

# LEDrail 1000 & 2000

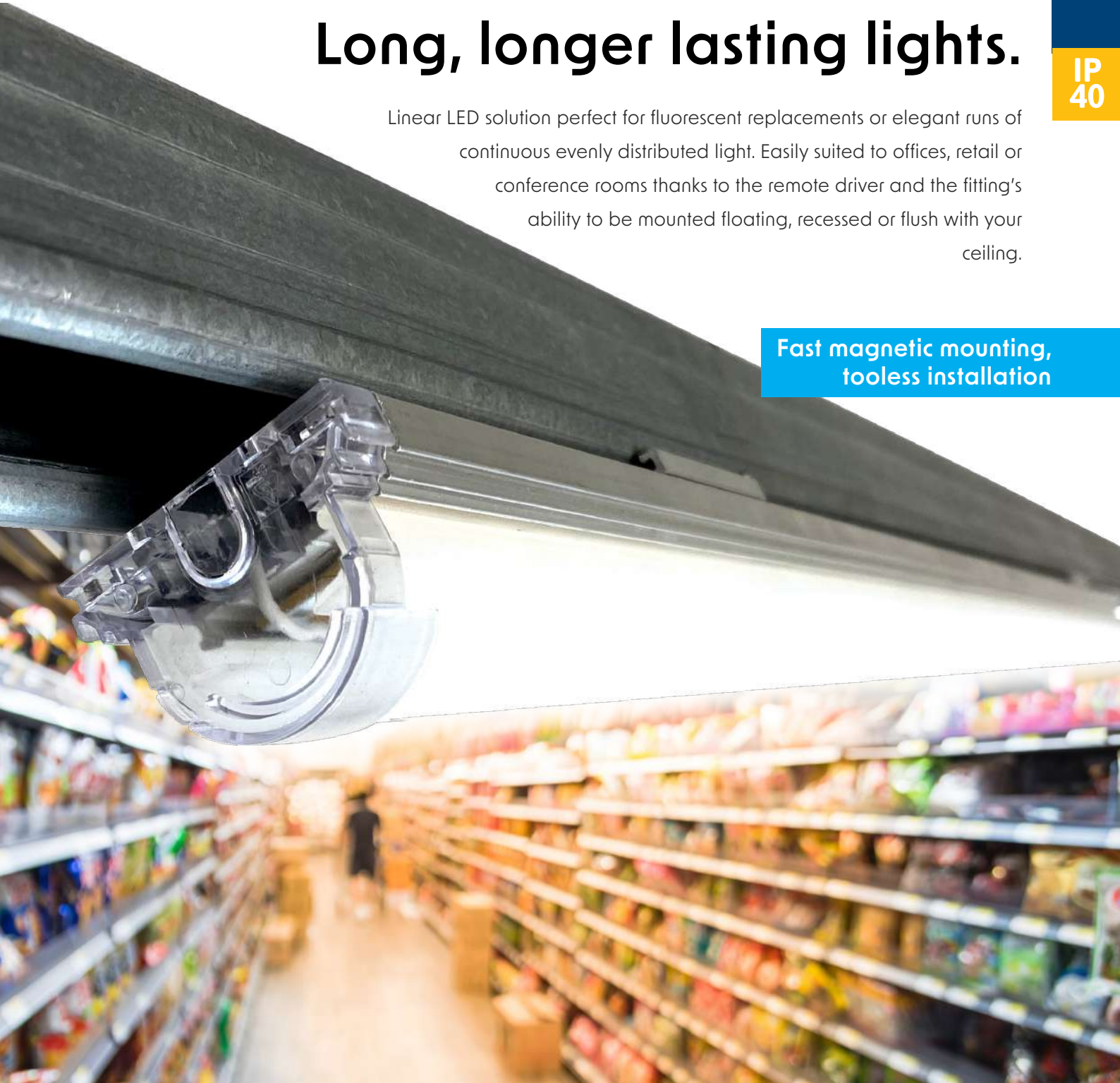
Retail

## Long, longer lasting lights.

IP  
40

Linear LED solution perfect for fluorescent replacements or elegant runs of continuous evenly distributed light. Easily suited to offices, retail or conference rooms thanks to the remote driver and the fitting's ability to be mounted floating, recessed or flush with your ceiling.

Fast magnetic mounting,  
toolless installation



Lights on.  
Job done.



