







# Lux Plane

## Enjoy lighting without limits.

**Premium in both form and function, Lux Plane represents the future of LED lighting.**

Developed to transform interior environments, it asserts itself with confidence and a sense of purpose that is tempered with poise and contemporary elegance.

Offering incredible scope for customisation and optimisation, Lux Plane exists to serve as an invaluable asset for a wide range of applications. It enables the creation of sleek, ultra-functional LED lighting systems

that can be engineered to perform according to the architectural, aesthetic, environmental and commercial demands of your space.

**Achieve the unachievable with Lux Plane.**



# Lighting Technology

Due to continuous improvements and innovations, specifications may change without notice.

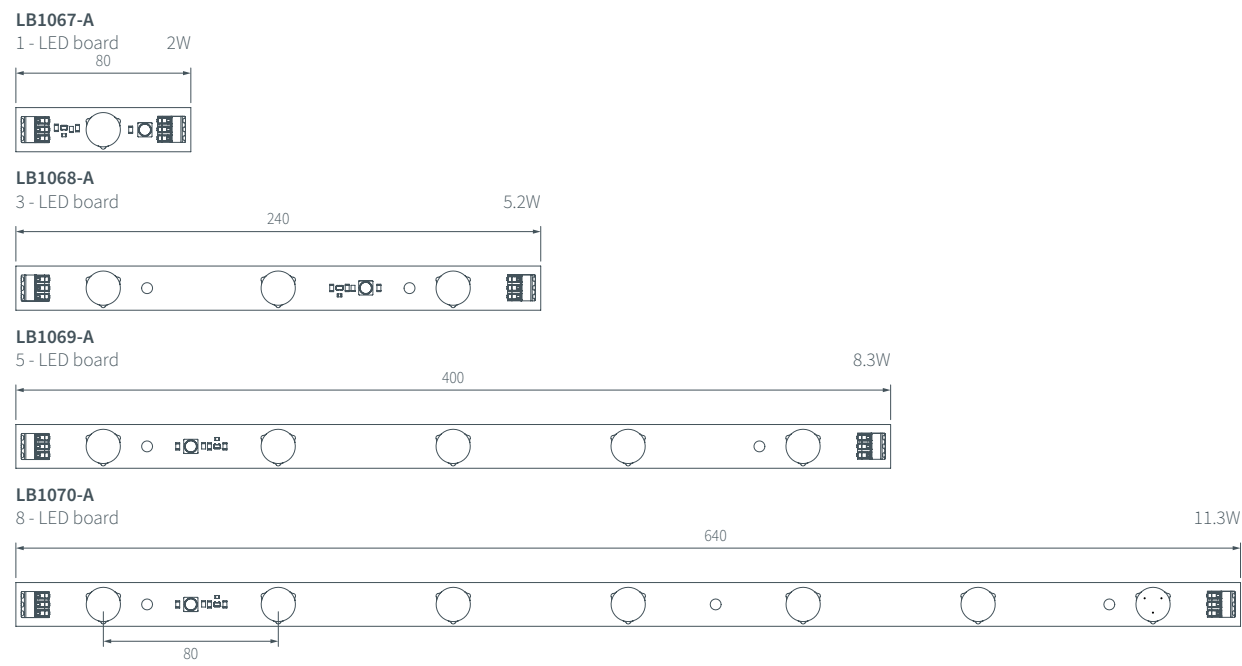
Lux Plane is the culmination of over a decade of research and investment into the development of LED lighting systems that are capable of operating at the highest levels. Using advanced LED technologies and specialist materials, Lux Plane represents our mission to provide your space with flawless illumination that is tailored to perform according to your exacting specifications.

### LED Specifications

- Dimmable LEDs can be managed in real-time so that brightness levels can be adjusted to suit individual user preferences and functional requirements.
- Colour-tuneable LEDs are available on request to enable users to easily and instantaneously alter the colour temperature of the ambient light within a space.
- High CRI (90+) LEDs are available to ensure that interior spaces, people and objects are all experienced in their truest colours.
- When compared against those used in competitor products, the LEDs in Lux Plane are both brighter and more energy-efficient.
- Individual LED components can be fixed onto single-diode boards to allow for the creation of Lux Plane lightboxes in an unbeatable range of custom shapes and sizes (see diagram below).

