

# Flux 18

## Edge lit lightboxes

### Description

Flux 18 is the all in one edge lit solution for your illuminated displays. Lumenal designed PCBs provide incredibly bright, even illumination across custom sized graphic display frames.

The aluminium frame houses the laser etched light guide plate, LEDs, wiring and thermal management allowing it to be built into any display fixture. Graphics are held in place by a PETG lens with magnetic fixing.

### Key Attributes

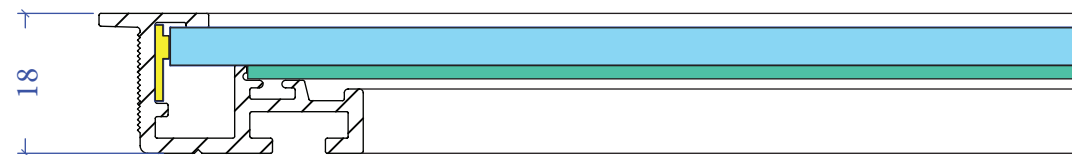
- Even light distribution
- Clear gloss graphic lens for premium look
- Slimmest 18mm profile

### LED Details

Operating Voltage	110V~240V AC
Operating Frequency	50~60Hz
Power Factor	>0.9 Typical <sup>3</sup>
Total Power Consumption <sup>1</sup>	38W per square metre
LED	Seoul
LED Quantity	120 per metre
LED Operating Voltage	24V DC
Drive Current	1.3A per metre
PCB Power Consumption	32W per metre
LED Colour Temperature <sup>2</sup>	5700K
LED Lifetime <sup>4</sup>	>36,000 hours

1. Assuming Power Supply efficiency of 80%  
3. Power Factor is dependent on Power Supply Unit and Load

2. 5700K typical. +/- 250K  
4. Based on Manufacturers data at 55 degrees celsius



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