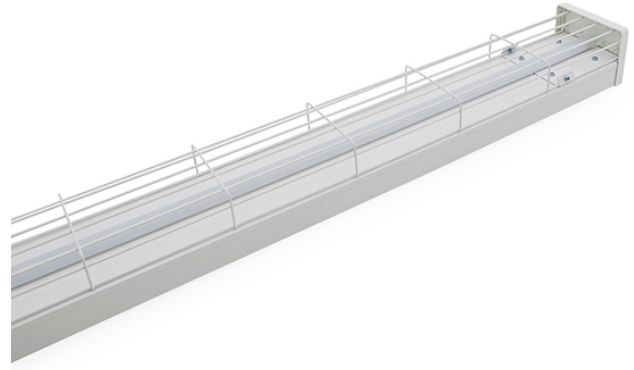


# UMBRA ADVANCED WIREGUARD

Advanced Wireguard 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
- Emergency models fully compliant (AS/NZS 2293.3)
- High quality lithium battery (LiFePO4) and smart charger included with emergency models



## ORDERING INFORMATION

<b>Order code</b>	12187
<b>Description</b>	UMBRA ADVANCED 1200mm Wireguard LED Emergency batten - Tri-CCT
<b>Driver Type</b>	Fixed output
<b>Item Code</b>	EV-UMBRA-ADV-WG-1200-EM-TRI

## MECHANICAL

<b>Body Material</b>	Powder Coated Steel
<b>Diffuser Material</b>	PMMA
<b>Fitting Colour</b>	White
<b>Installation Type</b>	Surface mount
<b>IP Rating</b>	IP20

## ELECTRICAL

<b>Electrical Rating</b>	Class I
<b>Input Current</b>	0.2 A
<b>Input Frequency</b>	50 Hz
<b>Input voltage</b>	230Vac
<b>Maximum Wattage</b>	38 W
<b>Power Factor</b>	0.9
<b>Standby Power</b>	1 W

Standby power for non-maintained/switched maintained emergency devices is measured when the light is off and the charger is in standby mode. For maintained emergency devices, standby power is measured when the light is on

and the charger is in standby mode. Typically, charging occurs for the first 16 hours after the device is powered or after a battery discharge.

<b>Switch Type</b>	Inline
<b>Working Temp Range</b>	0 to 40 °C

## LAMP

<b>Macadam Steps (SDCM)</b>	4-step MacAdam Ellipse
<b>CCT Configuration</b>	TRI-CCT
<b>CRI</b>	>80
<b>Lamp/LED Current</b>	890 mA
<b>Lamp/LED voltage</b>	36 V
<b>System Efficiency</b>	120 lm/W

## LED LIFETIME

<b>LED Lifetime</b>	>54000 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.		
<b>Ambient Temp (°C)</b>	25 °C	40 °C
<b>L90B10</b>	18000 hrs	18000 hrs
<b>L80B10</b>	35000 hrs	35000 hrs
<b>L70B10</b>	>54000 hrs	>54000 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

<b>TM-21 Test Hours</b>	10000 hrs
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### COLOUR TEMPERATURE

<b>CCT</b>	4000 K
<b>LED Wattage</b>	36 W
<b>Luminaire Lumens</b>	4250 lm

All photometric data has a tolerance of  $\pm 10\%$ . Luminaire lumens refers to the exit lumens or delivered lumens from the luminaire.

### DRIVER

<b>Dimmable</b>	No
<b>Driver Included</b>	Yes
<b>Integrated Driver</b>	No
<b>Driver Type</b>	Fixed output
<b>Wiring Type</b>	Re-wireable terminal block (4 pin)

### EMERGENCY (EM SUFFIX)

<b>Replacement Battery Code</b>	01302
<b>Emergency Classification</b>	C0:D63, C90:D40
<b>Emergency Duration</b>	90 mins
<b>Emergency Lumen Output</b>	400 lm
<b>Emergency Mode</b>	Maintained
<b>Emergency Output Power</b>	3400 mW

### ENERGY SAVINGS SCHEME

<b>Ipart Approval</b>	Yes
<b>REES Approval</b>	Yes
<b>VEU Approval</b>	Yes

### COMPLIANCE

<b>Product Design Life</b>	8 years
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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.

<b>Daily Use</b>	16 hrs
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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.

