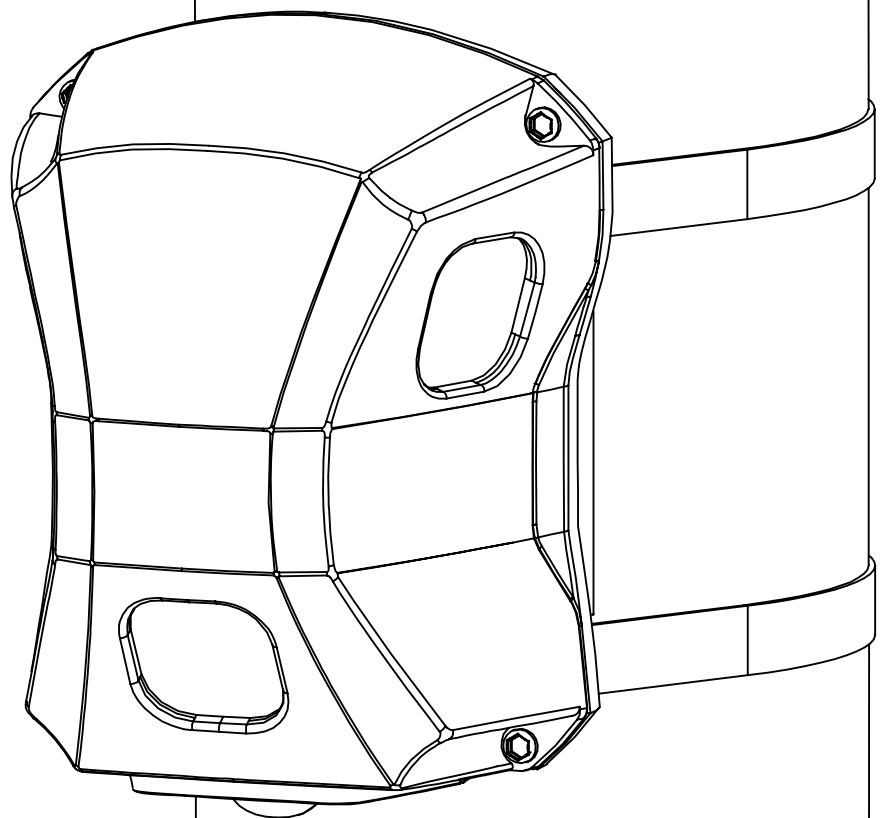# TVILIGHT

CitySense Plus
## Installation Manual

ATTENTION:

☐ In order to function properly, CitySense Plus must be connected to a dimmable driver/ballast.

NOTE: Some dimmable drivers/ballasts must be programmed/set to dimmable mode. If this has not been done, CitySense Plus will not be able to dim the connected armature.
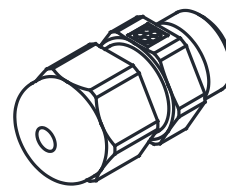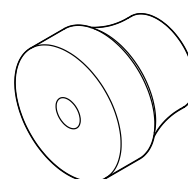
In box:

CitySense Plus

5m Cable

Sticker

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TVI-CSP1-01-0014
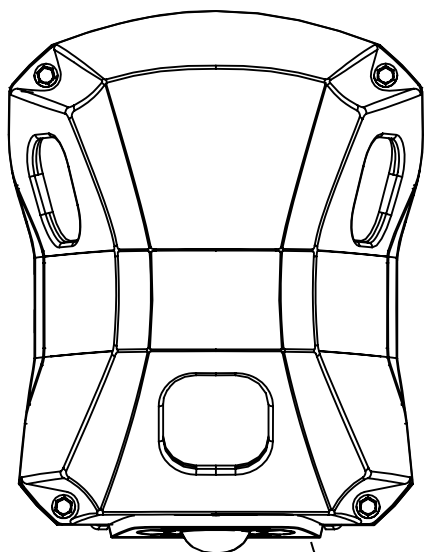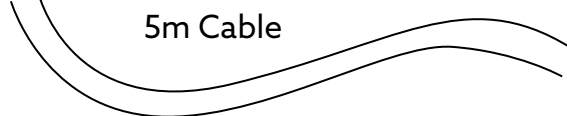
M16 Cable Gland

