

## Trion 60

### TECHNOLOGY



#### Split & Seal

Uses protective polymers to shield Filix products from water and moisture, boosting durability and resilience.



#### Flow Sense

A built-in protector against power-related issues, ensuring lasting performance and safety



#### Heat Sense

Automatically reduces LED power at high temperatures, ensuring longevity and safety in Filix products.



#### Quick fit

Provides instant and secure wiring and connections housed in an IP66-rated enclosure for robust protection against dust and water.



#### Qualicoat Seaside Class Powder

##### Coat

Enhanced powder coating for aluminum, specifically formulated for superior durability and optimal performance in marine environments, lasting for over 10 years.



## Trion 60

Specification Sheet



UL STD 1598 (Pending)  
IP66

### LUMINAIRE FEATURES

#### Design and Application

- Pole-mounted projector
- For facades, landscapes and urban environments

#### Mechanical details

- IK08 crystal-clear tempered glass, 4 mm (0.15") thick
- IP66 protected against powerful water jets
- 3G vibration rating resistance (ANSI C136.32)
- Die-Cast aluminium body
- Double surface protected with anodised base layer and powder coat top layer in Qualicoat Seaside standard
- EPA (Effective Projected Area) 0.037
- Surface Installation

#### Electrical details

- LED Lifetime TM-21 @ 105°C  
L80(24K) = 145,000 hours
- Operating temperature -20°C (-4°F) to +50°C (122°F)
- CRI >85
- 3 step MacAdam
- Remote power supply
- Low voltage operation
- Class III product

#### Controls

- DALI

#### Sustainability

- Recyclable material
- Repairable
- Dark Sky compliant

#### Integrated Systems

- Split & Seal
- Heat Sense
- Flow Sense
- Quick fit

#### Links & Downloads

- [Fixture installation manual](#)
- [CAD files](#)
- [IES-LTD data](#)



## Trion 60

### ORDERING INFORMATION

|                                  |                      |                                                                   |                                  |                               |                                          |
|----------------------------------|----------------------|-------------------------------------------------------------------|----------------------------------|-------------------------------|------------------------------------------|
| <input checked="" type="radio"/> | <b>MODEL</b>         |                                                                   | <input checked="" type="radio"/> | <b>FINISH</b>                 |                                          |
| <input checked="" type="radio"/> | <b>TR06</b>          |                                                                   | <input checked="" type="radio"/> | <b>W</b>                      | • W - RAL9003 Structure (Signal White)   |
| <input type="radio"/>            | <b>POWER</b>         |                                                                   | <input checked="" type="radio"/> | <b>S</b>                      | • S - RAL7044 Structure (Silky Grey)     |
| <input type="radio"/>            | <b>L</b>             | • L - 10W, Amber/2700/3000, 1000 lm<br>• L - 10W, TW (2200-4000K) | <input checked="" type="radio"/> | <b>A</b>                      | • A - RAL7016 Structure (Antracite Grey) |
| <input type="radio"/>            | <b>COLOR TEMP.</b>   |                                                                   | <input checked="" type="radio"/> | <b>B</b>                      | • B - RAL9005 Structure (Jet Black)      |
| <input type="radio"/>            | <b>AM</b>            | • AM - Amber                                                      | <input checked="" type="radio"/> | <b>D</b>                      | • D - RAL 1015 Structure (Desert Sand)   |
| <input type="radio"/>            | <b>27</b>            | • 27 - 2700K                                                      | <input checked="" type="radio"/> | <b>G</b>                      | • G - RAL 6002 Structure (Leaf Green)    |
| <input type="radio"/>            | <b>30</b>            | • 30 - 3000K                                                      | <input type="radio"/>            | <b>INTERNAL LIGHT CONTROL</b> |                                          |
| <input type="radio"/>            | <b>T6</b>            | • T6 - Tuneable white 2200K-4000K                                 | <input checked="" type="radio"/> | <b>0</b>                      | • 0 - No internal light control          |
| <input type="radio"/>            | <b>OPTICS</b>        |                                                                   | <input checked="" type="radio"/> | <b>1</b>                      | • 1 - Microlouvre                        |
| <input type="radio"/>            | <b>SP</b>            | • SP - Narrow Spot (8°X8°)                                        | <input checked="" type="radio"/> | <b>2</b>                      | • 2 - Hex louvre                         |
| <input type="radio"/>            | <b>MS</b>            | • MS - Medium Spot (15°X15°)                                      | <input checked="" type="radio"/> | <b>3</b>                      | • 3 - Discrete sight                     |
| <input type="radio"/>            | <b>NF</b>            | • NF - Narrow Flood (30°x30°)                                     | <input checked="" type="radio"/> | <b>4</b>                      | • 4 - Half moon                          |
| <input type="radio"/>            | <b>MF</b>            | • MF - Medium Flood (40°x40°)                                     | <input checked="" type="radio"/> | <b>5</b>                      | • 5 - Honeymoon                          |
| <input type="radio"/>            | <b>WD</b>            | • WD - Wide (60°x60°)                                             | <input type="radio"/>            | <b>EXTERNAL LIGHT CONTROL</b> |                                          |
| <input type="radio"/>            | <b>SY</b>            | • SY - Spot Elliptical (10°x20°)                                  | <input checked="" type="radio"/> | <b>0</b>                      | • 0 - No external light control          |
| <input type="radio"/>            | <b>NY</b>            | • NY - Narrow Elliptical (10°x40°)                                | <input checked="" type="radio"/> | <b>1</b>                      | • 1 - Snoot                              |
| <input type="radio"/>            | <b>MY</b>            | • MY - Medium Elliptical (10°x60°).                               | <input type="radio"/>            | <b>INSTALLATION TYPE</b>      |                                          |
| <input type="radio"/>            | <b>INPUT OPTIONS</b> |                                                                   | <input checked="" type="radio"/> | <b>H</b>                      | • H - Tria S Pole                        |
| <input type="radio"/>            | <b>24</b>            | • 24 - 24VDC                                                      | <input checked="" type="radio"/> | <b>I</b>                      | • I - Tria M Pole                        |
| <input type="radio"/>            | <b>CONTROL</b>       |                                                                   | <input type="radio"/>            | <b>CABLE LENGTH OPTION</b>    |                                          |
| <input type="radio"/>            | <b>D</b>             | • D - DALI Operation                                              | <input checked="" type="radio"/> | <b>QC</b>                     | • QC -Standard Quick Connect Option      |

