

UMBRA CORE IP65

Core IP65 Weatherproof Batten, Dual Power, Tri-CCT

FEATURES

- Tri-colour selection
- Selectable output power
- Increased ambient temperature of 40 degrees
- IP65 weatherproof rating and IK08 impact rating
- High efficiency design >130lm/W
- Excellent LED lifetime for energy efficient lighting designs



| ORDERING INFORMATION | |
|----------------------|--|
| Order code | 12138 |
| Description | UMBRA CORE 1200mm LED Batten - Tri CCT |
| Driver Power | 40 W |
| Driver Type | Fixed output |
| Item Code | EV-UMBRA-CORE-IP65-1200-TRI |

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

| ELECTRICAL | |
|---|---------|
| Electrical Rating | Class I |
| Input Current | 0.16 A |
| 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 | 32 W |
| Power Factor | 0.95 |
| Switch Type | Inline |

| | |
|--------------------|------------|
| Working Temp Range | 0 to 40 °C |
|--------------------|------------|

| LAMP | |
|----------------------|------------------------|
| Macadam Steps (SDCM) | 6-step MacAdam Ellipse |
| CCT Configuration | TRI-CCT |
| CRI | >80 |
| Lamp/LED Current | 300 mA |
| Lamp/LED voltage | 99 V |
| System Efficiency | 134 lm/W |

| LED LIFETIME | |
|---|------------|
| LED Lifetime | >72000 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. | |
| TM-21 Test Hours | 12000 hrs |

| COLOUR TEMPERATURE | |
|--|---------|
| CCT | 4000 K |
| LED Wattage | 32 W |
| Luminaire Lumens | 4080 lm |
| All photometric data has a tolerance of ±10%. Luminaire lumens refers to the exit lumens or delivered lumens from the luminaire. | |

DRIVER

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

COMPLIANCE

Product Design Life 6 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.

Daily Use 12 hrs

The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.

Standards AS/NZS 60598.1
AS/NZS 60598.2.1
AS CISPR 15
AS/NZS 61347.1
AS/NZS 61347.2.13

WARRANTY

Commercial Use Warranty 5Y return to base on General lighting components
First 2Y includes an exclusive onsite warranty

Warranty Operating Hours 15000 hrs

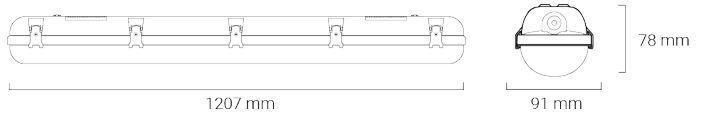
This product is provided with a warranty up until the stated warranty period or until the stated warranty operating hours has been reached (whichever occurs first).

DIMENSIONS

| | |
|-----------------------|---------|
| Product Height | 78 mm |
| Product Length | 1207 mm |
| Product Width | 91 mm |

