

WAVEGUIDE

Professional LED Lighting for Commercial and Industrial Applications

StarLine 1

Modular Recessed Luminaire



All the benefits of traditional LED technology.
None of the drawbacks.

- Minimal glare
- Clean, bright, consistent light
- Precise and uniform illumination enabling successful achievement of complex lighting designs
- Comfortable human centric lighting
- Reduced shadowing
- Very high efficacies due to the elimination of complex secondary diffusers and heat producing components placed towards the extremities of the luminaire
- High reliability due to lower number of less stable components
- Reduced colour leakage - all the light is captured in the optical mixing chamber
- Virtually zero colour shift with angle





Enhanced Illumination

Waveguide luminaires require fewer total lumens to achieve the equivalent illuminance as competitors. Our unique, patented technology captures all of the light emitted from the LEDs and inside our mixing chamber, conditions it before precisely placing all of it onto the surface to be illuminated. This compares favourably to traditional LED technology where a significant amount of light is wasted illuminating surfaces outside the target area.



Technical Specification

Dimensions:	595 x 295 x 45 mm
Approx Weight:	4.5 Kg
Power:	23 W
Measured lumen output:	2587 lm
Colour Rendering:	> 80 CRI as standard
Colour Temperature:	4000K – as standard (available range from 3000-6500K)
Mounting Options:	Recessed
Intelligent controls:	1-10 V, DALI, and others on request
PSU Specification:	220-240 V 50-60 Hz
Inrush current:	45 A 100 µsec
Ambient Temperature:	-20 to +35 ° C
Ingress Protection:	IP40
Emergency Option:	Maintained with 3 hours of operation at 785 lumens from a NiMH Battery

[Other Options Available](#)



Benefits

- **Efficiency:** Can achieve up to 80% energy savings compared to traditional fittings
- **Low Maintenance:** Reducing costs and disruption caused by routine maintenance
- **LED Lifespan:** 133k hours minimum to L70. Tested in accordance with LM79, LM80 and TM21
- **Light Distribution:** Uniform distribution with a typical SHR of 1.5:1. Other beam spreads are available on request
- **Reliability:** Drive currents are kept low to ensure junction temperatures are optimal maximising longevity and reliability
- **Product Performance:** Excellent efficacy, due to ELR technology's precise control of light projection
- **Warranty:** 5 Years please refer to T&C



Mounting and Application



Internal



Recessed



Suspended