

EV-UMBRA-ADV-DIFF-600-TRI

Advanced Diffused Batten, Dual Power, Tri-CCT

FEATURES

- Tri-colour selection
- Long life electronics
- LED lifetime >60,000 hours
- 8 years design life at max. ambient
- Increased ambient temperature of 40 degrees
- Increased lumen efficiency
- Exclusive 5 year warranty



ORDERING INFORMATION	
Order code	12180
Description	UMBRA ADVANCED 600mm Diffused LED batten - Tri-CCT
Driver Type	Fixed output
Item Code	EV-UMBRA-ADV-DIFF-600-TRI

MECHANICAL	
Body Material	Powder Coated Steel
Diffuser Material	PMMA
Fitting Colour	White
Installation Type	Surface mount
IP Rating	IP20

ELECTRICAL	
Electrical Rating	Class I
Input Current	0.1 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	17 W
Power Factor	0.9
Switch Type	Inline
Working Temp Range	0 to 40 °C

LAMP	
Macadam Steps (SDCM)	4-step MacAdam Ellipse
CCT Configuration	TRI-CCT
CRI	>80
Lamp/LED Current	350 mA
Lamp/LED voltage	42 V
System Efficiency	118 lm/W



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	23000 hrs	23000 hrs
L80B10	47000 hrs	47000 hrs
L70B10	>60000 hrs	>60000 hrs
L70B50	>60000 hrs	>60000 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

CCT 4000 K

LED Wattage 17 W

System Lumens 1850 lm

All photometric data has a tolerance of ±10%.

DRIVER

Dimmable No

Driver Included Yes

Integrated Driver No

Driver Type Fixed output

Wiring Type Re-wireable terminal block (3 pin)

ENERGY SAVINGS SCHEME

Ipert Approval Yes

REES Approval Yes

VEU Approval Yes

COMPLIANCE

Product Design Life 8 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 16 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 2 Onsite, 3 RTB (Total 5 Years)

This product is covered with our extended commercial use warranty, which covers the product for up to 5-years. The first 2-years of the warranty is provided onsite within our terms and conditions and the remaining 3-year period is covered by a return to base warranty.

Warranty Operating Hours 25000 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

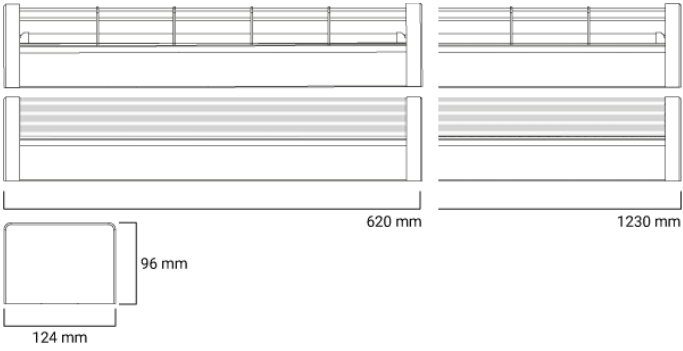
Product Height 93 mm

Product Length 620 mm

Product Width 130 mm

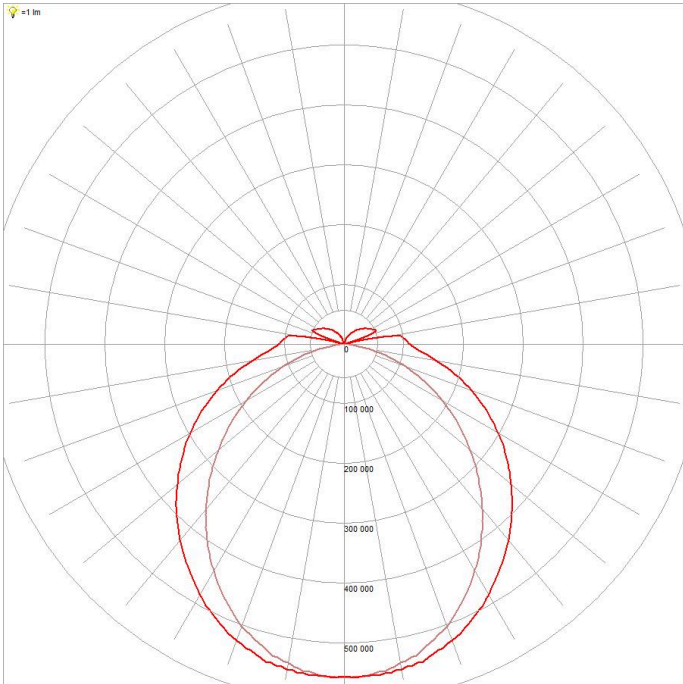
LINE DRAWINGS

EV/UMBRA/ADV/DIFF

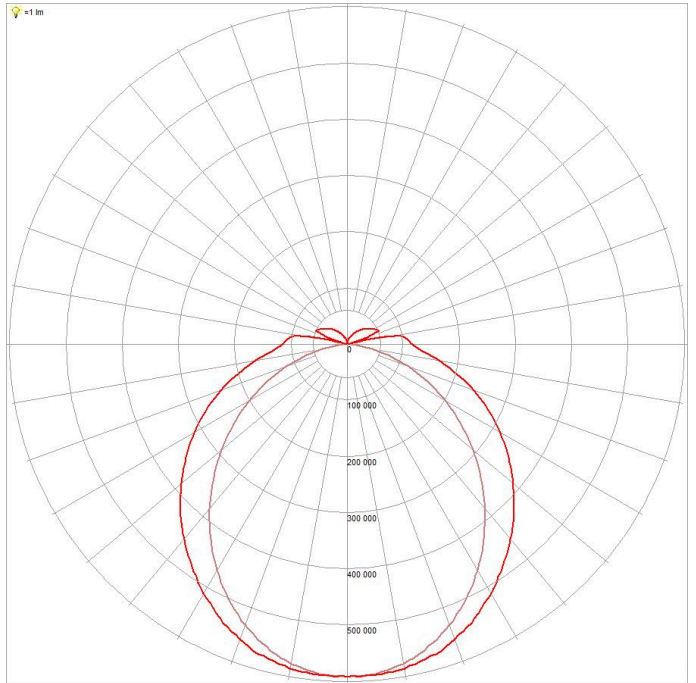


PHOTOMETRICS

UMBRA_ADV_DIFF_600MM_FULL_POWER_6500K



UMBRA_ADV_DIFF_600MM_FULL_POWER_5000K



UMBRA_ADV_DIFF_600MM_FULL_POWER_4000K