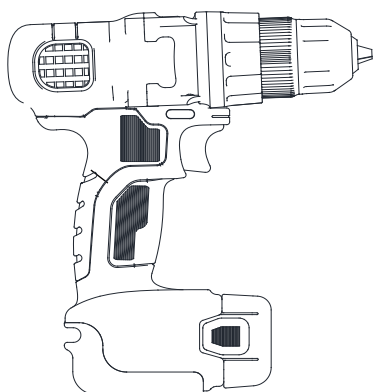

OR

20 mm Rubber Grommet

You'll need:

Drill

Generic Strap x 2
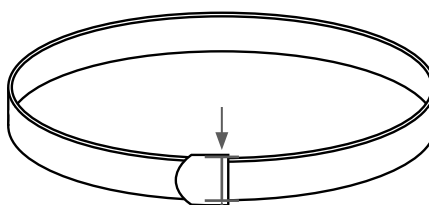
Max = 11mm
Min = 8mm

Scan&Go App

Available in the
Apple App Store
and in the
Google Play Store

M16 Thread

Wago x 4

TVILIGHT
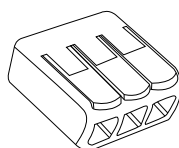
1. Run wire through Cable Gland/Grommet
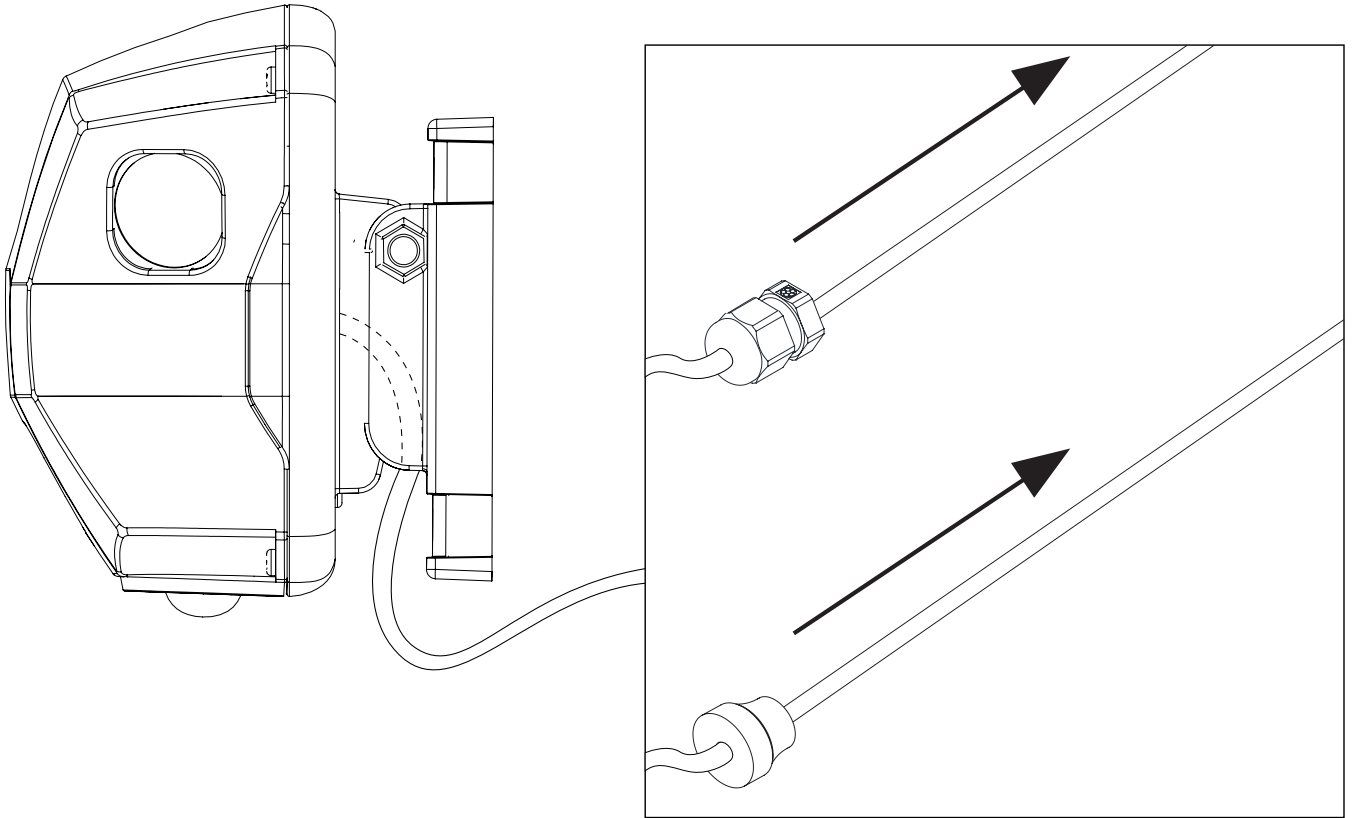
2. Drill hole into the pole:
- M16 threaded (Cable Gland) OR
- 20 mm (Grommet)

