EV-UMBRA-ADV-IP65-1200-EM-S-TRI

Advanced IP65 Weatherproof Batten

FEATURES

- Tri-colour selection
- IP65 weatherproof rating and IK08 impact rating
- Selectable output power
- Exclusive 5 year warranty
- Increased Lumen efficiency
- Increased ambient temperature of 40 degrees
- Emergency models fully compliant (AS/NZS 2293.3)
- High Quality Lithium battery (LiFePO4) and smart charger included with emergency models

MECHANICAL

Body Material	Polycarbonate
Diffuser Material	Polycarbonate
Fitting Colour	Grey
IK Rating	IK08
Installation Type	Surface mount
IP Rating	IP65

LAMP

Macadam Steps (SDCM)	4-step MacAdam Ellipse
CCT Configuration	TRI-CCT
CRI	>80
Lamp/LED Current	890 mA
Lamp/LED voltage	36 V
System Efficiency (L/W)	118

ELECTRICAL

Electrical Rating	Class I
Input Current	0.2 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	36 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

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	21000 hrs
L80B10	46000 hrs	42000 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. 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

20 Watts

Warm White (4000K)	>2150 lm
Cool White (5000K)	>2200 lm
DayLight (6500K)	>2100 lm

36 Watts

Warm White (4000K)	>4100 lm
Cool White (5000K)	>4250 lm
DayLight (6500K)	>4000 lm

DRIVER

Dimmable	No
Driver Included	Yes
Integrated Driver	No
Driver Mode	Constant Current
Driver Type	Fixed output
Wiring Type	Re-wireable terminal block (4 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	C0:D63, C90:D40
Emergency Duration	90 mins
Emergency Lumen Output	400 lm
Emergency Mode	Maintained
Emergency Output Power	3600 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
	AS/NZS 2293.3

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	1230 mm
Product Width	130 mm

ORDERING INFORMATION
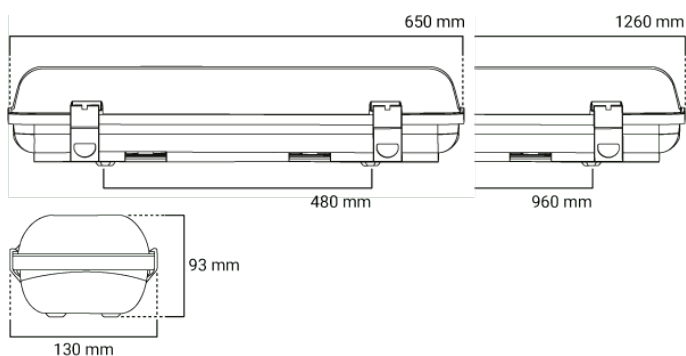
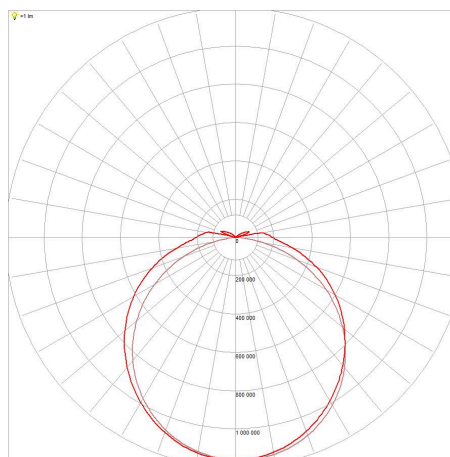|	
Order code	12033
Description	EV-UMBRA-ADV-IP65-1200-EM-S-TRI~UMBRA ADVANCED 1200mm LED Emergency batten - Tri-CCT w sensor
Item Code	EV-UMBRA-ADV-IP65-1200-EM-S-TRI

Information is subject to change without prior notice. Images are for illustrative purposes only. E&OE

LINE DRAWINGS

EV/UMBRA/ADV/IP65

650 mm

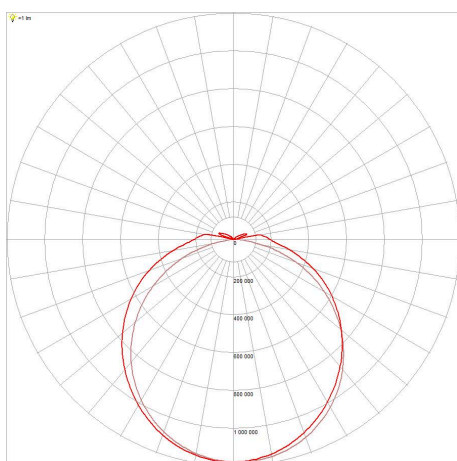1260 mm

480 mm

960 mm

93 mm

130 mm

UMBRA_ADV_IP65_1200MM_(EM+S)_FULL_POWER_6500K

PHOTOMETRICS

UMBRA_ADV_IP65_1200MM_(EM+S)_FULL_POWER_4000K

UMBRA_ADV_IP65_1200MM_(EM+S)_FULL_POWER_5000K

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