UMBRA ADVANCED DIFFUSED

Advanced Diffused Batten

FEATURES

- Tri-colour selection
- Long life electronics
- LED lifetime >60,000 hours
- 7 Years Design Life - 60,000 hours at max. ambient
- Increased ambient temperature of 40°
- Increased lumen efficiency
- Exclusive 5 year warranty

SELECTED MODELS

- Emergency models fully compliant (AS/NZS 2293.3)
- High Quality Lithium battery (LiFePO4) and smart charger included with emergency models
- Microwave sensor
- Corridor mode

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	
EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI EV-UMBRA-ADV-DIFF-1200-S-TRI EV-UMBRA-ADV-DIFF-1200-TRI	0.2 A
EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI EV-UMBRA-ADV-DIFF-600-S-TRI EV-UMBRA-ADV-DIFF-600-TRI	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	
EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-S-TRI EV-UMBRA-ADV-DIFF-1200-TRI	36 W
EV-UMBRA-ADV-DIFF-1200-EM-TRI	38 W
EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI	24 W
EV-UMBRA-ADV-DIFF-600-S-TRI	22 W
EV-UMBRA-ADV-DIFF-600-TRI	17 W
Power Factor	0.9
Standby Power	1 W

Standby power for maintained emergency devices is measured when the light is on and the charger is in standby. Typically charging occurs for the first 16 hours after the device is powered or after a discharge. For non-maintained emergency devices or DALI controlled devices this is measured when the light is off and charger is in standby mode.

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	
EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI EV-UMBRA-ADV-DIFF-1200-S-TRI	890 mA
EV-UMBRA-ADV-DIFF-1200-TRI	800 mA
EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI EV-UMBRA-ADV-DIFF-600-S-TRI	480 mA

EV-UMBRA-ADV-DIFF-600-TRI	350 mA

Lamp/LED voltage

EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI EV-UMBRA-ADV-DIFF-1200-S-TRI EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI EV-UMBRA-ADV-DIFF-600-S-TRI	36 V
EV-UMBRA-ADV-DIFF-1200-TRI EV-UMBRA-ADV-DIFF-600-TRI	42 V

System Efficiency (L/W)

EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI EV-UMBRA-ADV-DIFF-1200-S-TRI EV-UMBRA-ADV-DIFF-1200-TRI	136
EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI EV-UMBRA-ADV-DIFF-600-S-TRI	107
EV-UMBRA-ADV-DIFF-600-TRI	118

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.

EV-UMBRA-ADV-DIFF-1200-EM-S-TRI
EV-UMBRA-ADV-DIFF-1200-S-TRI

Ambient Temp (°C)	25 °C	40 °C
L90B10	23000 hrs	23000 hrs
L80B10	47000 hrs	46000 hrs
L70B10	>60000 hrs	>60000 hrs
L70B50	>60000 hrs	>60000 hrs

EV-UMBRA-ADV-DIFF-1200-EM-TRI
EV-UMBRA-ADV-DIFF-1200-TRI
EV-UMBRA-ADV-DIFF-600-TRI

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

EV-UMBRA-ADV-DIFF-600-EM-S-TRI

Ambient Temp (°C)	25 °C	40 °C
L90B10	23000 hrs	22000 hrs
L80B10	47000 hrs	44000 hrs
L70B10	>60000 hrs	>60000 hrs
L70B50	>60000 hrs	>60000 hrs

EV-UMBRA-ADV-DIFF-600-EM-TRI

Ambient Temp (°C)	25 °C	40 °C
L90B10	23000 hrs	22000 hrs
L80B10	47000 hrs	45000 hrs
L70B10	>60000 hrs	>60000 hrs
L70B50	>60000 hrs	>60000 hrs

EV-UMBRA-ADV-DIFF-600-S-TRI

Ambient Temp (°C)	25 °C	40 °C
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. 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.

