



Surge Protection

For comprehensive protection of a luminaire against electrical surges, surge protection shall be installed on the mains supply where required to protect luminaires and drivers from transient voltage damage.

For warranty information visit [unios.com/warranty](https://unios.com/warranty)

Please read these installation instructions carefully before installing this luminaire. This product must be installed and maintained by a suitably qualified person/s in compliance with the latest applicable regulations and relevant legislation.

Unios does not warrant any claim based on defects or damage caused by misuse, improper installation, improper operation and/or modifications carried out by the purchaser or third parties. This luminaire will not be used as a 'Working light' during construction. This will result in the warranty of the luminaire to be void. For warranty duration, please refer to the data sheet.

Cleaning

Always clean carefully using a soft cloth and a ph-neutral, alcohol-free, non-abrasive cleaning cloth. Clean & Maintain the finish twice a year to avoid rust, oxidation or limescale deposits. If this entire surface is not cleaned correctly, the finish may become uneven.

Do not use abrasive pads, discs, sandpaper and/or high pressure hose/gun to clean the luminaire.

Disposal

Ensure correct disposal of this product (waste electrical and electronic equipment)



ION S Recessed Spotlight  
Installation Instructions

[unios.com/ionsrecessedims](https://unios.com/ionsrecessedims)



ION S Surface Mounted Spotlight  
Installation Instructions

[unios.com/ionssmims](https://unios.com/ionssmims)



ION S

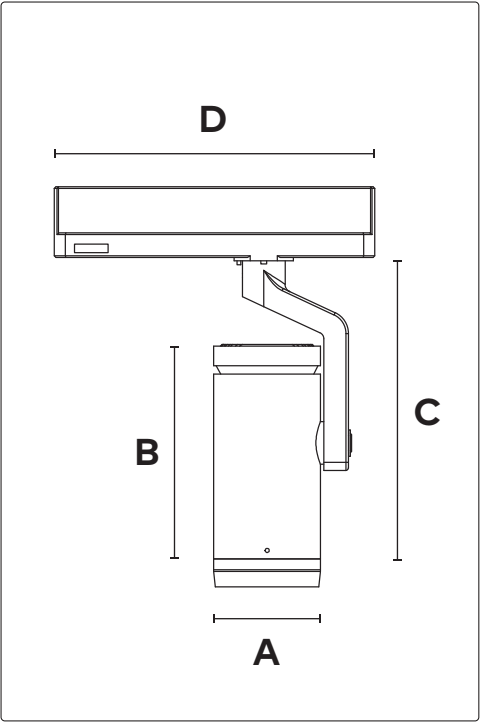
TRACK LIGHT

| Base Codes                          | Mini<br>IONSN303      | Small<br>IONSS308 | Medium<br>IONSM318      | Large<br>IONSL332      | IP20                |  |  |
|-------------------------------------|-----------------------|-------------------|-------------------------|------------------------|---------------------|--|--|
| Input Voltage<br>220–240V ~ 50/60Hz | Material<br>Aluminium |                   | Operating Temp<br><25°C | Install Person/s<br>1x | Power<br>3-32 Watts |  |  |



CAUTION – This product must be installed by a qualified installer

Please read instruction manual carefully before installing luminaire



Sizing Variations

| Product Code | A   | B   | C   | D   |
|--------------|-----|-----|-----|-----|
| IONSN303     | Ø35 | 67  | 80  | 151 |
| IONSS308     | Ø50 | 125 | 170 | 195 |
| IONSM318     | Ø65 | 148 | 199 | 195 |
| IONSL332     | Ø85 | 160 | 211 | 195 |

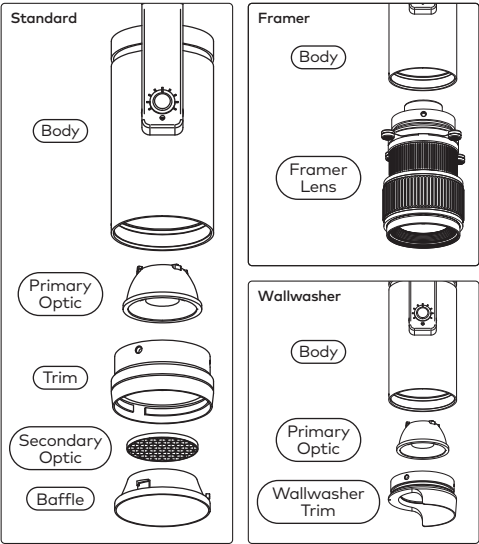
All measurements are in millimetres.



