SOLARIS®

# URBAN LUX

# INSTALLATION MANUAL

# Safety Information

Read the following installation instructions carefully before installing, powering, or operating the device.

## WARNING!

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED

## ATTENTION!

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS

IP67

"SUITABLE FOR WET LOCATIONS"
"CONVIENTAUX EMPLACEMENTS MOUILLÉS"

CE

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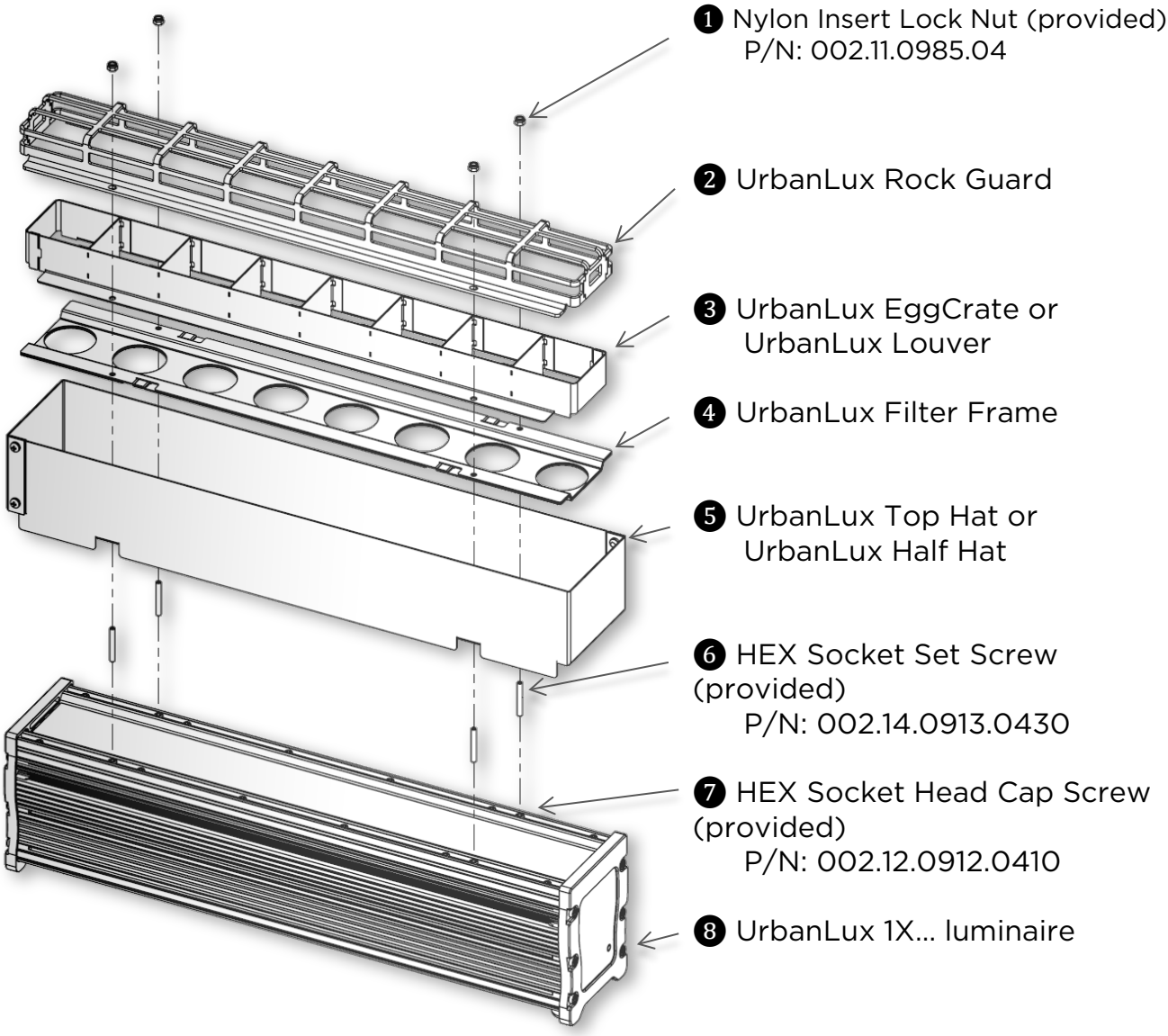
# Accessory Information

## Stacking order




Remove all ❼ using 3 mm HEX tool before adding accessories.