Note: for added protection against rust, the use of an anti-corrosion spray such as WD40 Corrosion inhibitor or equal is recommended.

5m

TVILIGHT
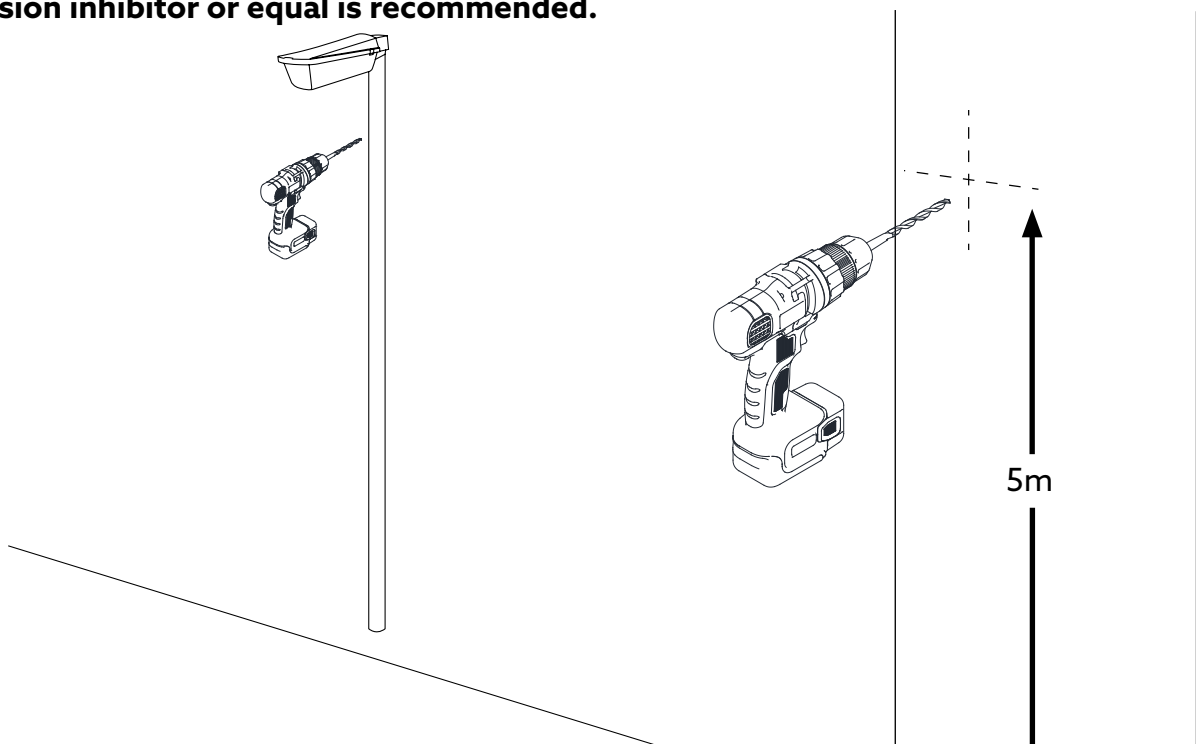
3. Run wire through hole in the pole

