

LEDrail 1000 & 2000

Long, longer lasting lights.

Retail

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.



**SABS
APPROVED**

Fast magnetic mounting,
toolless installation



Proudly manufactured in
South Africa using
European LED Technology



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



Indoor



**SABS
Approved**



**3 or 5 Year
Warranty**

*Terms and conditions
apply.

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a better quality of light than fluorescents ever did, yet many of our homes, offices and workspaces still house these outdated fittings.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



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 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>I3



Indoor



Mount
P2000 Mount



**Acrylic
Diffuser**



**SABS
Approved**



L&B Life Rating
L80 B10
70 000 hrs

Pro

LEDrail 2000 104 1150mm

Raw Lumen:
Effective Lumen:

4240 lm
3116 lm

5840 lm
4300 lm

6888 lm
4984 lm

7872 lm
5641 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

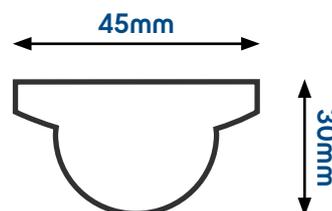
47W
168 lm/w
121 lm/w

Max ambient:
L&B:

30°C
L80 B10
70 000 Hrs

Dimensions

Not to scale



Eazy

LEDrail 1000 104 1150mm

Raw Lumen:
Effective Lumen:

4284 lm
3116 lm

5840 lm
4300 lm

8480 lm
6232 lm

11 680 lm
8600 lm

240V:
Raw Efficacy:
Effective Efficacy:

24W
177lm/w
130 lm/w

32W
183 lm/w
134 lm/w

48W
177 lm/w
130 lm/w

64W
183 lm/w
134 lm/w

Max ambient:
L&B:

35°C
L80 B20
70 000 Hrs

35°C
L80 B20
70K 000 Hrs

35°C
L80 B20
70 000 Hrs

35°C
L80 B20
70 000 Hrs

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

Name	Length	30°C	30°C	30°C	30°C
104	1150	3116 lm/ 24W	4300 lm/ 32W	4984 lm/ 41W	5641 lm/ 47W
105	1400	3896 lm/ 30W	5376 lm/ 40W	6230 lm/ 52W	7052 lm/ 59W
106	1680	4675 lm/ 36W	6451 lm/ 48W	7476 lm/ 62W	8462 lm/ 70W
108	2240	6233 lm/ 48W	8601 lm/ 64W	9969 lm/ 82W	11,283 lm/ 82W
110	2800	7792 lm/ 60W	10,752 lm/ 80W	12,461 lm/ 103W	14,104 lm/ 117W
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.

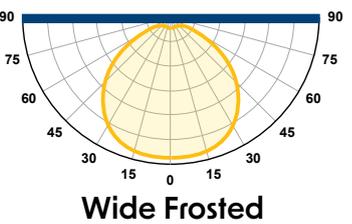
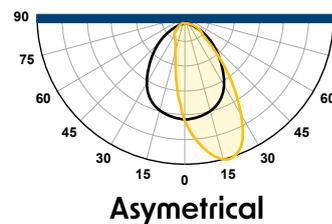
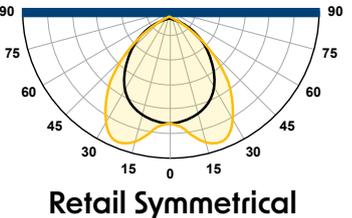
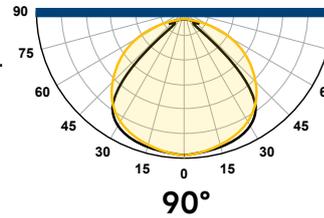
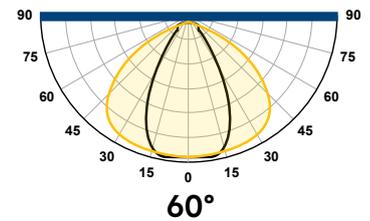


Distribution Options

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 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.



A Closer Look

Engineered to the highest standards.