Accessories can be installed individually or in various combinations

Any accessory configuration should be secured with all ❶ and ❻ using 2 mm HEX tool and 7 mm wrench (customer supplied).
Torque specification: 2.2 Nm – 2.8 Nm

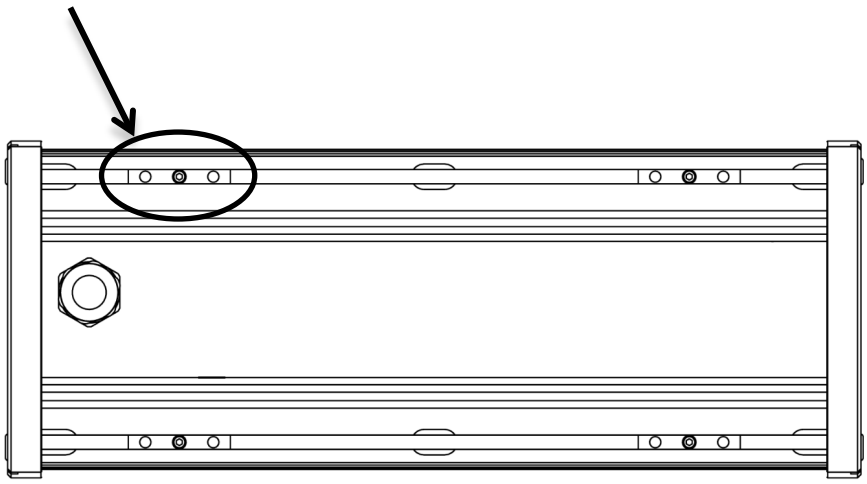
# Mounting Information

## Mounting combinations

| | | |
|---|---|---|
| **Fixed Mount 180deg**<br>**Fixed Mount 90deg**<br>**Universal Adjustable Mount** | → **Can be used separately or together with** → | **6" Wall Mount**<br>**12" Wall Mount** |
| **Adjustable Yoke 1x4**<br>**Adjustable Yoke 1x8**<br>**Adjustable Yoke 1x16** | → **Can be used separately or together with** → | **2'' Pole Adapter**<br>**4'' Pole Adapter** |

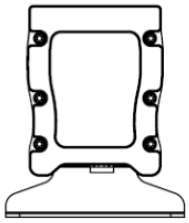
## Mounting attachment

Any mounting type must be attached to luminaire with HEX Fixing Screws (M4) provided in the mounting kit using 3 mm HEX tool (customer supplied). Torque specification: 2.2 Nm – 2.8 Nm



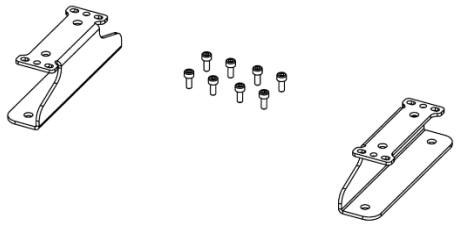
BACK side of luminaire

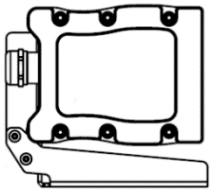
## Mounting types A



### Fixed Mount 180deg

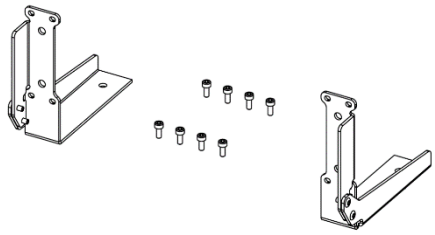
**Included in the kit:**
2x Mounting part
8x Fixing Screw (M4)

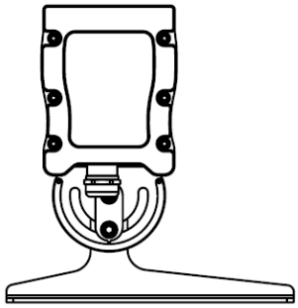




### Fixed Mount 90deg

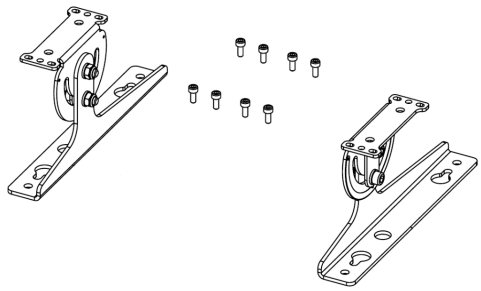
**Included in the kit:**
2x Mounting part
8x Fixing Screw (M4)