OR
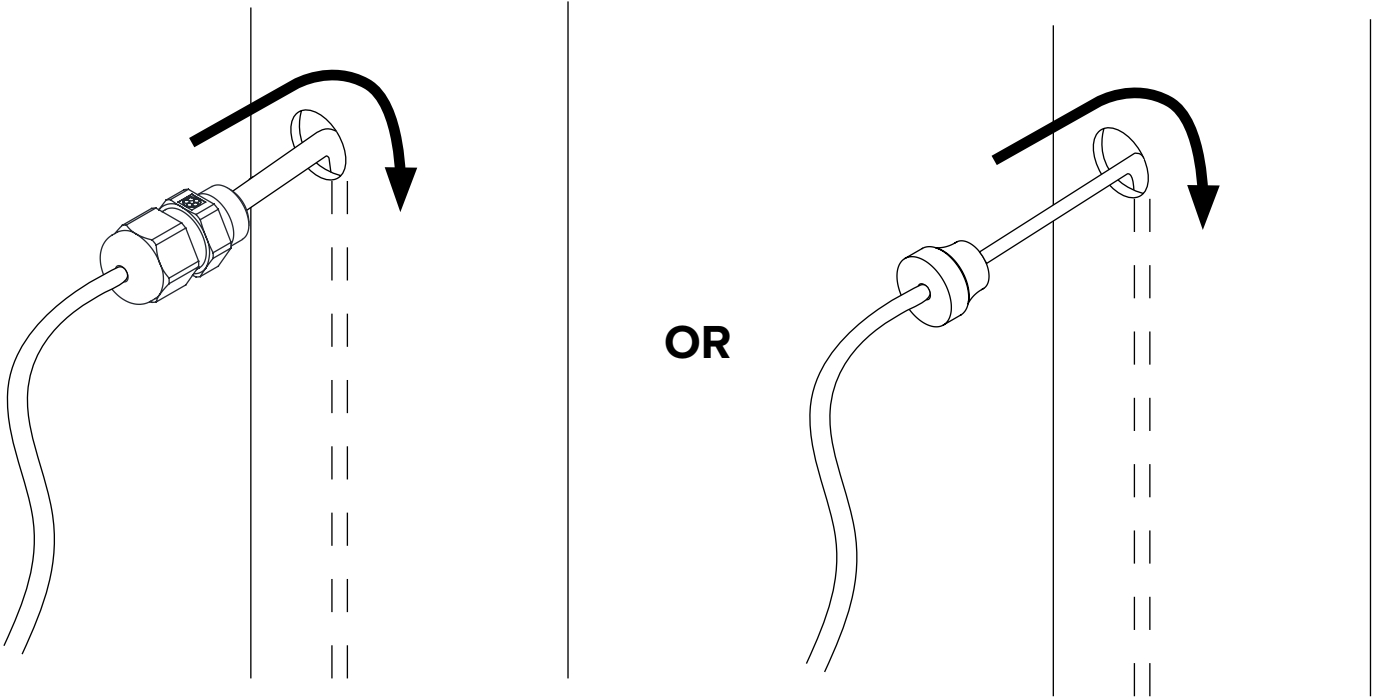
4. Insert Cable Gland/Grommet into hole in the pole