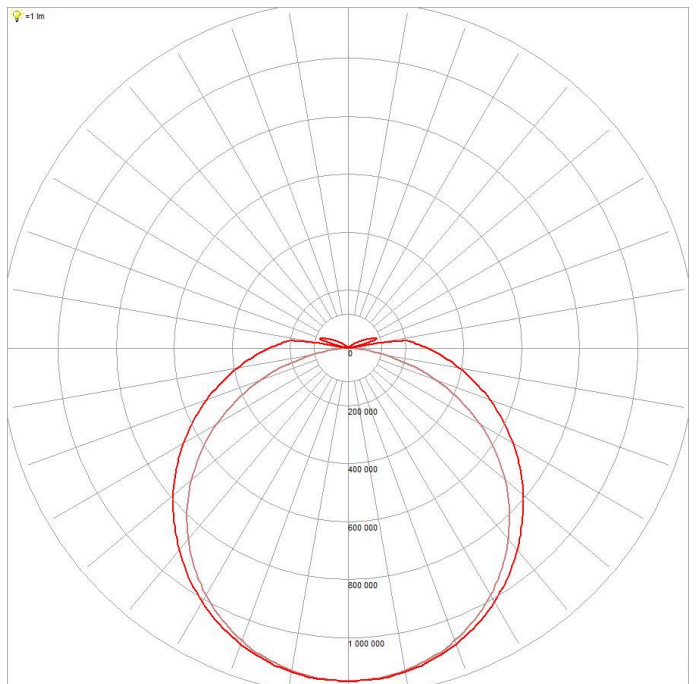
LINE DRAWINGS

EV/UMBRA/CORE/IP65/1200/EM/TRI

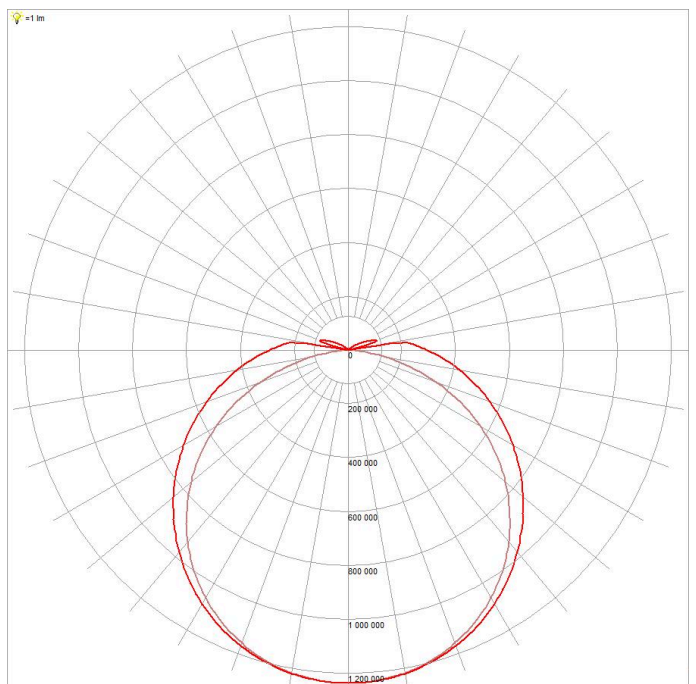


PHOTOMETRICS

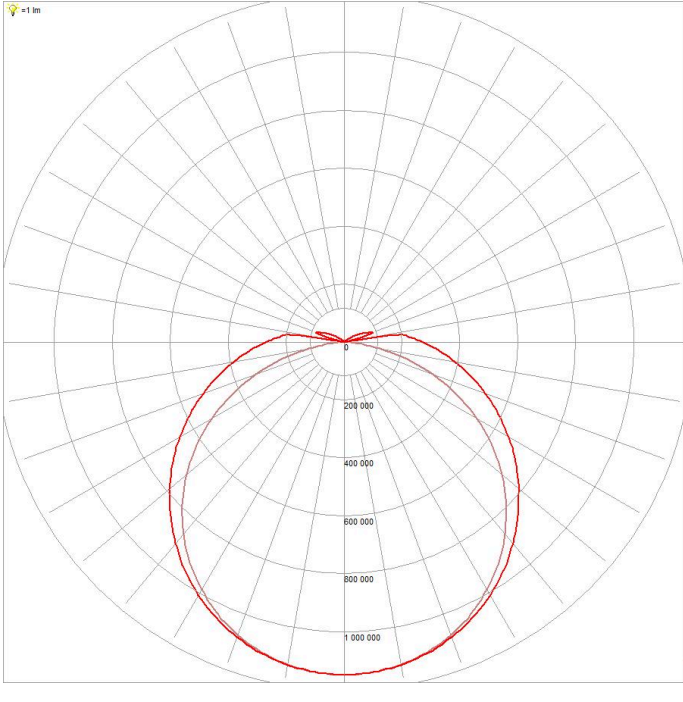
EV/UMBRA/CORE/IP65/1200/4000K



EV/UMBRA/CORE/IP65/1200/5000K



EV/UMBRA/CORE/IP65/1200/6500K





UMBRA CORE IP65

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- Selectable output power
- Increased ambient temperature of 40 degrees
- IP65 weatherproof rating and IK08 impact rating
- High efficiency design >130lm/W
- Excellent LED lifetime for energy efficient lighting designs

| ORDERING INFORMATION | |
|----------------------|---------------------------------------|
| Order code | 12137 |
| Description | UMBRA CORE 600mm LED Batten - Tri CCT |
| Driver Power | 18 W |
| Driver Type | Fixed output |
| Item Code | EV-UMBRA-CORE-IP65-600-TRI |

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

| ELECTRICAL | |
|---|------------|
| Electrical Rating | Class I |
| Input Current | 0.09 A |
| 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 | 19 W |
| Power Factor | 0.95 |
| Switch Type | Inline |
| Working Temp Range | 0 to 40 °C |

| LAMP | |
|----------------------|------------------------|
| Macadam Steps (SDCM) | 6-step MacAdam Ellipse |
| CCT Configuration | TRI-CCT |
| CRI | >80 |
| Lamp/LED Current | 350 mA |
| Lamp/LED voltage | 44 V |
| System Efficiency | 126 lm/W |

| LED LIFETIME | | |
|---|------------|------------|
| LED Lifetime | >72000 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 | 39000 hrs | 39000 hrs |
| L80B10 | >72000 hrs | >72000 hrs |
| L70B10 | >72000 hrs | >72000 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 | 12000 hrs | |



COLOUR TEMPERATURE

| | |
|------------------|---------|
| CCT | 4000 K |
| LED Wattage | 17 W |
| Luminaire Lumens | 2035 lm |

All photometric data has a tolerance of $\pm 10\%$. Luminaire lumens refers to the exit lumens or delivered lumens from the luminaire.