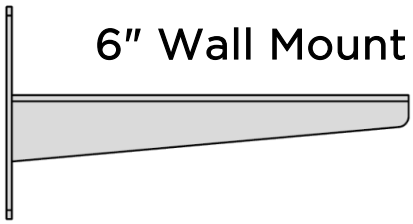


### Universal Adjustable Mount

**Included in the kit:**
2x Mounting part
8x Fixing Screw (M4)

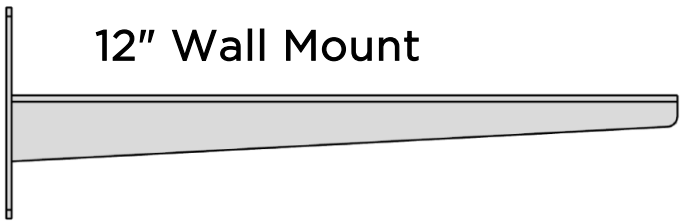


## Can be combined with

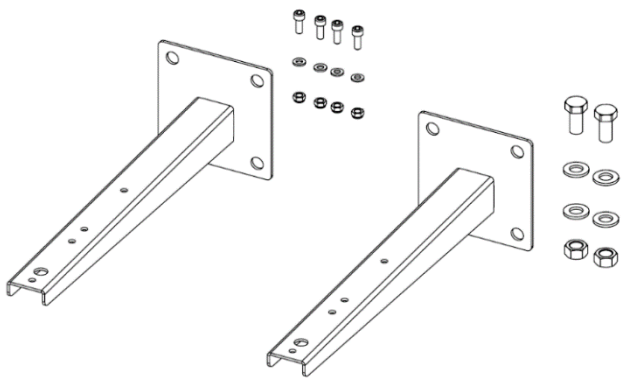


### 6″ Wall Mount

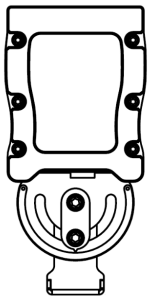
**Included in the kit:**
2x Mounting part
4x Fixing Screw, washer, and nut (M6)
2x Fixing Screw, washer, and nut (M12)



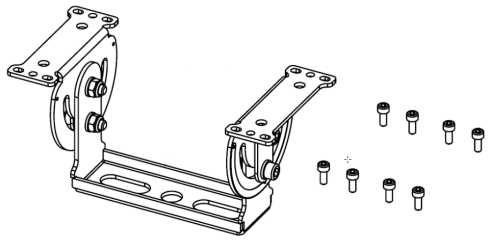
### 12″ Wall Mount



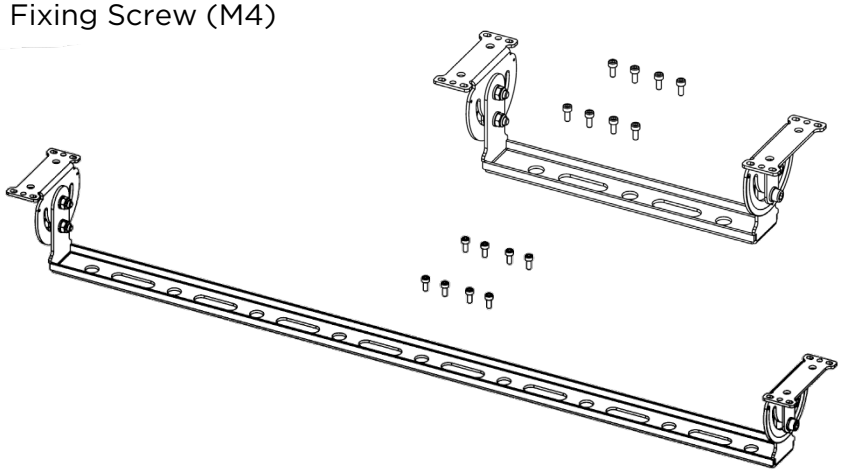
## Mounting types B



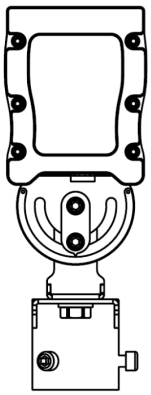
### Adjustable Yoke 1x4
### Adjustable Yoke 1x8
### Adjustable Yoke 1x16



