



# QUADRO PROFESSIONAL

EV-QUADRO-PRO-EM-LK

Quadro Professional Bunker IP65, 3000-6500K, DALI

## FEATURES

- IP65 weatherproof rating and Vandal-proof IK08 rating
- Power monitoring (DT51)
- LED Lifetime >100,000 hours (L80/B20)
- 12 years design life at max. ambient
- DALI (IEC62386)
- Flicker-free dimming controlled by IEC 62386-102
- Power monitoring (DT51) reported over IEC 62386-252
- High Quality Lithium battery (LiFePO4) and smart charger
- Self-test (AS2293/IEC62034)
- Emergency models fully compliant (AS/NZS 2293.3)
- Soft-start charger to reduce building load on emergency models
- Wireless meshing system
- IEC 62386 over IEC 62386-104



## ORDERING INFORMATION

<b>Order code</b>	17938
<b>Description</b>	Ektor Lynk Quadro LED Emergency bunker IP65 w/wireless - PRO
<b>Driver Type</b>	Wireless (IEC62386-104) with DT1 & DT8 Dimmable
Wireless ~ Includes Wireless Driver with full support for DT6 and DT8-tc allowing flicker free dimming and colour control with compliant IEC62386-104 Application controllers.	
<b>Item Code</b>	EV-QUADRO-PRO-EM-LK

## MECHANICAL

<b>Body Material</b>	Polycarbonate
<b>Diffuser Material</b>	Polycarbonate
<b>IK Rating</b>	IK08
<b>Installation Type</b>	Surface mount
<b>IP Rating</b>	IP65

## ELECTRICAL

<b>Electrical Rating</b>	Class I
<b>Input Frequency</b>	50 Hz
<b>Input voltage</b>	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%	
<b>Maximum Wattage</b>	27 W
<b>Power Factor</b>	0.95
<b>Standby Power</b>	0.3 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>	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).	
<b>Working Temp Range</b>	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** 650 mA

**Lamp/LED voltage** 36 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

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 its 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** 20000 hrs

## COLOUR TEMPERATURE

**CCT** 3000 to 6500

**CCT Colour** Tunable White

**System Lumens** >3200 lm

All photometric data has a tolerance of ±10%.

## DRIVER

**Dimmable** Yes

**Driver Included** Yes

**Integrated Driver** No

**Driver Type** Wireless (IEC62386-104) with DT1 & DT8 Dimmable

Wireless ~ Includes Wireless Driver with full support for DT6 and DT8-tc allowing flicker free dimming and colour control with compliant 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 compliant 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)

## EMERGENCY (EM SUFFIX)

**Replacement Battery Code** 01302

**Emergency Classification** C0:D50, C90:D50

**Emergency Control** IEC62386-104 (Wireless DT1)

IEC62386-104 ~ Supports wireless test and monitoring over IEC62386-104 using IEC62386-202.

**Emergency Duration** 90 mins

**Emergency Mode** Maintained

## COMPLIANCE

**Product Design Life** 12 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.

**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** 5Y return to base on General lighting components  
8Y return to base on Emergency lighting components