TM-21 Test Hours	10000 hrs

COLOUR TEMPERATURE

EV-UMBRA-ADV-DIFF-1200-EM-S-TRI
EV-UMBRA-ADV-DIFF-1200-EM-TRI
EV-UMBRA-ADV-DIFF-1200-S-TRI
EV-UMBRA-ADV-DIFF-1200-TRI

20 Watts	
Warm White (4000K)	3050 lm
Cool White (5000K)	3150 lm
DayLight (6500K)	3000 lm
36 Watts	
Warm White (4000K)	4700 lm
Cool White (5000K)	4900 lm
DayLight (6500K)	4700 lm

EV-UMBRA-ADV-DIFF-600-EM-S-TRI
EV-UMBRA-ADV-DIFF-600-EM-TRI
EV-UMBRA-ADV-DIFF-600-S-TRI

12 Watts	
Warm White (4000K)	1200 lm
Cool White (5000K)	1250 lm
DayLight (6500K)	1200 lm
22 Watts	
Warm White (4000K)	2250 lm
Cool White (5000K)	2350 lm
DayLight (6500K)	2200 lm

EV-UMBRA-ADV-DIFF-600-TRI

9 Watts	
Warm White (4000K)	1100 lm
Cool White (5000K)	1150 lm
DayLight (6500K)	1100 lm
17 Watts	
Warm White (4000K)	1850 lm
Cool White (5000K)	2000 lm
DayLight (6500K)	1850 lm

DRIVER

Dimmable	No
Driver Included	Yes
Integrated Driver	No
Driver Type	Fixed output
Wiring Type	
EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI EV-UMBRA-ADV-DIFF-1200-S-TRI EV-UMBRA-ADV-DIFF-600-EM-S-TRI	Re-wireable terminal block (4 pin)

EV-UMBRA-ADV-DIFF-600-EM-TRI EV-UMBRA-ADV-DIFF-600-S-TRI	AS/NZS 2293.3 AS/NZS 60598.2.1
EV-UMBRA-ADV-DIFF-1200-TRI EV-UMBRA-ADV-DIFF-600-TRI	Re-wireable terminal block (3 pin)

SENSOR (S SUFFIX)

Adjustable Detection Area / Sensitivity	Yes
Adjustable Hold Time	Yes
Adjustable Standby Level	Yes
Adjustable Standby Period	Yes
Corridor Function	Yes
Detection Range	10 m
Dusk Mode	Yes
Lux Adjustment	Yes
Sensor Type	Microwave
Switched Output	No
Time Delay	5s-14mins mins

EMERGENCY (EM SUFFIX)

Replacement Battery Code	01302
Emergency Classification	
EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI	C0:D63, C90:D40
EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI	C0:D63, C90:D32
Emergency Duration	90 mins
Emergency Lumen Output	
EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI	450 lm
EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI	400 lm
Emergency Mode	Maintained
Emergency Output Power	3400 mW

COMPLIANCE

Product Design Life	70000 hrs

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 lifetime of the LEDs. The product design life is calculated at the maximum ambient or working temperature of the product.

Standards	AS/NZS 60598.1 AS 60598.2.22 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.

DIMENSIONS

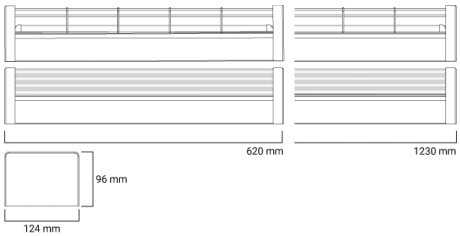
Product Height	93 mm
Product Length	
EV-UMBRA-ADV-DIFF-1200-EM-S-TRI EV-UMBRA-ADV-DIFF-1200-EM-TRI EV-UMBRA-ADV-DIFF-1200-S-TRI EV-UMBRA-ADV-DIFF-1200-TRI	1230 mm
EV-UMBRA-ADV-DIFF-600-EM-S-TRI EV-UMBRA-ADV-DIFF-600-EM-TRI EV-UMBRA-ADV-DIFF-600-S-TRI EV-UMBRA-ADV-DIFF-600-TRI	620 mm
Product Width	130 mm

ORDERING INFORMATION

ORDER CODE	ITEM CODE	DESCRIPTION
12189	EV-UMBRA-ADV-DIFF-1200-EM-S-TRI	UMBRA ADVANCED 1200mm LED Emergency batten - Tri-CCT w sensor
12186	EV-UMBRA-ADV-DIFF-1200-EM-TRI	UMBRA ADVANCED 1200mm LED Emergency batten - Tri-CCT
12188	EV-UMBRA-ADV-DIFF-1200-S-TRI	UMBRA ADVANCED 1200mm LED batten - Tri-CCT w sensor
12184	EV-UMBRA-ADV-DIFF-1200-TRI	UMBRA ADVANCED 1200mm LED batten - Tri-CCT
12183	EV-UMBRA-ADV-DIFF-600-EM-S-TRI	UMBRA ADVANCED 600mm LED Emergency batten - Tri-CCT w sensor
12181	EV-UMBRA-ADV-DIFF-600-EM-TRI	UMBRA ADVANCED 600mm LED Emergency batten - Tri-CCT
12182	EV-UMBRA-ADV-DIFF-600-S-TRI	UMBRA ADVANCED 600mm LED batten - Tri-CCT w sensor
12180	EV-UMBRA-ADV-DIFF-600-TRI	UMBRA ADVANCED 600mm LED batten - Tri-CCT

