



Human Centric

The Waveguide range is one of the kindest interior lights available. The process of 'mixing' light via light injection before projecting it results in **virtually zero flicker or glare**, making the quality of light extremely comfortable for staff.

Precision Light Distribution

The nature of the technology allows us to set beam spread beneath each fixture with exacting **precision and uniformity**, optimising light for your space.



The Waveguide range features patented light injection technology, making it unique to the lighting market. Unlike an LED tube, light is injected into a flawless acrylic rod using a single LED at each end. Using a reflective coating, we are able to precisely define the angle of projected light and because the light is 'mixed' or defused in the rod before being projected, the Helix exhibits virtually none of the flicker or glare which can make overhead light uncomfortable or painful for the people below.

In addition to being one of the kindest solutions available for well lit areas occupied by staff, customers or patients, Helix upholds the outstanding energy efficiency, reliability and long lifetime of all Carbon Reduction Technology luminaires.



Helix

Specification

	Helix 3	Helix 4	Helix 5	Helix 6	Helix 7	Helix 8	Helix 9
Power (watts)	60	80	100	120	140	160	180
Measured Lumen Output (lumens)	7109	9480	11850	14220	16590	18960	21330
Approx. Weight	3.9 kg	4.6 kg	4.8 kg	6.5 kg	6.7 kg	7.0 kg	7.2 kg
Dimensions (mm)	485 x 485 x 42			485 x 740 x 42			
LED Drive	286mA						
Colour Temp. Range	3,000°K - 5,000°K						
Colour Rendering	> 70 CRI as standard						
PSU Specification	220 - 240 V / 50 - 60 Hz						
Inrush Current	90 A 100 µsec (surge protection available)						
Ambient Temperature	-20 to 35°C						
Standard Beam Angle	88° (standard), 37°, 2x68°, 136°						
Diffuser	Optional						
Intelligent Controls	Dimmable, 1-10 V, DALI						
Emergency option	3 hours at 785 lumens (NiMH battery)						
Enclosure Material	White powder coated or stainless steel						
Warranty	50,000 hours						

CE Certified, Vibration Protection, Thermal Protection

Efficient

Achieve up to **80% energy savings** and CO2 emissions savings compared to traditional fittings.

Reliable

The Helix is highly reliable and comes with an expected **lifespan exceeding 109,000 hours (L70)**, significantly reducing the cost and disruption associated with replacement.

Lifespan tested in accordance with LM79, LM80 & TM21.

Low Operating Temperature

The ultra efficacious performance of Helix allows for the **best light potential for the least amount of heat**. Drive currents are kept at 286mA or below, ensuring junction temperatures are kept below 55°C, maximising the lifespan of the product and ensuring reliability.

Beam Angles



37°



2x68°



88°



136°

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