## DIMENSIONS

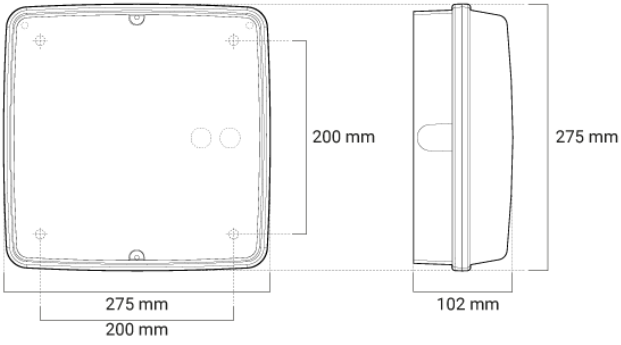
**Product Height** 102 mm

**Product Length** 275 mm

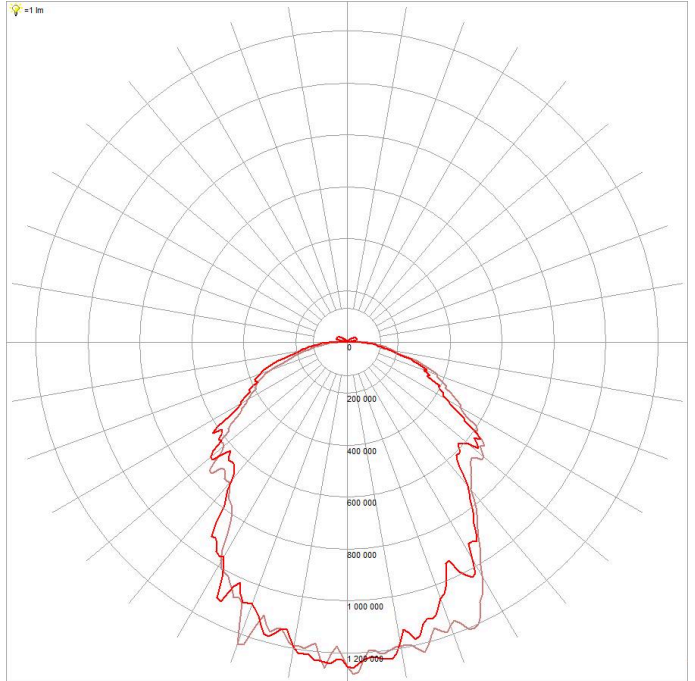
**Product Width** 275 mm

## LINE DRAWINGS

EV/QUADRO/PRO

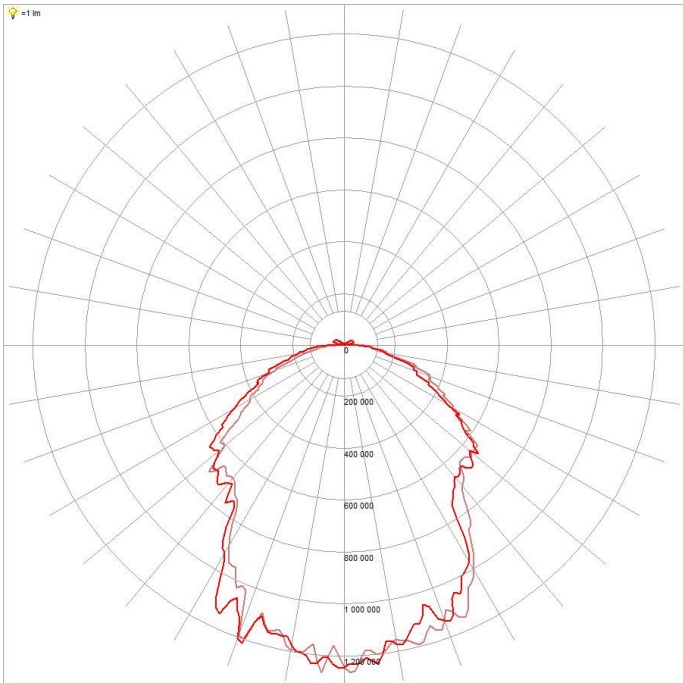


EV/QUADRO/PRO/6500K

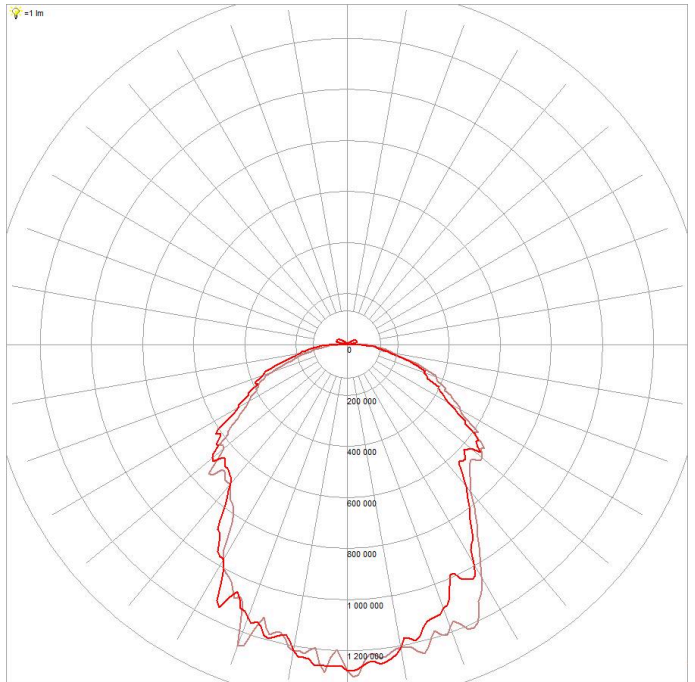


**PHOTOMETRICS**

EV/QUADRO/PRO/3000K



EV/QUADRO/PRO/5000K



EV/QUADRO/PRO/4000K

