EV-PEARL-PRO-LK

Pearl Professional Circular IP65, 3000-6500K, 450 mm - SER

II

FEATURES

- Vandal-proof IK08 rating
- IP65 weatherproof rating
- Power monitoring (DT51)
- Tuneable white (DT8-Tc) controlled by DALI
- Flicker-free dimming controlled by DALI
- LED Lifetime >120,000 hours
- 10 years design life at max. ambient
- DALI (IEC62386)
- IEC62386 over IEC62386-104
- Wireless monitoring via Ektor Lynk upgrade
- Wireless meshing system

ORDERING INFORMATION

Order code	18140
Description	Ektor Lynk Pearl Circular Pro - 25W IP65 Tuneable White w/wireless
Driver Type	Wireless (IEC62386-104) with 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.

Item Code	EV-PEARL-PRO-LK

MECHANICAL

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

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	25 W
Power Factor	0.95
Standby Power	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.

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	650 mA
Lamp/LED voltage	33 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 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	3000K to 6500K
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 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.

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

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)

COMPLIANCE

Product Design Life	10 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.

WARRANTY

Commercial Use Warranty	5 RTB (Total 5 Years)

DIMENSIONS

Product Diameter	450 mm
Product Height	135 mm

LINE DRAWINGS

EV/PEARL/EM/PRO/WP

Ø 450 mm   135 mm