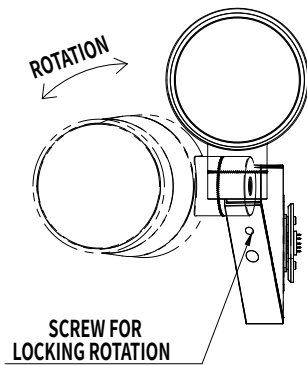


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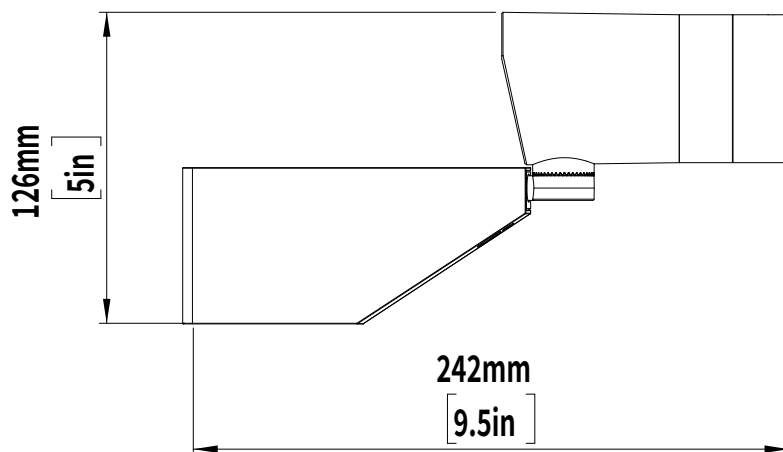
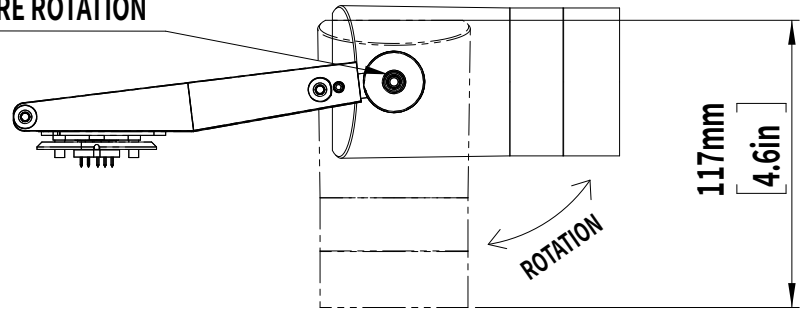
### INSTALLATION DETAILS

#### Fixture

Die-cast aluminium projector for façade, architectural, landscape, and accent lighting, engineered for demanding outdoor conditions with IK08 crystal-clear tempered glass, IP66 protection, and 3G vibration resistance. The housing is double-protected (anodised base layer + Qualicoat Seaside powder coat) and supported by integrated Split & Seal moisture protection, Heat Sense thermal regulation, Flow Sense monitoring, Quick Fit wiring/connection enclosure, and power protection for reliable long-term performance. Runs on a remote power supply (Class III) and supports DALI control.

