LEDrail 1000 & 2000

Long, longer lasting lights.

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.

IP 40

SABS APPROVED

5 YEAR WARRANTY*

Fast magnetic mounting, tooless installation

Proudly manufactured in **South Africa** using **European** LED Technology

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

IP 40
Indoor

SABS APPROVED
SABS Approved

5 YEAR WARRANTY*
5 Year Warranty

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a better quality of light than fluorescents ever did, yet many of our homes, offices and workspaces still house these outdated fittings.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 luminaires 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.

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

GET IT ON Google Play

Download on the App Store

Design & Tested here

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

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.

4kv	**KELVIN**	**IP 40**	**Mount**	**PMMA**	**SABS APPROVED**	**L&B**
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**	**SABS** Approved	**L&B Life Rating** L80/90 B10 70 000 hrs

LEDrail 2000 104 1150

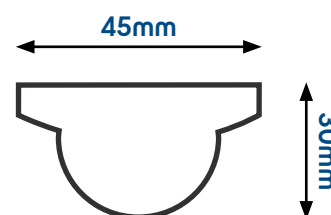|			
Raw Lumen: Effective Lumen:	4240 lm 3116 lm	5840 lm 4300 lm	6888 lm 4984 lm
240V: Raw Efficacy: Effective Efficacy:	24W 177 lm/w 130 lm/w	32W 183 lm/w 134 lm/w	41W 167 lm/w 121 lm/w
Max ambient: L&B:	35°C L90 B10 F10 70K Hrs	35°C L90 B10 F10 70K Hrs	35°C L80 B10 F10 70K Hrs

Dimensions
Not to scale

45mm

30mm

LEDrail 1000 206 1680

Raw Lumen: Effective Lumen:	12,720 lm 9350 lm	17,520 lm 12,902 lm	20,664 lm 14,952 lm	23,616 lm 16,924 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 L90 B10 F10 70K Hrs	30°C L90 B10 F10 70K Hrs	30°C L80 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
104	1150	3116 lm/**24w**	4300 lm/**32w**	4984 lm/**41w**	-
105	1400	3896 lm/**30w**	5376 lm/**40w**	9969 lm/**82w**	-
106	1680	4675 lm/**36w**	6451 lm/**48w**	7476 lm/**62w**	-
108	2240	6233 lm/**48w**	8601 lm/**64w**	9969 lm/**82w**	-
110	2800	7792 lm/**60w**	10,752 lm/**80w**	12,461 lm/**103w**	-
206	1680x2	9350 lm/**72w**	12,902 lm/**96w**	14,952 lm/**124w**	16,924 lm/**140w**

Spot the difference?

The **LEDrail 1000** features a remote driver allowing for flat surface mounted installation.

The **LEDrail 2000** has a piggy-back driver designed to tuck into 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 luminaries 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.

60°

90°

Retail Symmetrical

Asymetrical

Wide Frosted
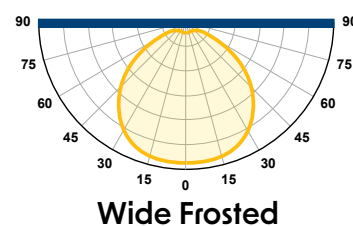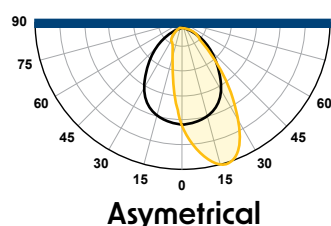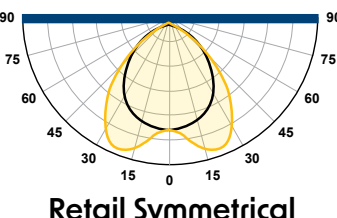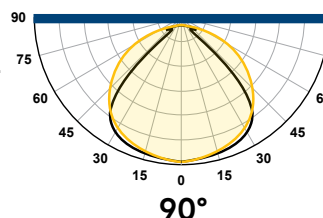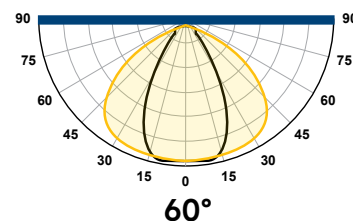
A Closer Look
## Engineered to the highest standards.