OR

TVILIGHT
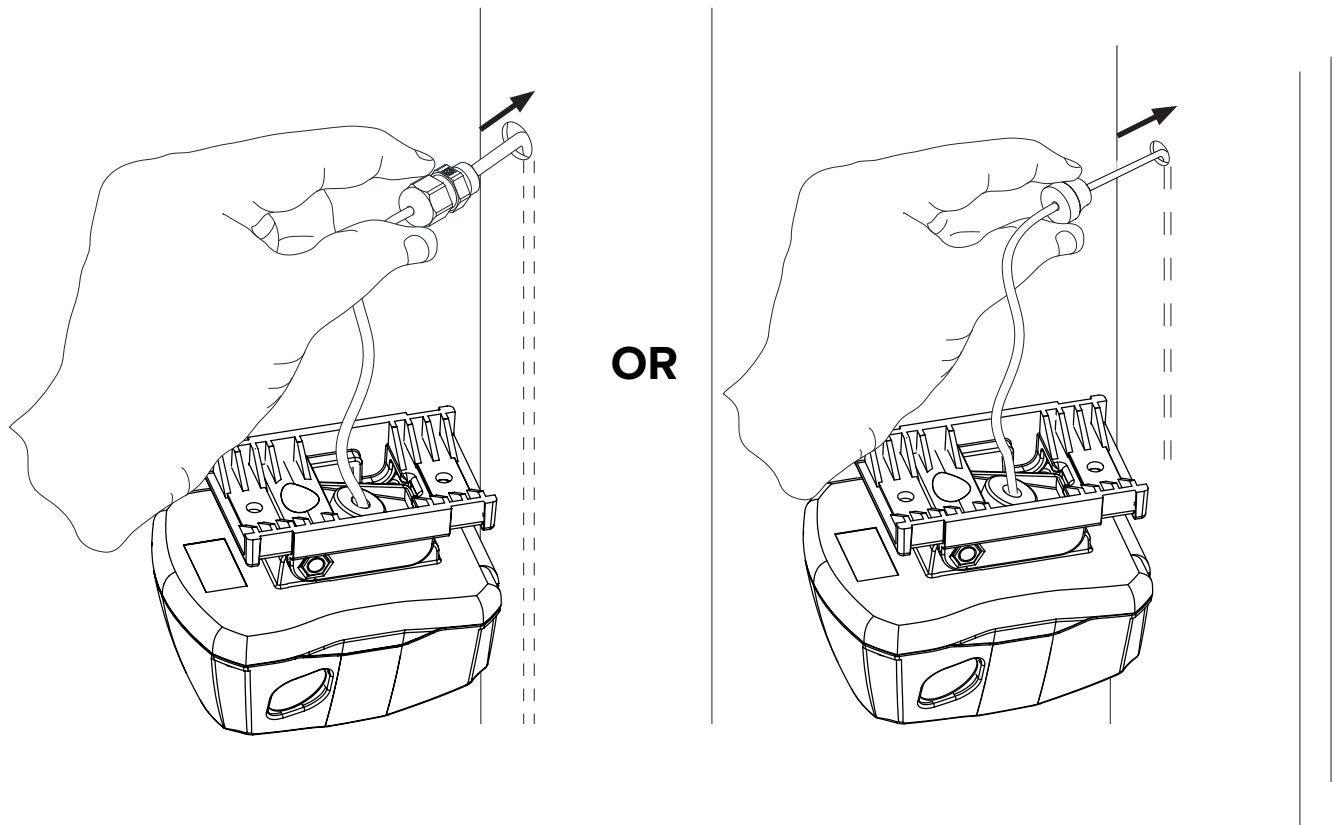
5. Screw Cable Gland OR press Grommet into the pole
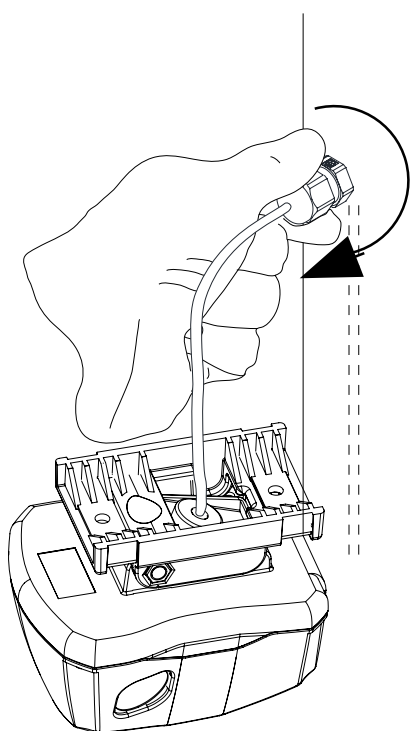
OR
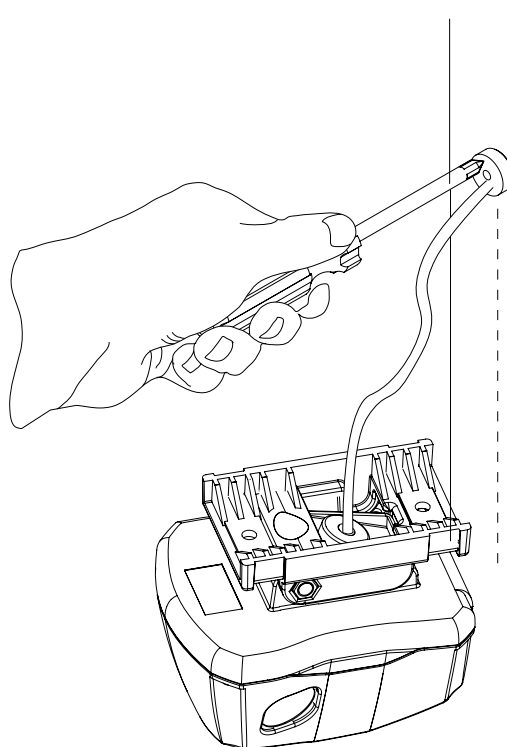
6. Strap product to the pole