**Included in the kit:**
1x Mounting part
8x Fixing Screw (M4)

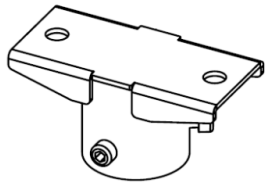


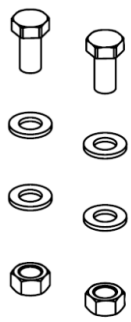
## Can be combined with



### 2″ Pole Adapter
### 4″ Pole Adapter

**Included in the kit:**
1x Mounting part
2x Fixing Screw, washers, and nut (M12)





SOLARIS URBANLUX INSTALLATION INSTRUCTIONS

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**FOR INDOOR USE ONLY!**

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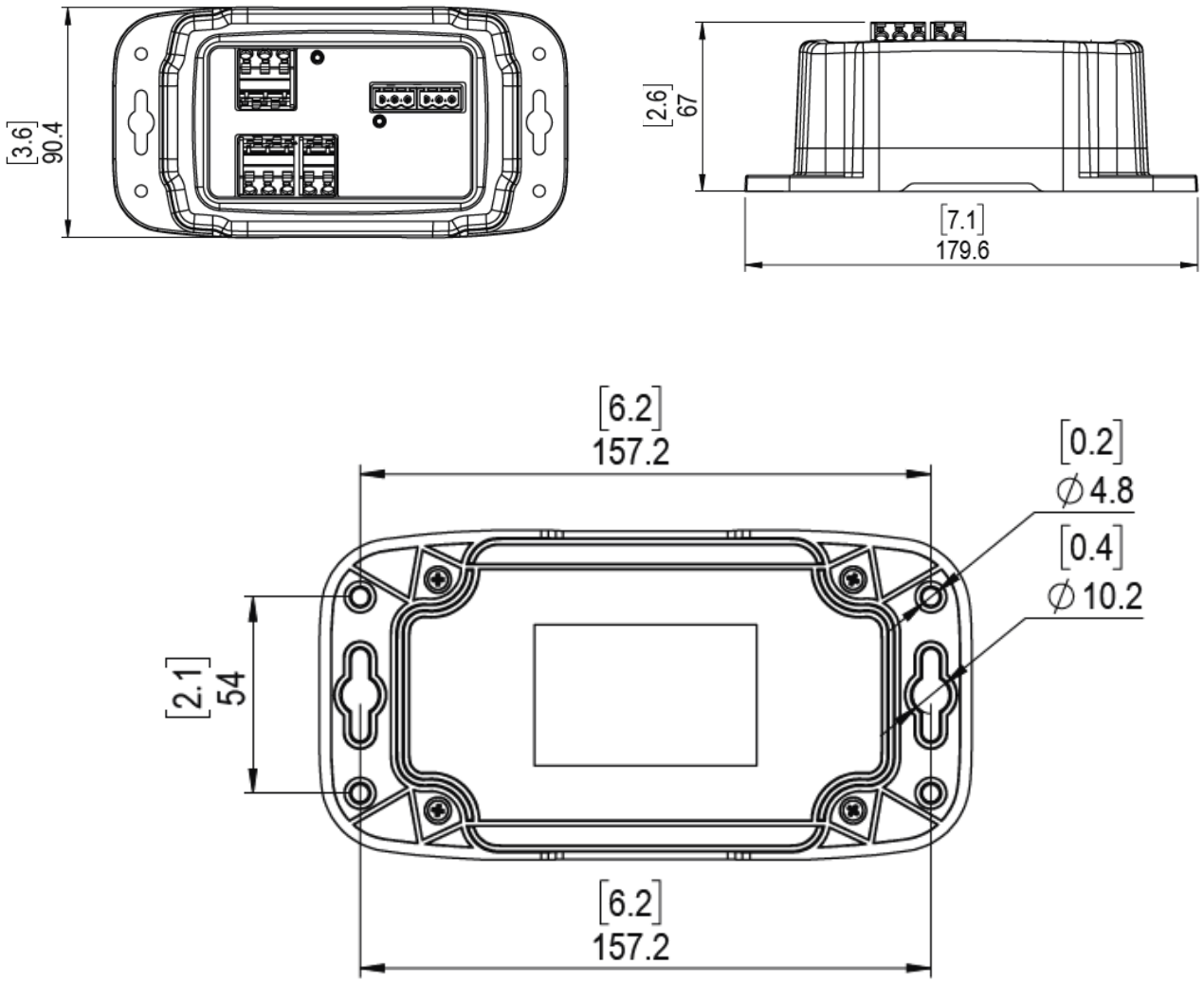
SOLARIS URBANLUX INSTALLATION INSTRUCTIONS