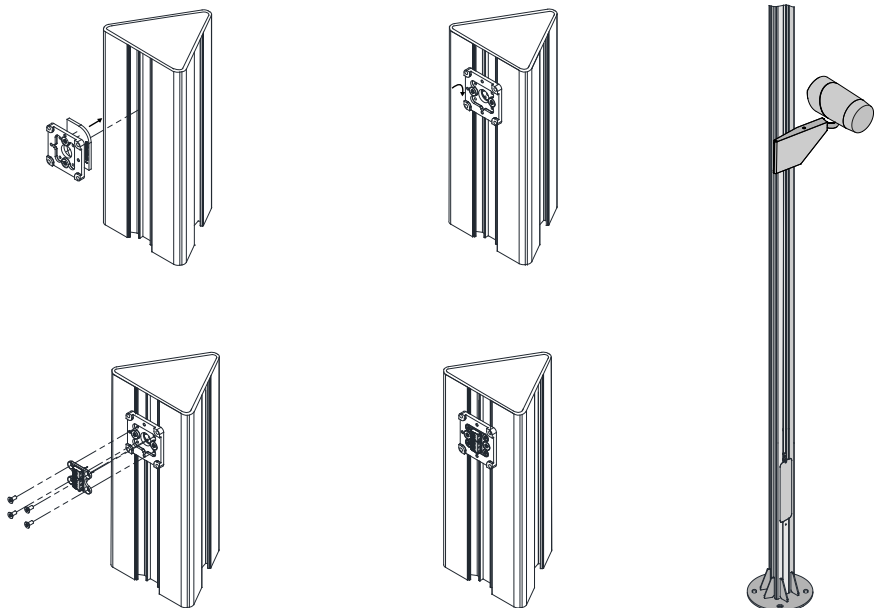


#### SCREW FOR LOCKING FIXTURE ROTATION



#### Quick Fit Installation

Designed for efficiency and flexibility, the system includes an IP66-rated instant wiring and connection method and is compatible with control protocols. Its streamlined installation process ensures quick deployment, while secure connections enhance reliability. The modular design makes it easy to expand with additional fixtures or adjust fixture positions as needed.



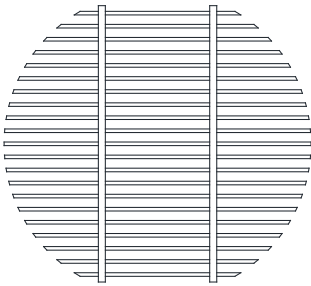


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### INTERNAL LIGHT CONTROL

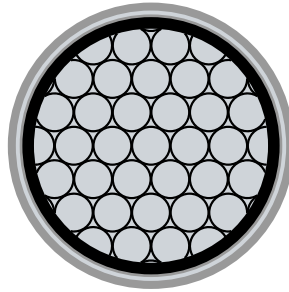
#### Microlouvre

Provides low glare control with 30% less lumen output than product without louvres. Best for use where pedestrians are at least 6m (20ft) from the light source.



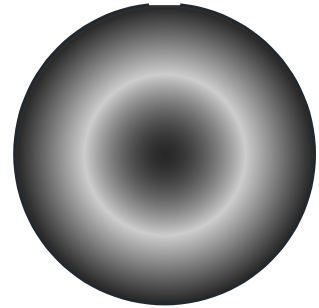
#### Hex louvre

Provides low glare control with 45% less lumen output than product without louvres. Best for use when there is no need for segment beam cut off such as in half moon.



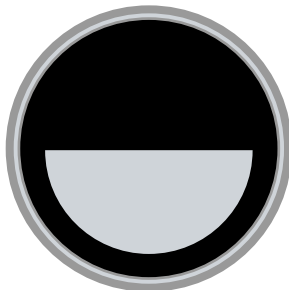
#### Discrete sight

Provides low glare control with 60% less lumen output than product without louvres. Best for use in high traffic areas where pedestrians are at least 0,5m (1,64ft) away from the source.



