



# LEDrail 4LCO

Beautiful, glare-free lighting.



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





Incredible  
inside & out



# LEDrail 4LCO

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



kV Protection



Indoor



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
<b>240V:</b>	<b>18W - 21W</b>	<b>35W - 59W</b>	<b>44W - 74W</b>	<b>53W - 89W</b>	<b>70W - 118W</b>	<b>88W - 148W</b>
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
<b>Max Ta:</b> L&B:	<b>40°C</b> L80 B10 70000Hrs	<b>40°C</b> L80 B10 70000Hrs	<b>40°C</b> L80 B10 70000Hrs	<b>40°C</b> L80 B10 70000Hrs	<b>40°C</b> L80 B10 70000Hrs	<b>40°C</b> L80 B10 70000Hrs



## Diffuser

- PMMA diffused 120° Lens.  
A harmonious band of light pours through our diffusers for an even, simple light source to keep you focused on the task at hand.



## LED board

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

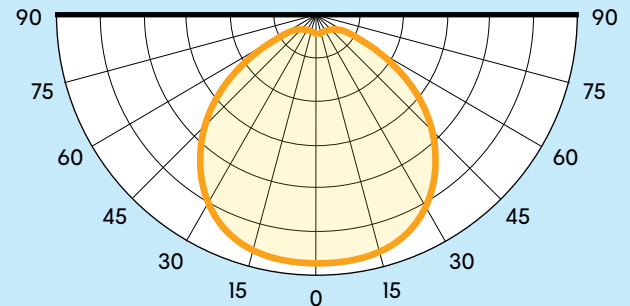


## Driver

- Constant current built-in LED driver, suitable for tough South African conditions. Designed to last up to 70 000 hours.







120° Diffuser



## Where functionality meets beauty.

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.

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.

It's versatility doesn't end there. From workshops to warehouses, laboratories to retail spaces, this diffuser excels in any setting where clear, glare-free lighting is essential. Say goodbye to eye strain and hello to productivity.

# 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 4LCO and you will notice a high level of precision. Our engineers spent months designing this luminaries housing to ensure a happy marriage between cutting edge tech and aesthetic value.





# Features

Standard across the LEDrail 4LCO range.



Indoor



Recyclable.



Acrylic frosted or clear housing



Serviceable: All units are serviceable and all parts replaceable.



5000K Standard, 3000K, 4000K, 6500K on request.



Colour rendition index 85+



LED Life rating



Earth connection and CLASS I insulation fixture.



Ceiling mount



Suspended by chain or steel cable.



Surface mount.

# 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.



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

Designed and  
Manufactured by



**Better Light  
Through Research.**

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



# 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.

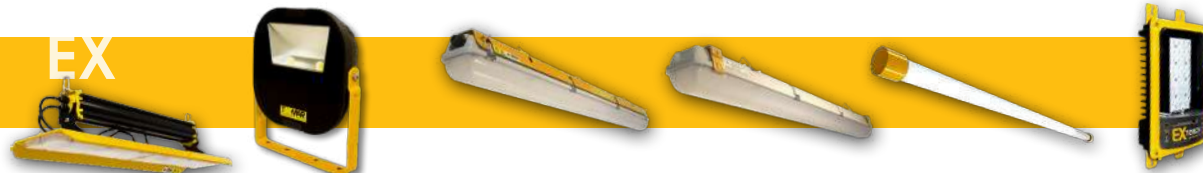
Standard  
Height: 2.5-10m  
IP: 40  
Temp: 35°C

#### 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.