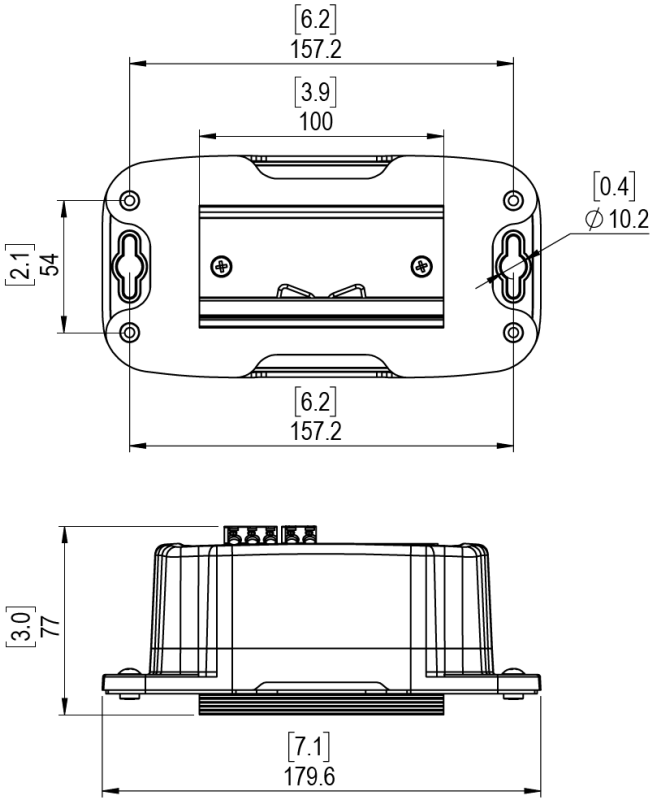
## Dimensions and mounting information




**Fasten the unit to a well-ventilated area using four M4 screws through the molded-on flanges. Torque the screws within the range of 2.2 Nm to 2.8 Nm.**

SOLARIS URBANLUX INSTALLATION INSTRUCTIONS

## Mounting on DIN Rail



**In case of installation on a DIN rail, ensure the use of the provided DIN mounting plate.**

**The unit should be secured to a mounting plate using four M4 screws through the molded-on flanges. The torque specification for these screws is between 2.2 Nm and 2.8 Nm.**

**Please ensure proper ventilation if mounted in a closed-type installation box.**

# Wiring information

## Connecting Power

**WARNING! For protection from electric shock, the fixture must be electrically connected to ground (earth). The AC mains power supply must be fitted with a fuse or circuit breaker of 13A MAX and ground-fault (earth-fault) protection.**