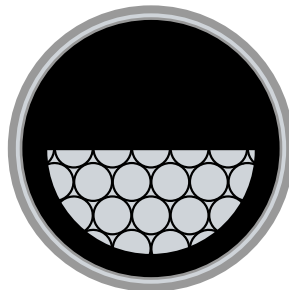
#### Halfmoon

Provides glare control by reducing lumen output and implementing a light beam cut-off, resulting in a 50% reduction in stray light and minimized light dispersion in undesirable directions.



#### Honeymoon

Combines the benefits of Hex Louvre and Halfmoon, offering both reduced glare and controlled light dispersion for comprehensive glare management.



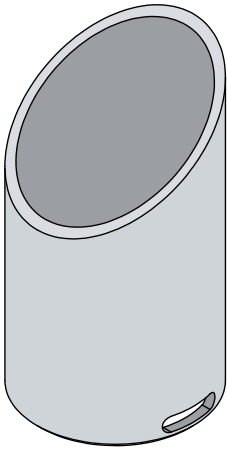


## Trion 60

### EXTERNAL LIGHT CONTROL

#### Snoot

External attachment providing enhanced glare control, effectively shielding the light source to reduce direct glare and prevent light spill in unwanted directions.





## Control

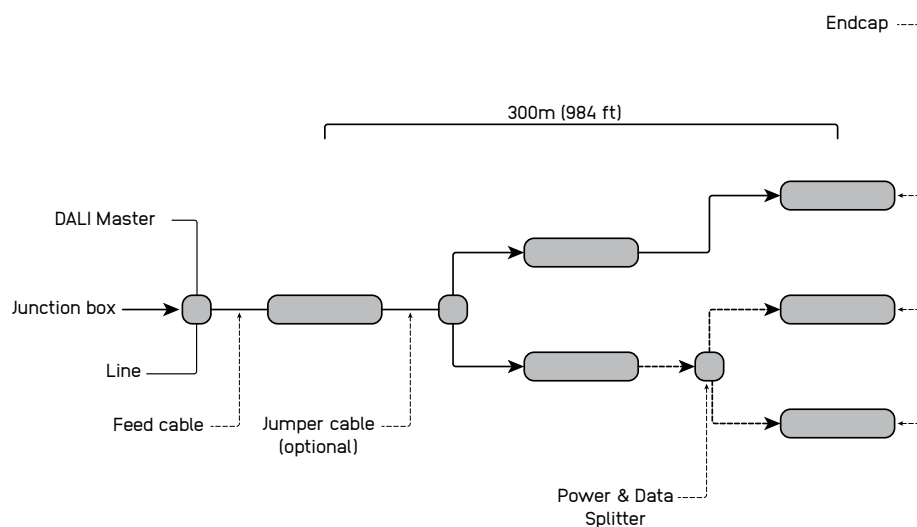
### DALI SYSTEM TOPOLOGY

#### System components

- The DALI system, wiring, protective devices and junction boxes leading up to feed cable at the start of the line are the responsibility of others
- Feed cables and necessary accessories that are marked as mandatory must be ordered separately
- For optional branching of the system Power & Data Splitter must be used
- Advised protective components:
  - Surge protector device
  - Inrush current limiter

#### System topology

- In the system design, any of the following system topologies can be utilized: line wiring, star wiring, or tree wiring.



#### Addressing & dimming notes

- DALI protocol allows addressing devices individually
- Addressing methods include a short address for individual devices, group addresses for up to 16 groups, and a broadcast address that targets everything on the line.
- Logarithmic and linear dimming options available. the product is initially equipped with logarithmic dimming settings, while you can easily switch to logarithmic dimming using a configuration device.
- 0%-100% dimming range

#### Segment length and limitations

- The minimum segment length is equal to one product
- A DALI master has the capacity to manage a line containing a maximum of 64 devices. Each device can be allocated to 16 unique groups and 16 individual scenes.
- The maximum distance between two fittings is 30 meters [98ft] , and the maximum distance between the first and last fitting is 300m [984ft].
- Used in single colour and tunable white applications

#### Fault tolerance

- Due to its relatively slow operating speed and high bus voltage, the DALI system exhibits significant reliability in the presence of electrical interference, making shielding unnecessary
- If one product fails the rest of the system continues to work