Soda bleach 15%	⊘	⊙
Sodium chloride	✓	⊙
Sodium hydroxide 5%	⊘	⊘
Sodium sulphate	✓	✓
Sugar	✓	✓
Sulphur	✓	✓
Sulphuric acid 30%	✓	⊘
Toluene	⊘	✓
Trichloroethylene	⊘	✓
Zinc sulphate	✓	⊙

Features

Standard across the Pod IP65 range.



Indoor / Outdoor



Polycarbonate encapsulation.



Colour temperature 5600K



Colour rendition index 80+



L&B Life Rating: L90 B10, 30 000 hrs



Earth connection and CLASS I insulation fixture.



Optic impact rating IK08/5J.



Voltage surge protection up to 4kV.



Suspended/pendent mount.



Plug & Play



Modular



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

Extras

Optional Extras



IES files available.



VOLTpro



10kV replaceable surge protection.

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 35°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.

Designed and
Manufactured by

energywise

**Better Light
Through Research.**

sales@energywise.co.za | www.energywise.co.za

T: +27 31 764 2345 / +27 87 941 0012

Physical address: Unit 5 Edstan Business Park, 2 Ibhumbesi Road, Riverhorse Valley, Durban, South Africa, 4017

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



Energywise lighting options

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

Lights on

INDUSTRIAL



Bay XP
Factories, Warehouses,
Cold rooms etc.

Bay XL
Factories, Warehouses,
Supply rooms etc.

Bay XE
Factories, Warehouses,
Supply rooms etc.

DUSTPROOF
Warehouses, Car
parks, Corridors.

**VANDAL-RESISTANT
DUSTPROOF** Car parks,
Corridors, Mills.

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

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

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

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

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



Torch Bulkhead
Heavy industrial areas.

Pod IP65
Tamperproof and
nearly unbreakable.

Bay XF
Get the job done,
Glare-Free.

Plate XP
Swiss army knife
of lighting.

TOBLO bay
Factories, Warehouses,
Supply rooms etc.

Retrofit 44
Converting old HID
tech to LED

Retrofit 22
Converting old HID
bulkhead to LED

Standard
Height: 6-25m
IP: 65
Temp: 30°C

Standard
Height: 2-5m
IP: 65
Temp: 35°C

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

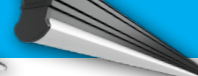
Standard
Height: 6-25m
IP: 65
Temp: 35°C

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

Standard
Height: 00
Temp: 30°C

Standard
Height: 00
Temp: 35°C

RETAIL & COMMERCIAL



LEDrail 1000
Shops, Production
facilities, parking

LEDrail 2000
Shops, Sheds,
Underground parking

LEDrail 4000
Retail, board rooms,
department stores.

LEDrail 8000
Retail, board rooms,
department stores.

LEDrail 4-100
All retail outlets,
showrooms, offices etc

LEDrail 4LCO
Shops, Production
facilities, showrooms etc

Linear 4-300
Glare free
precision lighting

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

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

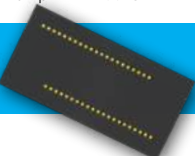
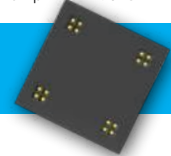
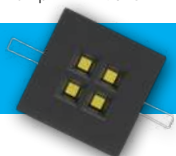
Standard
Height: 2.5-6m
IP: 40
Temp: 35°C

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

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

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

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



Downlighter
Offices, retail and
hospitality settings.

Panel 595x595
Offices, healthcare,
educational facilities.

Panel 1195x595
Offices, commercial,
educational settings.

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

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

EX DUSTPROOF
Warehouses, Car
parks, Corridors, Mills.

EX Pod
Factories, Mines,
Marine etc.

Standard
Height: 40
IP: 40
Temp: 30°C

Standard
Height: 40
IP: 40
Temp: 30°C

Standard
Height: 40
IP: 40
Temp: 30°C

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

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

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

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

EX

EARTH

EX Torch
Heavy industrial
areas.

EARTHbay
Horticulture, Open
areas etc

EARTHplate
Horticulture, Rack/
Under shelf etc

EARTHpod
Horticulture,
Propagation, Racks etc.

Standard
Height: 65
IP: 40°C

Standard
From canopy: 0.5-2m
IP: 65
Temp: 35°C

Standard
From canopy: 0.4-2m
IP: 65
Temp: 35°C

Standard
From canopy: 0.2-1m
IP: 65
Temp: 35°C

Job done

energywise

Better light
through research.