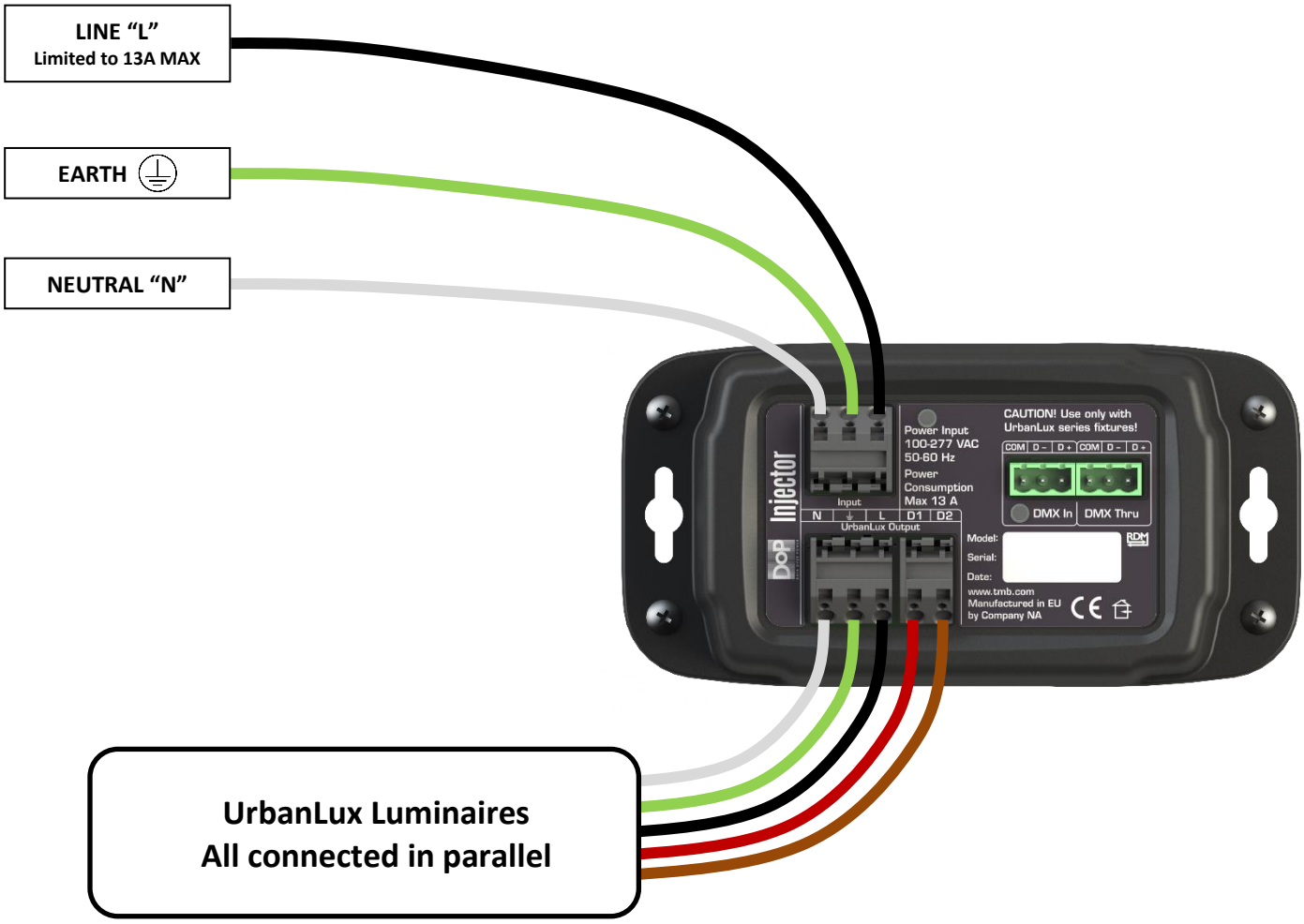
**WARNING! DOP Injector require UrbanLux luminaires to operate.**
**DOP Injector must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations**

**DANGER!**
**Risk of electric shock. Do not open the device.**
**Always power off the fixture before mounting/removing accessories or dismantling the product.**
**Ensure that the mains power is cut off when wiring the device or connecting to a luminaire.**
**Ensure that the device is electrically connected to earth (ground).**
**Do not apply power if the device or cables are damaged.**
**Do not immerse the fixture in water or liquid.**

SOLARIS URBANLUX INSTALLATION INSTRUCTIONS

## Connecting Power

### Connecting to LINE use Circuit Breaker or Fuse rated at 13A MAX !




**Never exceed allowed amount of UrbanLux fixtures per DOP Injector Output**

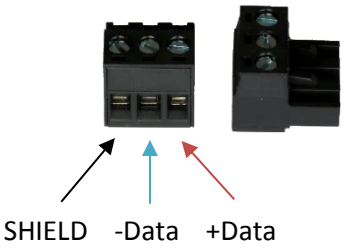
| UrbanLux Fixtures Per DoP Injector | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Fixture | 1x1 | 1x4 | 1x8 | 1x16 | 2x2 | 2x5 | 2x10 | 2x15 |
| Max units @120V | 30 | 30 | 16 | 8 | 30 | 15 | 8 | 5 |
| Max units @240V | 30 | 30 | 30 | 15 | 30 | 15 | 15 | 10 |
| Max units @277V | 26 | 26 | 26 | 13 | 26 | 13 | 13 | 8 |
| Total System Inrush | <40A, with DoP Injector | | | | | | | |

*Never exceed allowed amount of UrbanLux fixtures per DoP Injector output

## Connecting DMX

DOP Injector has two 3-pin PTB sockets with removable plugs for DMX/RDM input and output.