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

IP  
40

Indoor



Acrylic  
Diffuser

energywise

Better light  
through research.

# Complicated construction, simple job.

## Fluorescents are dead, long live LED.

LED fittings today are more affordable, reliable and able to provide a better quality of light than fluorescents ever did, yet many of our homes, offices and workspaces still house these outdated fittings. We decided to change that with a unique design that not only provides a sleek aesthetic but also makes the best use of all of an LED's superior attributes.

Take a deep dive into the mechanics of our LEDrail 1000 & 2000 and you will notice a high level of precision. Our engineers spent months designing this luminaire's housing to ensure a happy marriage between cutting edge tech and aesthetic value.

Our designers also crafted these LEDrails so they can be joined to create continuous lines of light that can stretch as far as your imagination without gaps or dull spots throughout its length no breaks in light.

### KEY FEATURES

#### 5 SIZE OPTIONS

- LEDrail 1000 & 2000 104 1100mm
- LEDrail 1000 & 2000 106 1700mm
- LEDrail 1000 & 2000 108 2300mm
- LEDrail 1000 & 2000 110 2800mm
- LEDrail 1000 206 (double)

#### MOUNTING OPTIONS

- Ceiling mount
- Floating mount
- Pendant mount

#### MODULAR

- With extra Lumen Packages up to 16900 lm.

#### HOUSING

- Frosted for a harmonious band of soft light.
- Clear.

\*25°C is for Textbooks, Not Africa's Sun:  
All EW Lights are designed for the 35°C Reality.



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





# Specifications

## From green grocers to parking garages.

Our premium LEDrail fittings are designed and manufactured in South Africa for South Africans. They feature high quality Italian and German components but engineered for our African climate.



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



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



**Indoor**



**Mount**  
P2000 Mount



**Acrylic  
Diffuser**



**Modular:**  
Expandable  
system

## LEDrail 2000 104 1150 mm

Raw Lumen:  
Effective Lumen:

4240 lm  
3116 lm

5840 lm  
4300 lm

6888 lm  
4984 lm

240V:  
Raw Efficacy:  
Effective Efficacy:

**24W**  
177 lm/w  
130 lm/w

**32W**  
183 lm/w  
134 lm/w

**41W**  
167 lm/w  
121 lm/w

Max ambient:  
L&B:

**35°C**  
L80/90 B10  
F10 70K hrs

**35°C**  
L80/90 B10  
F10 70K hrs

**35°C**  
L80/90 B10  
F10 70K hrs

## LEDrail 1000 206 1680 mm

Raw Lumen:  
Effective Lumen:

12720 lm  
9350 lm

17520 lm  
12902 lm

20664 lm  
14952 lm

23616 lm  
16924 lm

240V:  
Raw Efficacy:  
Effective Efficacy:

**72W**  
177 lm/w  
130 lm/w

**96W**  
183 lm/w  
134 lm/w

**124W**  
167 lm/w  
121 lm/w

**140W**  
168 lm/w  
121 lm/w

Max ambient:  
L&B:

**30°C**  
L80/90 B10  
F10 70K hrs

**30°C**  
L80/90 B10  
F10 70K hrs

**30°C**  
L80/90 B10  
F10 70K hrs

**30°C**  
L80 B10  
F10 70K hrs

### All fitting options (F10 Drivers, 70K hrs @ 35°C)

Name	Length	35°C	35°C	35°C	30°C
<b>104</b>	1150	3116lm/ <b>24w</b>	4300lm/ <b>32w</b>	4984lm/ <b>41w</b>	-
<b>105</b>	1400	3896lm/ <b>30w</b>	5376lm/ <b>40w</b>	9969lm/ <b>82w</b>	-
<b>106</b>	1680	4675lm/ <b>36w</b>	6451lm/ <b>48w</b>	7476lm/ <b>62w</b>	-
<b>108</b>	2240	6233lm/ <b>48w</b>	8601lm/ <b>64w</b>	9969lm/ <b>82w</b>	-
<b>110</b>	2800	7792lm/ <b>60w</b>	10752lm/ <b>80w</b>	12461lm/ <b>103w</b>	-
<b>206</b>	1680x2	9350lm/ <b>72w</b>	12902lm/ <b>96w</b>	14952lm/ <b>124w</b>	16924lm/ <b>140w</b>