Diffuser

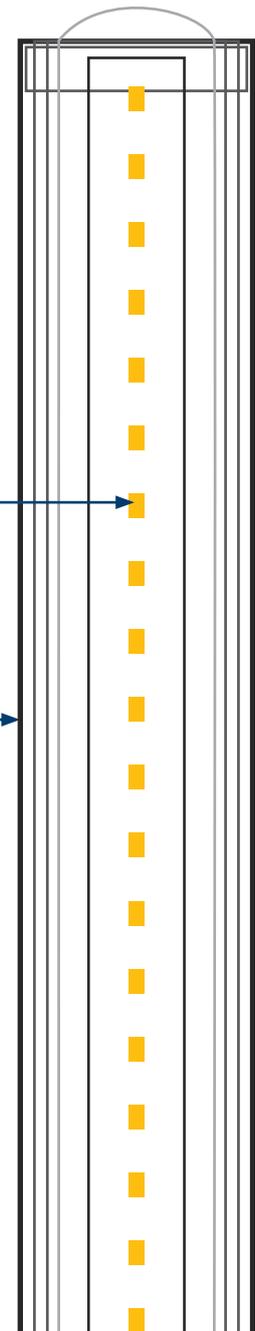
A harmonious band of light pours through our diffusers for an even, simple light source to keep you focused on the task at hand.

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

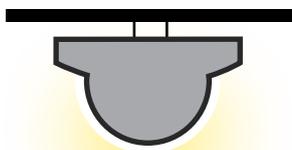
The LEDrail 1000 & 2000 are simple to install with 4 main mounting options. The LEDrail 2000 is made to fit P2000 trunking perfectly.

LEDrail 1000



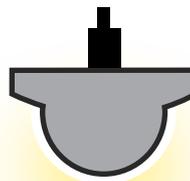
Ceiling Mount

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



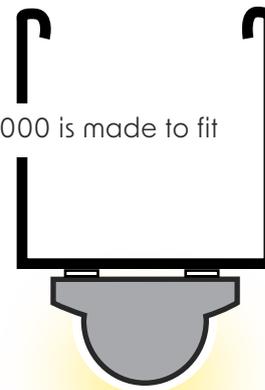
Floating Mount

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



Pendant Mount

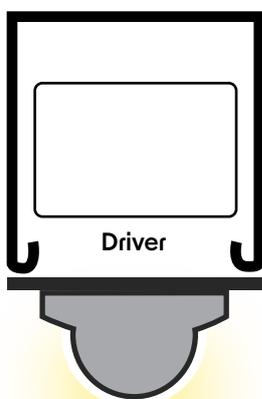
For hanging the fitting at your desired height. **On request**



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:

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



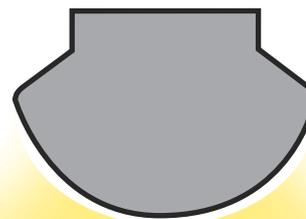
A Standard Diffuser

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



W Winged Diffuser

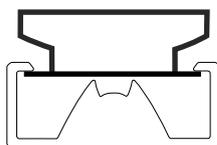
This added diffuser give you the option to focus the light to a particular area. It also gives you the option to add colour to your light. **On request**



D Type D Diffuser

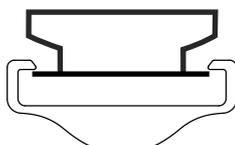
The Type D diffuser enhances the visual experience by increasing the surface area in a unique way. It creates a beautiful, soft glow without any hot spots, resulting in a more pleasing aesthetic. **On request**

Lenses



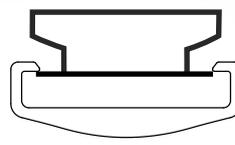
A Retail Lenses

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



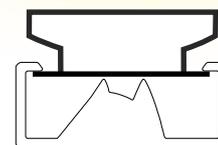
B 60° Lenses

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



Indoor



Sustainably Recyclable.



Acrylic frosted or clear housing



Lenses



Serviceable: All units are serviceable and all parts replaceable.



Colour temperature 5600K



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.



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



Replacable 10 kV surge protection module



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 (T_a) 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.



3 or 5 year warranty:

Please visit
www.energywise.co.za
T's & C's apply.

Designed and
Manufactured by

energywise

Better Light
Through Research.

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



SABS
APPROVED



MADE IN
SOUTH AFRICA

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 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



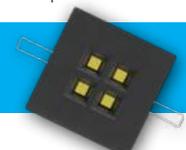
LEDrail 4LCO
Shops, Production
facilities, showrooms etc

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



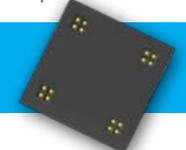
Linear 4-300
Glare free
precision lighting

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 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



EX Torch
Heavy industrial
areas.

Standard
IP: 65
Temp: 40°C



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.