DRIVER

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

COMPLIANCE

| | |
|---------------------|---------|
| Product Design Life | 6 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.

| | |
|-----------|--------|
| Daily Use | 12 hrs |
|-----------|--------|

The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.

| | |
|-----------|--|
| Standards | AS/NZS 60598.1 AS/NZS 60598.2.1 AS CISPR 15 AS/NZS 61347.1 AS/NZS 61347.2.13 |
|-----------|--|

WARRANTY

| | |
|-------------------------|--|
| Commercial Use Warranty | 5Y return to base on General lighting components First 2Y includes an exclusive onsite warranty |
|-------------------------|--|

| | |
|--------------------------|-----------|
| Warranty Operating Hours | 15000 hrs |
|--------------------------|-----------|

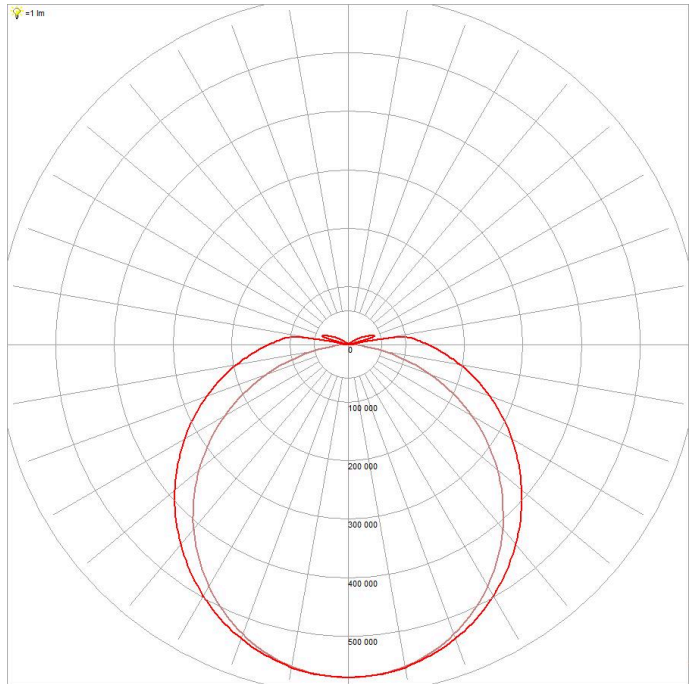
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DIMENSIONS

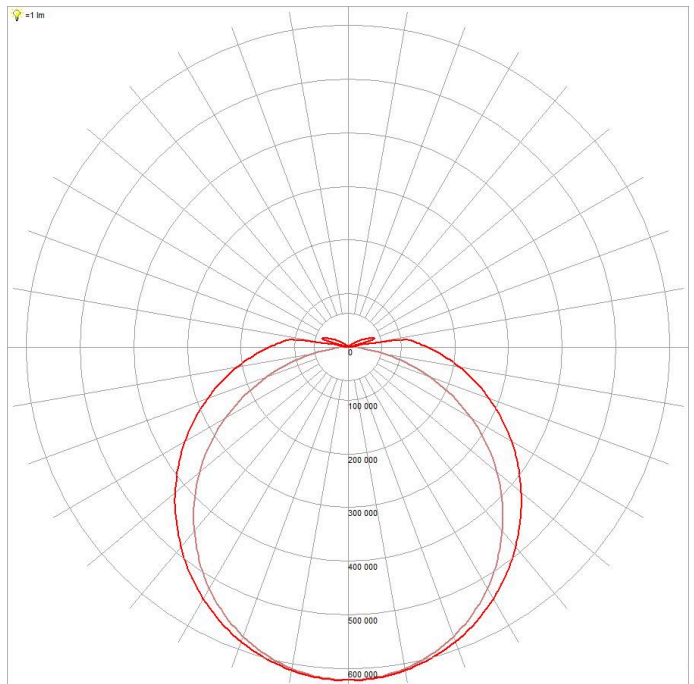
| | |
|----------------|--------|
| Product Height | 78 mm |
| Product Length | 607 mm |
| Product Width | 91 mm |

PHOTOMETRICS

EV/UMBRA/CORE/IP65/600/6500K



EV/UMBRA/CORE/IP65/600/5000K



EV/UMBRA/CORE/IP65/600/4000K

