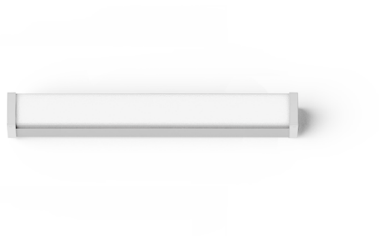
UMBRA CORE II DIFFUSED

Core II Diffused Batten, Power Selectable, Tri-CCT

- Easy installation: new design makes it easy to install.
- High Efficiency: up to 124lm/W for top energy savings.
- Size Variety: Available in 600mm, 1200mm, 1500mm.
- Customisable CCT: Select from 4000K, 5000K, 6500K.
- Versatile Applications: EM and non-EM models available for all needs.
- Simplified Setup: Large terminal block for easier wiring.
- Impact Resilient: Built to withstand daily use.
- 5-Year Warranty: Long-term reliability guaranteed.



ORDERING INFORMATION

Order code	11860
Description	Umbra Core 600mm Diffused LED Batten - Tri-CCT
Driver Type	Fixed output
Item Code	EV-UMBRA-CORE-II-DIFF-600

EFFICIENCIES

Total System Efficiency	111 lm/W

The performance of each component of a luminaire is demonstrated through its efficiencies, which together determine the total system efficiency of the product. The output of the LED chip is first multiplied by the optical and thermal efficiencies to calculate the Luminaire efficiency. However, this calculation does not consider the driver efficiency. To determine the overall efficiency of the system, the Luminaire efficiency must be multiplied by the driver efficiency, which accounts for all losses in the system.

MECHANICAL

Body Material	Powder coated steel
Diffuser Material	Polycarbonate
Fitting Colour	White
IK Rating	IK08
Installation Type	Surface mount
IP Rating	IP20

ELECTRICAL

Electrical Rating	Class I
Input Current	0.08 A
Input Frequency	50 Hz
Input voltage	230Vac

In Australia the Input voltage is defined as 230Vac -6%/+10%. This effectively means that the voltage range of these products are 216Vac - 253Vac or 240V +6%

Maximum Wattage	18 W
Power Factor	0.9
Switch Type	Inline
Working Temp Range	0 to 40 °C

LAMP

Macadam Steps (SDCM)	5-step MacAdam Ellipse
CCT Configuration	TRI-CCT
Colour Rendering Index (CRI)	>80

LED LIFETIME

LED Lifetime	>60000 hrs

This is the Reported LED Lifetime in Hours based on TM-21. Ektor does not list the projected or calculated LED lifetime, which is normally longer as TM-21 Addendum B explicitly states "The Calculated and Projected Lp(Dk) are not to be reported". This Lifetime refers to the life of a single LED however the system life is longer since the probability and binomial distribution of all LEDs in the system means that the average led is performing above the specification and compensates for the LEDs falling below.

Ambient Temp (°C)	25 °C	40 °C
L90B10	44000 hrs	44000 hrs

This rating defines the performance of the led within its lifetime. L relates to lumen depreciation, where the proceeding number gives the resultant lumen output at the end of it reported lifetime. L70, would mean 30% lumen

depreciation which means 70% of its initial output and is tested accordingly to TM-21. The B part refers to failures, which can be define as the percentage of LEDs which fall below the L value in the projected lifetime. A value of B10 refers to 10% failure and a value of B50 refers to 50% failure. After the defined lifetime, the system will reach the defined lumen depreciation and the average led failures is defined by the B rating. The B rating is defined in and tested to IEC62717.

TM-21 Test Hours	10000 hrs

COLOUR TEMPERATURE

9 Watts	
4000 K	1100 lm
5000 K	1200 lm
6500 K	1150 lm
18 Watts	
4000 K	1800 lm
5000 K	2000 lm
6500 K	1840 lm

DRIVER

Dimmable	No
Driver Included	Yes
Integrated Driver	No
Driver Mode	Constant Current
Driver Type	Fixed output
Wiring Type	Re-wireable terminal block (3 pin)

COMPLIANCE

Product Design Life	6 years

The product design life relates to the total product life which includes LEDs, drivers and the enclosure. This is different to the LED lifetime which only refers to the economical lifetime of the LEDs at which time the lumen output has dropped below the L Value. The product design life is calculated at the maximum ambient or working temperature of the product and takes into account the Daily Use.

Daily Use	12 hrs

The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.

Standards	AS/NZS 60598.1 AS/NZS 60598.2.1 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15

WARRANTY

Commercial Use Warranty	5 RTB (Total 5 Years)
Warranty Operating Hours	15000 hrs

This product is provided with a warranty up until the stated warranty period or until the stated warranty operating hours has been reached (whichever occurs first).

DIMENSIONS

Product Height	74 mm
Product Length	603 mm
Product Width	74 mm

LINE DRAWINGS

EV/UMBRA/CORE/II/DIFF/600