

# EV-QUADRO-ADV

Quadro Advanced Bunker IP65, Tri-colour, Dual Power

## FEATURES

- IP65 weatherproof rating and vandal-proof IK08 rating
- 8 years design life at max. ambient
- Tri-colour selectable 3000K / 4000K / 6000K
- Emergency and non-emergency models
- Selectable power consumption: 20W or 12W



| MECHANICAL        |               |
|-------------------|---------------|
| Body Material     | Polycarbonate |
| Diffuser Material | Polycarbonate |
| 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% |            |
| System Max Wattage  | 20 W       |
| Working Temp Range  | 0 to 40 °C |

| LAMP                 |                        |
|----------------------|------------------------|
| Macadam Steps (SDCM) | 5-step MacAdam Ellipse |
| CRI                  | >80                    |
| Lamp/LED Current     | 460 mA                 |
| Lamp/LED voltage     | 36 V                   |
| System Efficiency    | 130 lm/W               |

| LED LIFETIME  |            |            |
|---|------------|------------|
| Ambient Temp (°C)   | 25 °C      | 40 °C      |
| L90B10  | 23000 hrs  | 21000 hrs  |
| L80B10  | 49000 hrs  | 42000 hrs  |
| L70B10  | >54000 hrs | >54000 hrs |
| L70B50  | >54000 hrs | >54000 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  | 9000 hrs   |            |

## COLOUR TEMPERATURE

### 9 Watts

|                   |         |
|-------------------|---------|
| Warm White (3000) | 1100 lm |
| Cool White (4000) | 1350 lm |
| DayLight (6000)   | 1300 lm |

### 18 Watts

|                   |         |
|-------------------|---------|
| Warm White (3000) | 2200 lm |
| Cool White (4000) | 2650 lm |
| DayLight (6000)   | 2600 lm |

## DRIVER

|                   |                                    |
|-------------------|------------------------------------|
| Dimmable          | No                                 |
| Driver Included   | Yes                                |
| Integrated Driver | No                                 |
| Driver Type       | Fixed output                       |
| Wiring Type       | Re-wireable terminal block (3 pin) |

## EMERGENCY (EM SUFFIX)

|                          |      |
|--------------------------|------|
| Replacement Battery Code | 1302 |
|--------------------------|------|

## COMPLIANCE

|                     |         |
|---------------------|---------|
| Product Design Life | 8 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<br>AS/NZS 60598.2.1<br>AS/NZS 61347.1<br>AS/NZS 61347.2.13<br>AS/NZS 61058.1<br>AS/NZS CISPR 15 |
|-----------|--|

## WARRANTY

|                         |                       |
|-------------------------|-----------------------|
| Commercial Use Warranty | 3 RTB (Total 3 Years) |
|-------------------------|-----------------------|

## DIMENSIONS

|                |        |
|----------------|--------|
| Product Height | 102 mm |
| Product Length | 275 mm |
| Product Width  | 275 mm |

## ORDERING INFORMATION

|             |                              |
|-------------|------------------------------|
| Order code  | 14520                        |
| Description | Ektor Quadro LED bunker IP65 |
| Item Code   | EV-QUADRO-ADV                |

## LINE DRAWINGS

### EV/QUADRO/ADV