## KEY Differences

**LEDrail 1000** has a remote driver

**LEDrail 2000** sits in-line with a P2000, the driver is housed within the P2000 trunking.

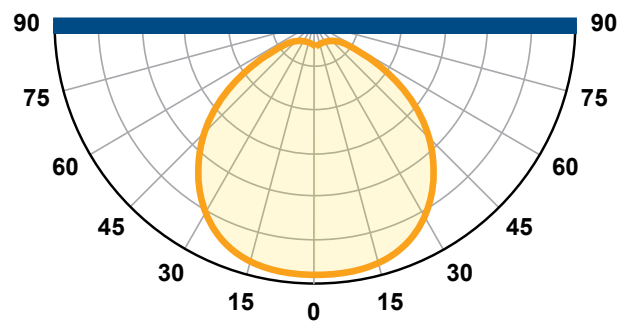


# Distribution Options

The light you need, where you want it.

**Diffusers provide** a low glare solution to your lighting needs without compromising on light quality.

These indoor luminaires project a wide spread of light and are ideal for lighting up most small to medium retail environments, with a soft feel and effective lighting solution.



**120° Diffuser**

## A Closer Look

Engineered to the highest standards.

### Diffuser

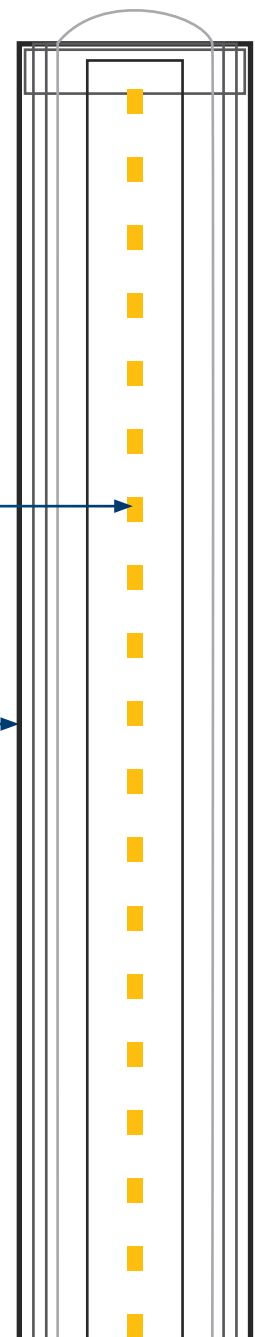
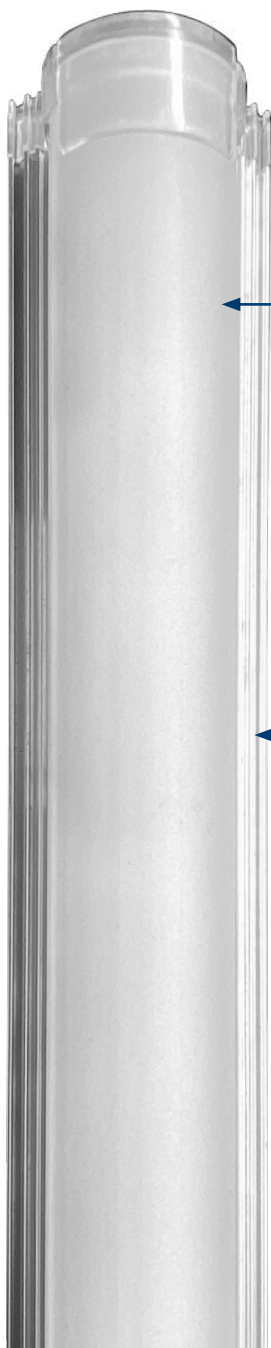
A harmonious band of light pours through our diffusers for an even, simple light source to keep you focused on the task at hand.

### LEDs

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

### Construction

With months of R&D behind it, this sleek LED fitting was designed to be both elegant and powerful with loads of tech designed into a thin luminaire that won't demand much attention but delivered in spades. This unique luminaire comes standard with a 5-year warranty, carries greatly reduced running costs and is considered flicker free ensuring staff and customers never suffer from headaches and the like which can often accompany fluorescent fittings.



# Installation

## Easy to install, Saving you time & money

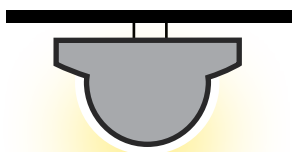
The LEDrail 1000 & 2000 are simple to install with 4 main mounting options. The LEDrail 2000 is made to fit P2000 trunking perfectly.