General Specifications	
Light level 100%	
Luminous Flux	10,000lm/m² 4000k version
Luminous Efficacy	62lm/W
CCT LED Colour Single colour	3000k / 4000k / 6500k
Colour Rendering Index (CRI)	80+ / 90+
Maintenance factor (L70)	60,000 hours
Dimming	Between 0 and 100%
Control interface	DALI or 0-10v
Input Voltage / power	220 to 240V / 50 to 60 Hz
Operating Voltage	24V
Emergency Lighting	Available upon request
Luminaire type	Non-user replaceable light source
Compliance	CE & UKCA

### LED Modular Board Sizes





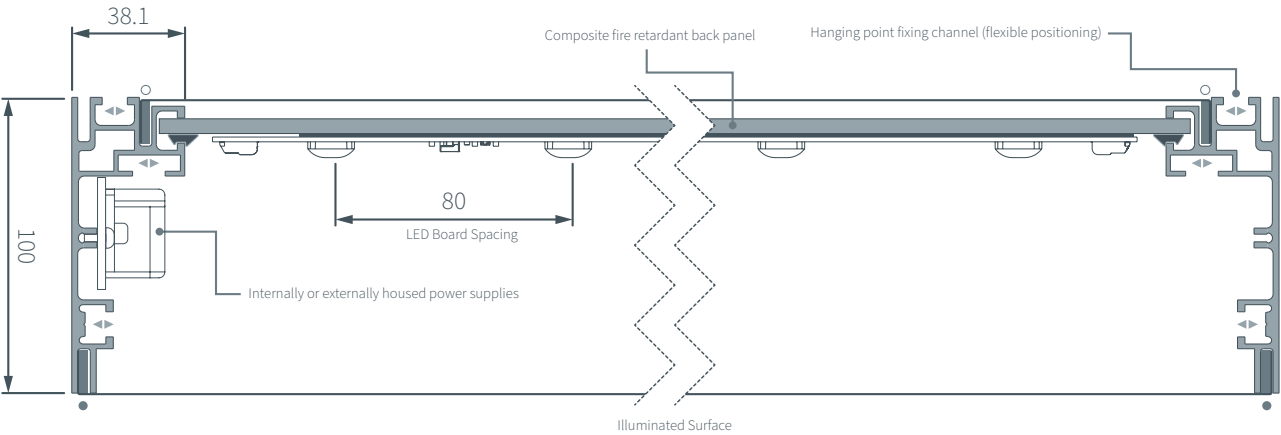
# Frame Specifications

## Ledge 100

Lux Plane uses our Ledge 100 lightbox frames to create high-performance LED lighting systems with the levels of strength and rigidity needed to ensure that they can be suspended safely in environments of all types. Manufactured using specially-developed aluminium profiles, Lux Plane frames offer a range of different fixing methods to blend seamlessly with the existing interior architecture of your space.

General Specifications	
Frame Depth	100mm (excluding mounting kits)
Illuminated Face Material	Polyester (FR)
Frame Colour(s) Standard	Satin Silver / Matte Black / Matte White (Other colours and finishes available upon request)
Rear Panel	KAPA®TECH FR
PSU	Internal or External
Gear Tray (If drivers housed externally)	
Dimensions	300 W x 500 L x 50 D (May vary dependant on power requirements)
Contains	Drivers and terminal block

Frame cross section



- = Illuminated Fabric channel
- = Optional non-illuminated cover fabric channel
- ◄► = Connector channel



Adjustable hanging positions.

# Additional features

The use of KAPA®tech back panels means that Lux Plane lightboxes are certified as being fully fire-retardant to universally-recognised standards. They can also be engineered to include integrated emergency lighting systems to satisfy commercial and residential safety requirements.

Lux Plane lightboxes can be supplied with passive infrared (**PIR**) sensors to enable them to automatically turn on or off by detecting when people enter and leave a space. This feature not only greatly extends the functionality of Lux Plane but also ensures that lighting systems consume as little energy as possible by operating only when needed.

**Access hatches** can be built into the back panels of Lux Plane lightboxes to make it easy for engineers to carry out any routine maintenance to the mechanical and electrical systems that is needed to uphold commercial safety standards and ensure optimum performance at all times.



External PSU Gear tray.



# Example Sizes

EULUMDAT files detailing the photometric data of Lux Plane installations can be provided on request.

Below table are based on estimates - Lux levels will be dependant on environment & weights may vary due to suspen-  
sion method and PSU position.

	Box Size (4000k / 80+ CRI)				
	1200 x1200	1200 x 1800	1200 x 2400	1200 x 3000	1800 x 3000
Weight (kg)	18	23	29	34	44
Total Lumens (lm)	15380	23070	31860	39550	59325
Total Wattage (W)	248.1	372.1	513.9	637.9	956.9
No. of PSU's	2	2	3	4	5
Lux Levels @ Optimum point					
Lux @ 1m	2500	3500	4000	4400	5700
Lux @ 2m	1000	1400	1800	2000	3000
Lux @ 3m	500	750	1000	1200	1800
Lux @ 4m	330	500	680	800	1200
Lux @ 5m	240	350	480	590	880

Get In Touch

+44(0)161 655 2100  
info@unibox.co.uk  
www.unibox.co.uk

**HQ:**  
Greenside Way, Middleton, Manchester M24 1SW