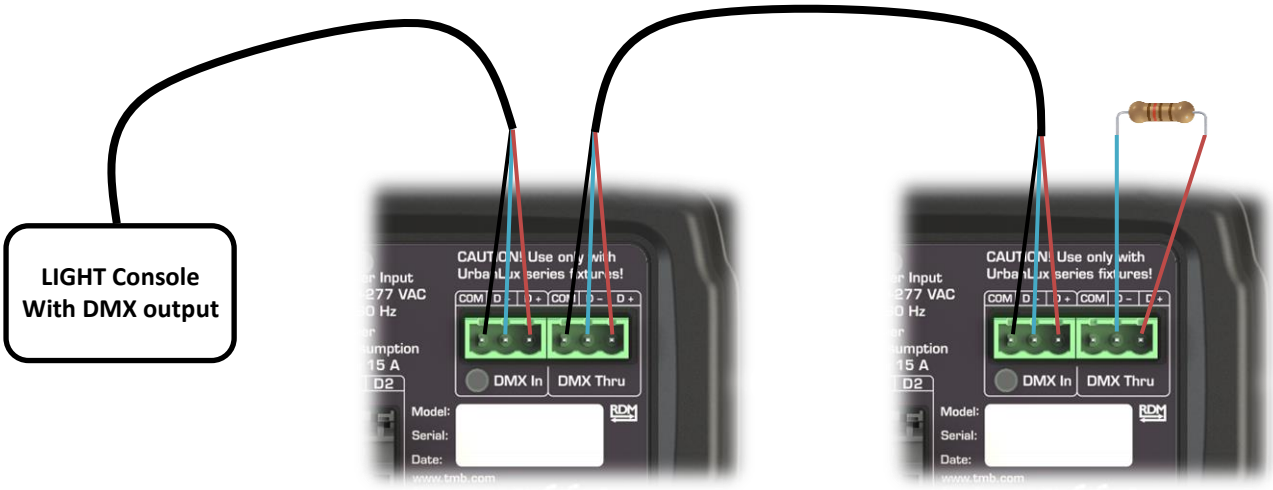
DMX pinout:




Connect DMX data output from the controller to the DOP Injector **DMX In** PTB plug using screws**.**

Run the data link from the DOP Injector **DMX Thru** socket to the **DMX In** of the next unit.

Terminate data link by connecting a 120 Ohm resistor between **+Data** and **-Data** at the **DMX Thru** of the last unit in DMX line.



SOLARIS URBANLUX INSTALLATION INSTRUCTIONS

## Technical Specs

| | |
|---|---|
| **Physical** | |
| **Length** | 180 mm [7.1 inch] |
| **Width** | 91 mm [3.6 inch] |
| **Height** | 67 mm [2.6 inch] |
| **Weight** | *TBA* |
| **Color** | black |
| **Enclosure** | Impact-resistant polycarbonate |
| **Mounting** | to surface with 4 x M4 screws |
| | |
| **Connections** | |
| **DMX/RDM** | PTB pluggable terminal block<br>(30 to 14AWG) |
| **Power In** | screwdriver-actuated CAGE CLAMP® connection<br>(28 to 12AWG) |
| **UrbanLux Output** | screwdriver-actuated CAGE CLAMP® connection<br>(28 to 12AWG) |
| | |
| **Control** | |
| **DMX** | Yes |
| **RDM** | Yes |
| **Art-Net** | No |
| **sACN** | No |
| **Addressing** | via RDM |
| **Firmware update** | via DMX link |
| | |
| **Electrical** | |
| **Voltage Input** | 100VAC to 277VAV ( 50 / 60 Hz ) |
| **Power consumption** | 1300W max @ 100VAC<br>1560W max @ 120VAC<br>3120W max @ 240VAC<br>3600W max @ 277VAC |
| **Inrush current** | <40A |
| **Fuse** | external 13A max (not provided) |
| | |
| **Environment** | |
| **Operating temperature** | -25°C to 50°C [-4°F to +122°F] |
| **Protection rating** | IP30 |