

UMBRA PROFESSIONAL IP65

Professional IP65 Weatherproof Batten

FEATURES

- Power monitoring (DT51)
- Tuneable white (DT8-Tc) controlled by DALI
- Flicker-free dimming controlled by DALI
- IP65 weatherproof rating and IK08 impact rating
- LED Lifetime >120,000 hours
- 10 Years Design Life at max. ambient
- Self-test (AS2293/IEC62034)

SELECTED MODELS

- DALI (IEC62386)
- Emergency models fully compliant (AS/NZS 2293.3)
- Soft-start charger to reduce building load
- High Quality Lithium battery (LiFePO4) and smart charger included with emergency models
- Microwave sensor suitable for DALI-2 supporting IEC 62386-303
- Corridor mode function in standalone operation



MECHANICAL

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

EV-UMBRA-PRO-IP65-600-S

ELECTRICAL

Electrical Rating	Class I
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-PRO-IP65-1200 EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-1200-EM-S-LK EV-UMBRA-PRO-IP65-1200-S	33 W
EV-UMBRA-PRO-IP65-600 EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S	20 W



Power Factor	0.95
Standby Power	0.3 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	Inbuilt Mains Rated DALI Switch
A Terminal input has been provided to allow the wiring of a Main rated switch input. This input can be programmed to switch any controlled area when using a DALI-2 compliant control system. This input supports IEC62386-301 (momentary or rocker switches), IEC62386-302 (on /off switches) and IEC62386-303 (mains rated sensor inputs).	
Working Temp Range	0 to 40 °C

LAMP	
Macadam Steps (SDCM)	3-step MacAdam Ellipse
CCT Configuration	TUNEABLE WHITE
Full support for DALI-2 DT8 has been provided which allows White colour control on a compliant DALI-2 control system. This function can be used to set a desired colour or to transition between colours depending on the time of day.	
CRI	>84
Lamp/LED Current	
EV-UMBRA-PRO-IP65-1200 EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-1200-EM-S-LK EV-UMBRA-PRO-IP65-1200-S	850 mA
EV-UMBRA-PRO-IP65-600 EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S EV-UMBRA-PRO-IP65-600-S	650 mA
Lamp/LED voltage	
EV-UMBRA-PRO-IP65-1200 EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-1200-EM-S-LK EV-UMBRA-PRO-IP65-1200-S	36 V
EV-UMBRA-PRO-IP65-600 EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S EV-UMBRA-PRO-IP65-600-S	24 V

LED LIFETIME	
LED Lifetime	>120000 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	43000 hrs	43000 hrs
L80B10	90000 hrs	90000 hrs
L70B10	>120000 hrs	>120000 hrs
L70B50	>120000 hrs	>120000 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	20000 hrs	

COLOUR TEMPERATURE	
CCT	3000K to 6500K
CCT Colour	Tunable White
System Lumens	
EV-UMBRA-PRO-IP65-1200 EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-1200-EM-S-LK EV-UMBRA-PRO-IP65-1200-S	>4100 lm
EV-UMBRA-PRO-IP65-600 EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S EV-UMBRA-PRO-IP65-600-S	>2000 lm

DRIVER	
Dimmable	Yes
Driver Included	Yes
Integrated Driver	No
Driver Type	
EV-UMBRA-PRO-IP65-1200 EV-UMBRA-PRO-IP65-1200-S EV-UMBRA-PRO-IP65-600 EV-UMBRA-PRO-IP65-600-S	DALI DT8 Dimmable
EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S	DALI DT1 and DT8 Dimmable
EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S-LK	Wireless (IEC62386-104) with DT1 & DT8 Dimmable

DALI DT8 ~ Includes DALI-2 Driver with full support for DT6 and DT8-tc allowing flicker free dimming and colour control with complaint DALI-2 Application controllers.
Wireless ~ Includes Wireless Driver with full support for DT6 and DT8-tc allowing flicker free dimming and colour control with complaint IEC62386-104 Application controllers.

Power Monitoring	DALI Device type 51 power monitoring
Inbuilt DALI-2 support for Device type 51 - Power monitoring for use with DALI-2 Complaint control systems which allows the reporting of the products total power consumption for power aggregation and measurements.	