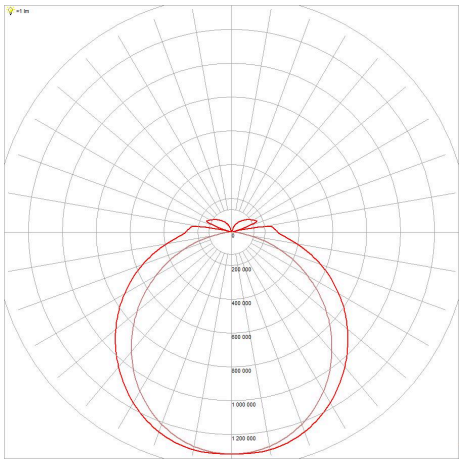
LINE DRAWINGS

EV/UMBRA/ADV/DIFF



PHOTOMETRICS

UMBRA_ADV_DIFF_1200MM_(EM+S)_FULL_POWER_6500K



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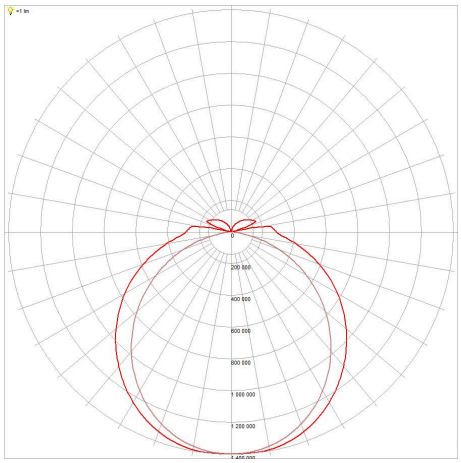

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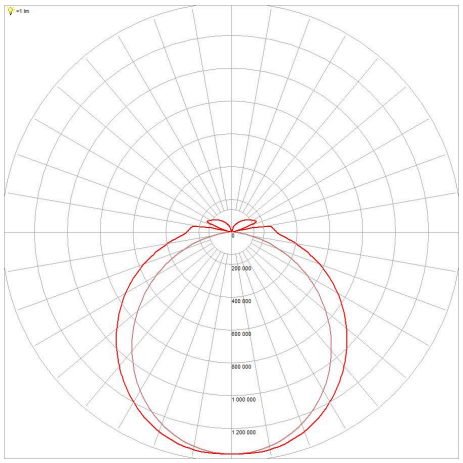

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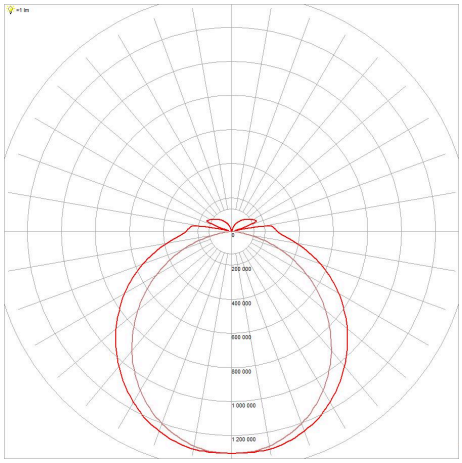

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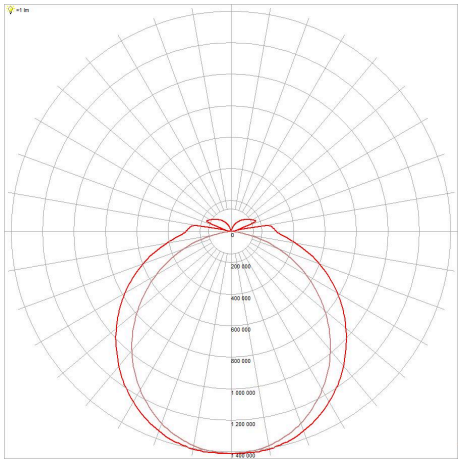