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 manufactures 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.
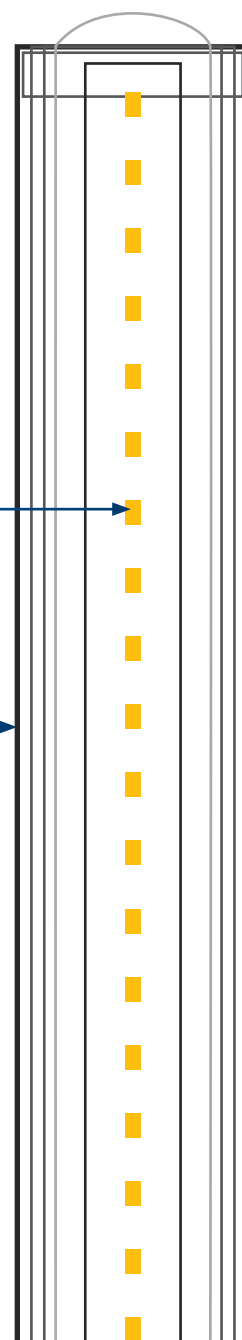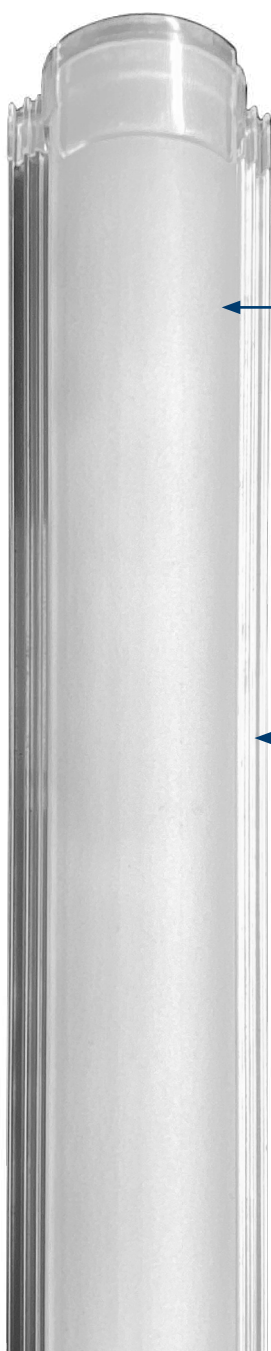
Installation

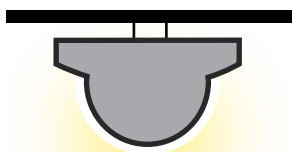## Easy to install, Saving you time & money

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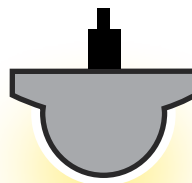
LEDrail 1000

Ceiling Mount
Available with an intelligently engineered magnet system to securely mount to most metal surfaces. **On request**
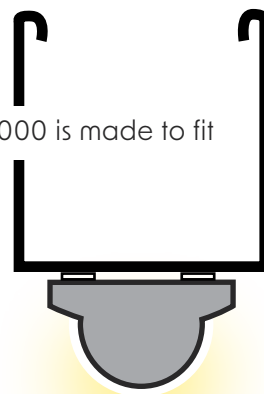
Floating Mount
A mount for areas where a ceiling mount isn't possible. **On request**
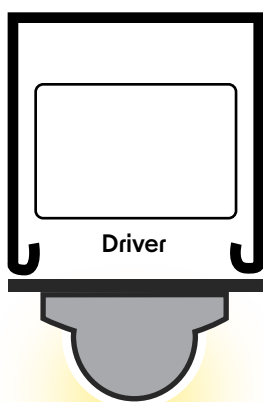
Pendant Mount
For hanging the fitting at your desired height. **On request**

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

LEDrail 2000

Driver

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

Disclaimer:

While every effort is made to ensure the accuracy of technical details at the time of publication, we reserve the right to modify or upgrade any product or component specifications without prior notice. Our products undergo continuous improvements in technology, energy efficiency, safety, and cost-effectiveness to meet evolving industry standards and supplier updates.

All upgrades are made to enhance product quality, and as such, no claims or complaints will be entertained regarding specification changes.

We are ISO 9001:2015 compliant, and our assembly line adheres to IEC 60958 guidelines. Our products are covered by a Product Liability Policy, and our LED products come with a 5-year warranty (T&Cs apply—please contact Head Office for details).

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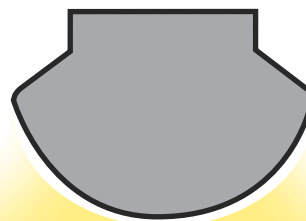
A Standard Diffuser
The LEDrail 1000 & 2000 has a 180° distribution for a broad soft light to light up large areas.