### LEDrail 1000



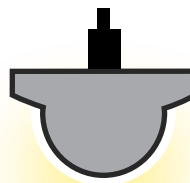
#### Ceiling Mount

Available with an intelligently engineered magnet system to securely mount to most metal surfaces. **On request**



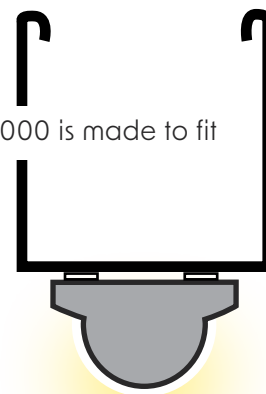
#### Floating Mount

A mount for areas where a ceiling mount isn't possible. **On request**



#### Pendant Mount

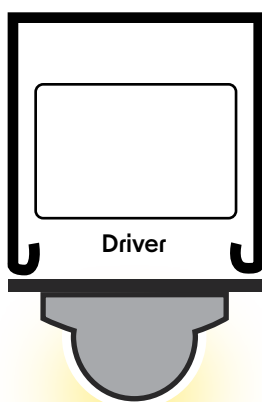
For hanging the fitting at your desired height. **On request**



#### Magnetic Mount

For placing the fitting on any metal surface. **On request**

### LEDrail 2000



#### P2000 Mount

Our LEDrail 2000 is made specifically for P2000 trunking and has a unique magnetized mount.

#### 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.

### Diffusers



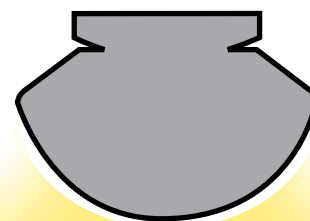
#### A Standard Diffuser

The LEDrail 1000 & 2000 has a 180° distribution for a broad soft light to light up large areas.



#### W Winged Diffuser

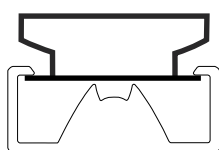
This added diffuser give you the option to focus the light to a particular area. It also gives you the option to add colour to your light. **On request**



#### D Type D Diffuser

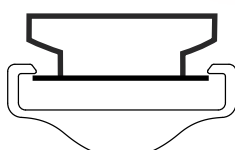
The Type D diffuser enhances the visual experience by increasing the surface area in a unique way. It creates a beautiful, soft glow without any hot spots, resulting in a more pleasing aesthetic. **On request**

### Lenses



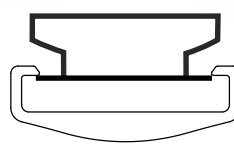
#### A Retail Lenses

The Ares 1000 & 2000 can now be fitted with retail 60°, 90° & Assymetrical lenses.



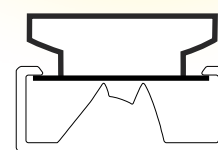
#### B 60° Lenses

The Ares 1000 & 2000 can now be fitted with retail 60°, 90° & Assymetrical lenses.



#### C 90° Lenses

The Ares 1000 & 2000 can now be fitted with retail 60°, 90° & Assymetrical lenses.



#### D Assymetrical Lenses

The Ares 1000 & 2000 can now be fitted with retail 60°, 90° & Assymetrical lenses.

# Features

Standard across the LEDrail 1000 & 2000 range.



Indoor



Recyclable.



Acrylic frosted or clear housing



Serviceable: All units are serviceable and all parts replaceable.



Colour temperature 5600K



Colour rendition index 80+



LED Life rating



Modular.



Earth connection and CLASS I insulation fixture.



Ceiling mount



Suspended by chain or steel cable.

# Extras

Optional Extras.



Casambi bluetooth technology.



All units can be fitted with Dali or bi-level driver.



Excellent Luminous Efficacy (Lm/W)



Replacable 10 kV surge protection module



IES files available.

*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.*



**5 year warranty:**  
Please visit  
[www.energywise.co.za](http://www.energywise.co.za)

Designed and  
Manufactured by

**energywise**

**Better Light  
Through Research.**

[sales@energywise.co.za](mailto:sales@energywise.co.za) | [www.energywise.co.za](http://www.energywise.co.za)

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

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

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

# 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.