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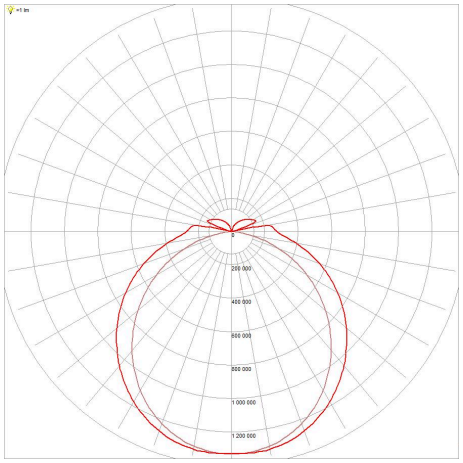

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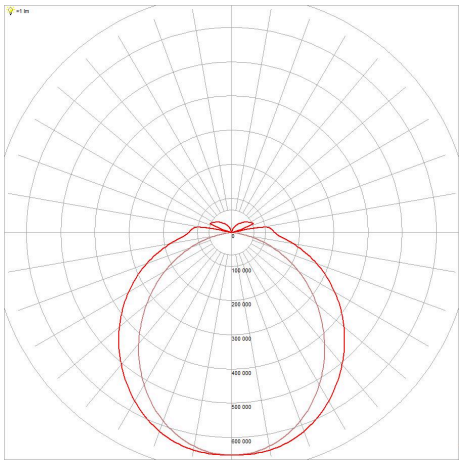

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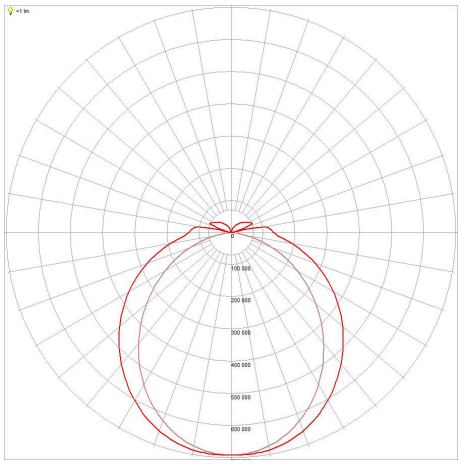

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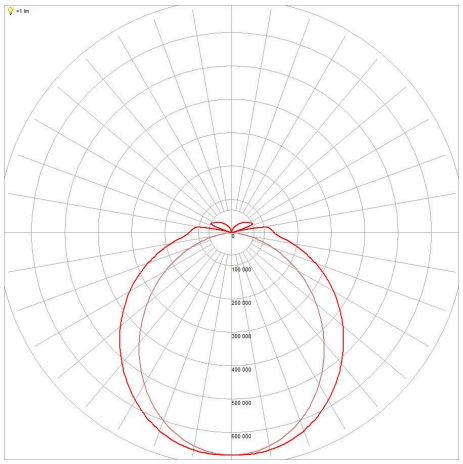

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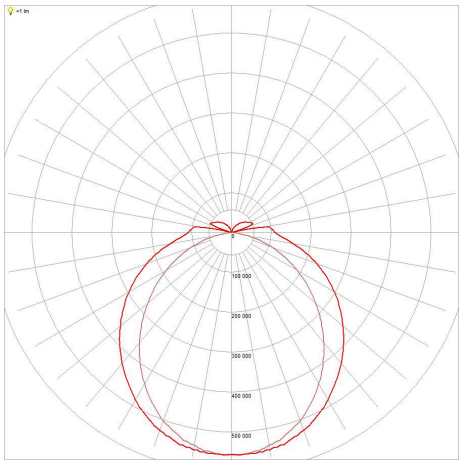

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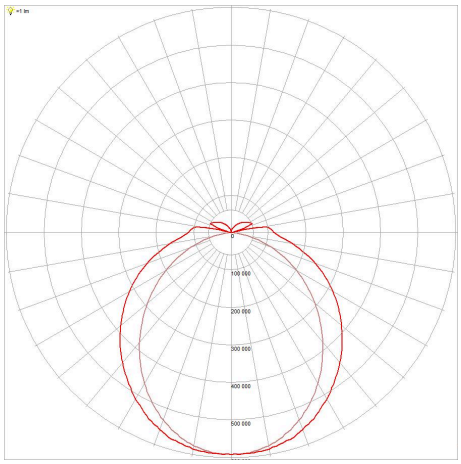

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