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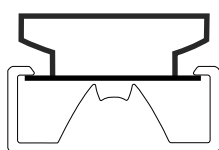
D Type D Diffuser
The Type D diffuser enhances the visual experience by increasing the surface area in a unique way. It creates a beautiful, soft glow without any hot spots, resulting in a more pleasing aesthetic. **On request**

Lenses

A Retail Lenses
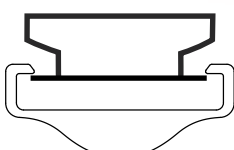The LEDrail 1000 & 2000 can now be fitted with retail 60°, 90° & Assymetrical lenses.
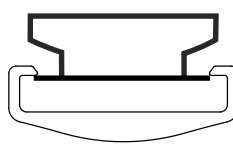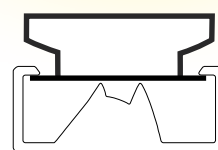
B 60° Lenses
The LEDrail 1000 & 2000 can now be fitted with retail 60°, 90° & Assymetrical lenses.

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

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

Features

Standard across the LEDrail 1000 & 2000 range.

SABS Approved

IP40 Indoor

Sustainably Recyclable.

PMMA Acrylic frosted or clear housing

Lenses

Serviceable: All units are serviceable and all parts replaceable.

KELVIN Colour temperature 5600K

CRI Colour rendition index 80+

L&B Life Rating: **L80/90 B10, 70 000 hrs**

Modular.

Earth connection and CLASS I insulation fixture.

Ceiling mount

Suspended by chain or steel cable.

Extras

Optional Extras.
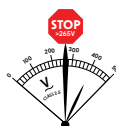
Casambi bluetooth technology.
Bluetooth™

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

10kv Replacable 10 kV surge protection module

.IES IES files available.

VOLTpro

Effective Lumen Output After Warm-up
We adhere to industry best practices in providing accurate Effective Performance Data (Lumens, Watts, and L&B) that account for driver and LED thermal losses during the warm-up period.
To ensure precise measurements, we conduct Energy and Photometric Testing only after the LED within the fitting has been powered on long enough to reach a stable and constant lumen output—achieving thermal equilibrium at an ambient temperature (Ta) of 35°C.
Unfortunately, some suppliers misrepresent efficacy by inflating lumen values 10–20% above the true effective output. This is often done by using raw LED photometric data, which:
- Excludes driver losses (typically 2–5%)
- Ignores thermal adjustment losses, which can take 20–240 minutes and account for 7–15% reduction in output
Given these factors, the actual Effective Lumen Output is often lower than raw values suggest. In extreme cases, some suppliers report only raw LED values, completely disregarding real-world performance.
For transparency and accuracy, we ensure our data reflects true effective lumens, providing reliable performance metrics you can trust.

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

Designed and Manufactured by **energywise**®

Better Light Through Research.

SABS APPROVED   MADE IN SOUTH AFRICA

QMS-LR10-EWBR-250529   QMS-LR20-EWBR-250529

Energywise lighting options

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

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

VANDAL-RESISTANT DUSTPROOF
Car parks, Corridors, Mills.

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

PUREBox Panel
Medical & laboratory, Clean rooms etc.

Standard
Height:	3-5m
IP:	54
Temp:	35°C

Torch Bulkhead
Heavy industrial areas.

Standard
Height:	
IP:	65
Temp:	30°C

Pod IP65
Tamperproof and nearly unbreakable.

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

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:	6-25m
IP:	65
Temp:	35°C

TOBLO bay
Factories, Warehouses, Supply rooms etc.

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

Bay XT
Distribution centers, Warehouses etc.

Standard
Height:	3-20m
IP:	40
Temp:	35°C

RETROFIT

Retrofit 44
Converting old HID tech to LED

Standard
IP:	00
Temp:	30°C

Retrofit 22
Converting old HID bulkhead to LED

Standard
IP:	00
Temp:	35°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 precison lighting

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

Downlighter
Offices, retail and hospitality settings.

Standard
IP:	40
Temp:	30°C

Panel 595x595
Offices, healthcare, educational facilities.

Standard
IP:	40
Temp:	30°C

Panel 1195x595
Offices, commercial, educational settings.

Standard
IP:	40
Temp:	30°C

EX

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

EX Torch
Heavy industrial areas.

Standard
IP:	65
Temp:	40°C

EARTH

EARTHbay
Horticulture, Open areas etc

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

EARTHplate
Horticulture, Rack/ Under shelf etc

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

EARTHpod
Horticulture, Propagation, Racks etc.

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

Lights on. Job done.

energywise

Better light through research.