<b>Standards</b>	AS/NZS 60598.1 AS 60598.2.22 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15
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### WARRANTY

<b>Commercial Use Warranty</b>	5Y return to base on General lighting components 6Y return to base on Emergency lighting components First 2Y includes an exclusive onsite warranty
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<b>Warranty Operating Hours</b>	25000 hrs
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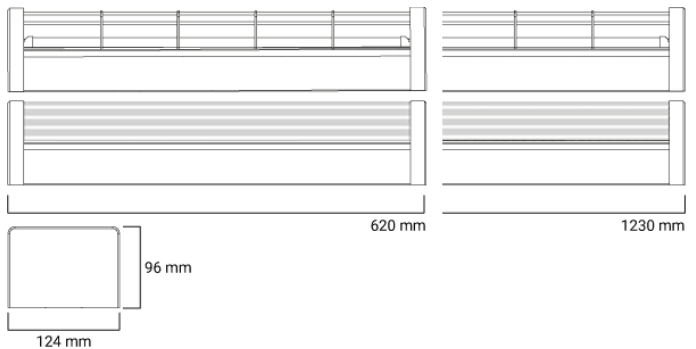
This product is provided with a warranty up until the stated warranty period or until the stated warranty operating hours has been reached (whichever occurs first).

### DIMENSIONS

<b>Product Height</b>	93 mm
<b>Product Length</b>	1230 mm
<b>Product Width</b>	130 mm

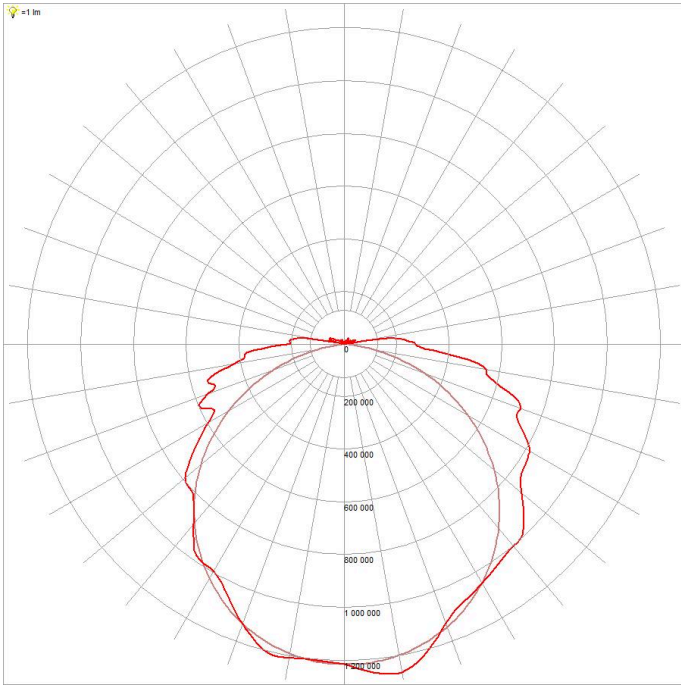
### LINE DRAWINGS

#### EV/UMBRA/ADV/WG

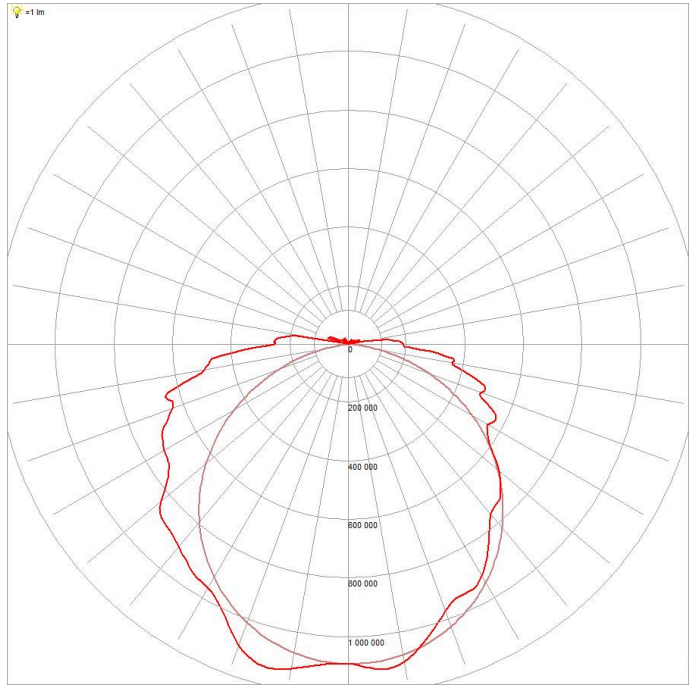


### PHOTOMETRICS

UMBRA/ADV/WG/1200/EM/TRI/FULL/4000K



UMBRA/ADV/WG/1200/EM/TRI/FULL/6500K



UMBRA/ADV/WG/1200/EM/TRI/FULL/5000K

