



PEARL PROFESSIONAL IP65 - SER II

EV-PEARL-PRO-S-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
- 12 years design life at max. ambient
- DALI (IEC62386)
- IEC62386 over IEC62386-104
- Wireless monitoring via Ektor Lynk upgrade
- Microwave sensor suitable for DALI-2 supporting IEC 62386-303
- Wireless meshing system



ORDERING INFORMATION

| | |
|--|---|
| Order code | 18141 |
| Description | Ektor Lynk Pearl Circular Pro - 25W IP65 Tuneable White w/sensor 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-S-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 |
| 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

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|---|---------------|
| CCT | 3000 to 6500 |
| CCT Colour | Tunable White |
| System Lumens | >3200 lm |
| All photometric data has a tolerance of ±10%. | |

DRIVER

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|--------------------------|---|
| 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.

| | |
|-------------------------|--------------------------------------|
| 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.

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

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|---|-----------|
| 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 |

COMPLIANCE

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|---|--|
| 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/NZS 60598.2.2 AS/NZS 61347.1 AS/NZS 61347.2.13 AS CISPR 15 |

WARRANTY

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|--------------------------------|-----------------------|
| Commercial Use Warranty | 5 RTB (Total 5 Years) |
|--------------------------------|-----------------------|



DIMENSIONS

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| Product Diameter | 450 mm |
| Product Height | 135 mm |