Additional Accessories



Product Assembly

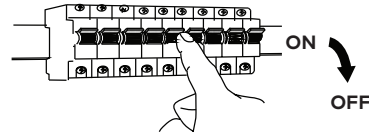


## Product Installation

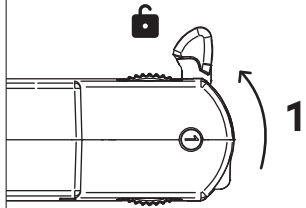
### CAUTION

**Switch off main electrical power prior to installing and powering this luminaire.**

*Do not open luminaire whilst the main electrical power is active.*

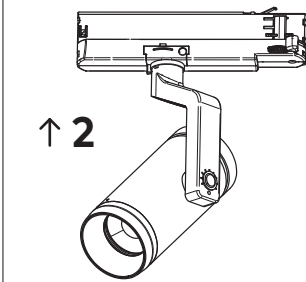


#### Unlocked



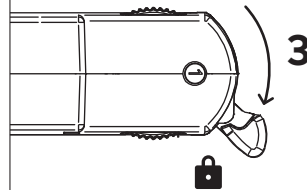
Ensure track toggle is unlocked

↑ 2



Insert luminaire into a suitable MX Track (MX3 3C Track or MX5 3C DALI Track)

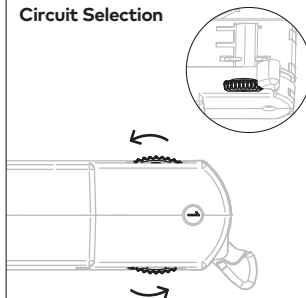
#### Locked



Switch track toggle to the locked position to lock luminaire in place

## Product Adjustments

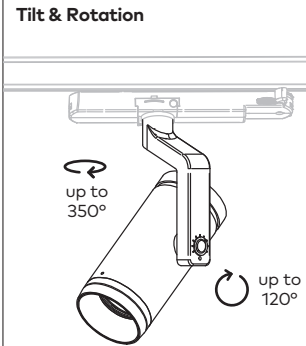
#### Circuit Selection



Sequence: ③ - Off - ① - Off - ②

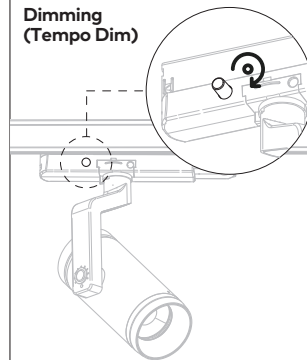
Rotate dial to select desired track/circuit

#### Tilt & Rotation



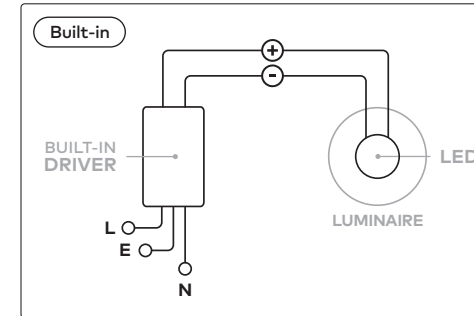
Tilt and rotate product as desired

#### Dimming (Tempo Dim)



Rotate dimming knob to adjust output

## Wiring



## Dimming

Standard models are phase-cut dimmable. Unios recommends a phase-cut dimmer optimised for LED technology. DALI compatible drivers are also available.

*If paired with Tempo Dim model, MX circuit must not be paired with a phase-cut dimmer. For full list of compatible drivers, see unios.com*

## Track Compatibility

| Track Adaptor                 | MX1 | MX3 | MX5 |
|-------------------------------|-----|-----|-----|
| Single Circuit (Phase-Cut)    | ●   | ○   | ○   |
| Three Circuit (Phase-Cut)     | ○   | ●   | ○   |
| Three Circuit (DALI)          | ○   | ○   | ●   |
| BasicDIM Wireless (Bluetooth) | ○   | ●   | ●   |

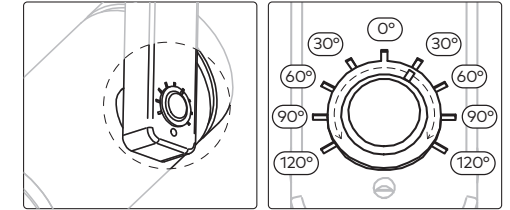
Refer to the MX Track Instruction Manual Sheet for track wiring.

## Luminaire Compatibility

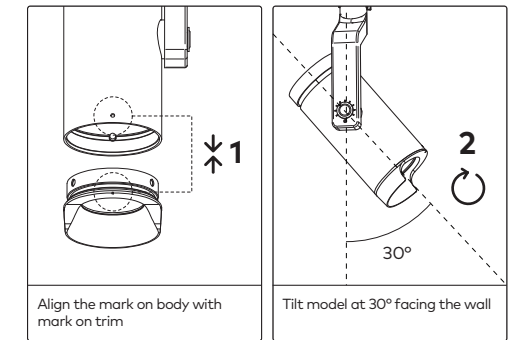
| Product Code | Output Power | Driving Current | Forward Voltage |
|--------------|--------------|-----------------|-----------------|
| IONSX03      | 3W           | 1000mA          | 2.5-3.2V        |
| IONSSX08     | 8W           | 200mA           | 32-38V          |
| IONSMX13     | 13W          | 350mA           |                 |
| IONSMX18     | 18W          | 500mA           |                 |
| IONSLX25     | 25W          | 700mA           |                 |
| IONSMX32     | 32W          | 900mA           |                 |

## Tilting Guide

The inner notch of dial located on the arm indicates current tilt angle. Use diagram below for reference.



## Wallwasher Assembly



## Spacing Recommendation

Applies for wallwasher models intended for wallwashing.