Wiring Type	Re-wireable terminal block (6 pin)
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SENSOR (S SUFFIX)

Adjustable Detection Area / Sensitivity	Yes
Adjustable Hold Time	Yes
Adjustable Standby Level	Yes
Adjustable Standby Period	Yes
Corridor Function	Yes
Dawn Reset	No
Detection Range	10 m
Dusk Mode	No
Lux Adjustment	No
Manual Override	Yes
Sensor Communication	DALI 2
Inbuilt DALI-2 Sensor for use with DALI-2 Compliant control systems. Some features and functions are only available for use with DALI-2 Application controllers which support the features. This product also supports a standalone mode for limited use without a DALI-2 application controller.	
Sensor Type	Microwave
Switched Output	No
Time Delay	Via DALI mins

EMERGENCY (EM SUFFIX)

Replacement Battery Code	
EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-1200-EM-S-LK	01303
EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S	01302
Emergency Classification	
EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-1200-EM-S-LK	C0:D80, C90:D63
EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S	C0:D40, C90:D32
Emergency Control	
EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S	DALI Monitored (DT1)
EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S-LK	IEC62386-104 (Wireless DT1)

DALI Monitored ~ Supports Emergency test and monitoring over DALI (IEC62386) with full compliance to IEC62386-202.
IEC62386-104 ~ Supports wireless test and monitoring over IEC62386-104 using IEC62386-202.

Emergency Duration	90 mins
Emergency Mode	Maintained

COMPLIANCE

Product Design Life	100000 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/NZS 60598.2.1 AS CISPR 15 AS/NZS 61347.1 AS/NZS 61347.2.13 AS 60598.2.22 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

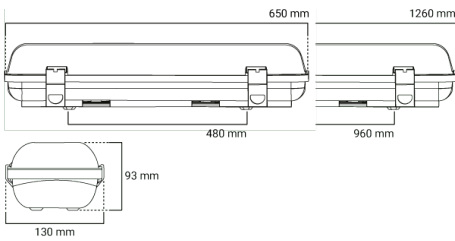
Product Height	93 mm
Product Length	
EV-UMBRA-PRO-IP65-1200 EV-UMBRA-PRO-IP65-1200-EM EV-UMBRA-PRO-IP65-1200-EM-LK EV-UMBRA-PRO-IP65-1200-EM-S EV-UMBRA-PRO-IP65-1200-EM-S-LK EV-UMBRA-PRO-IP65-1200-S	1260 mm
EV-UMBRA-PRO-IP65-600 EV-UMBRA-PRO-IP65-600-EM EV-UMBRA-PRO-IP65-600-EM-S EV-UMBRA-PRO-IP65-600-S	650 mm
Product Width	130 mm

ORDERING INFORMATION

ORDER CODE	ITEM CODE	DESCRIPTION
12615	EV-UMBRA-PRO-IP65-1200-EM-LK	Ektor Lynk Umbra 1200mm LED IP65 EM batten - PRO w/wireless
12617	EV-UMBRA-PRO-IP65-1200-EM-S-LK	Ektor Lynk Umbra 1200mm LED IP65 EM batten sensor-PROw/wireless
12095	EV-UMBRA-PRO-IP65-1200-EM-S	UMBRA PRO 1200mm Weatherproof LED Emergency batten with sensor
12093	EV-UMBRA-PRO-IP65-1200-EM	UMBRA PRO 1200mm Weatherproof LED Emergency batten
12094	EV-UMBRA-PRO-IP65-1200-S	UMBRA PRO 1200mm Weatherproof LED batten with sensor
12092	EV-UMBRA-PRO-IP65-1200	UMBRA PRO 1200mm Weatherproof LED batten
12091	EV-UMBRA-PRO-IP65-600-EM-S	UMBRA PRO 600mm Weatherproof LED Emergency batten with sensor
12089	EV-UMBRA-PRO-IP65-600-EM	UMBRA PRO 600mm Weatherproof LED Emergency batten
12090	EV-UMBRA-PRO-IP65-600-S	UMBRA PRO 600mm Weatherproof LED batten with sensor
12088	EV-UMBRA-PRO-IP65-600	UMBRA PRO 600mm Weatherproof LED batten

LINE DRAWINGS

EV/UMBRA/PRO/IP65



ACCESSORIES

ORDER CODE	ITEM CODE	DESCRIPTION
12404	CLIPS-AT9890-96/P	Plastic Clips (10) Kit for Wide Body WP Battens
11465	EV-SS316-WP-CLIPS	UMBRA vandal resist SS316 clips/screw/allen key- kit (10 pack)