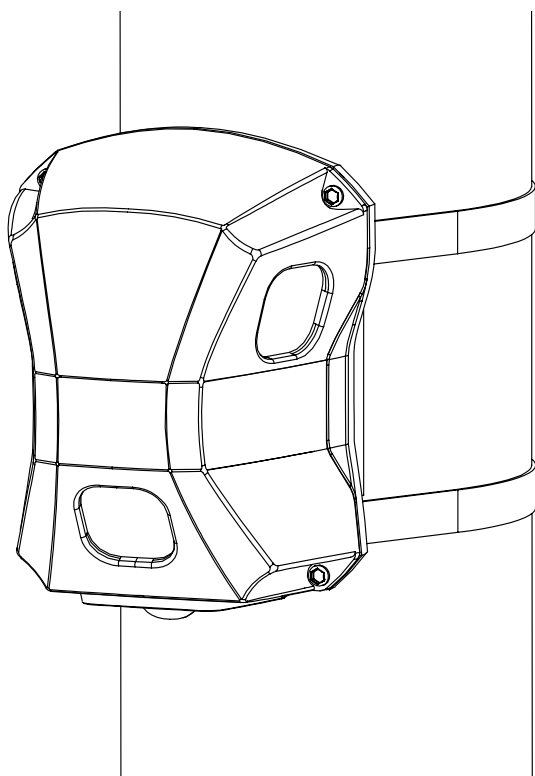
Tensioning Tool
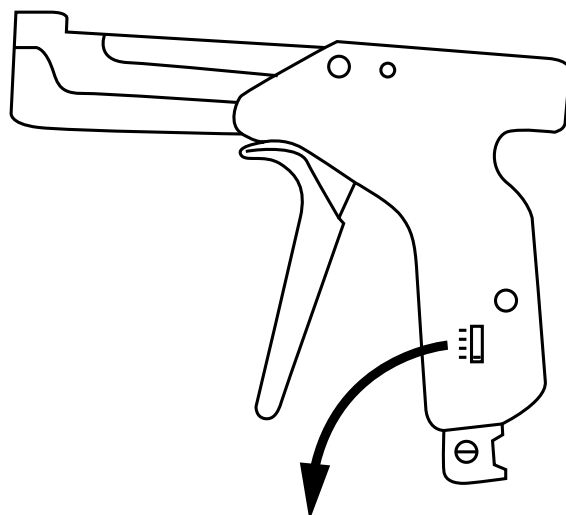
* Ensure Tensioning Tool is set to maximum tension (#4)

7. Level the product

Position 2: Standard

1
2
3
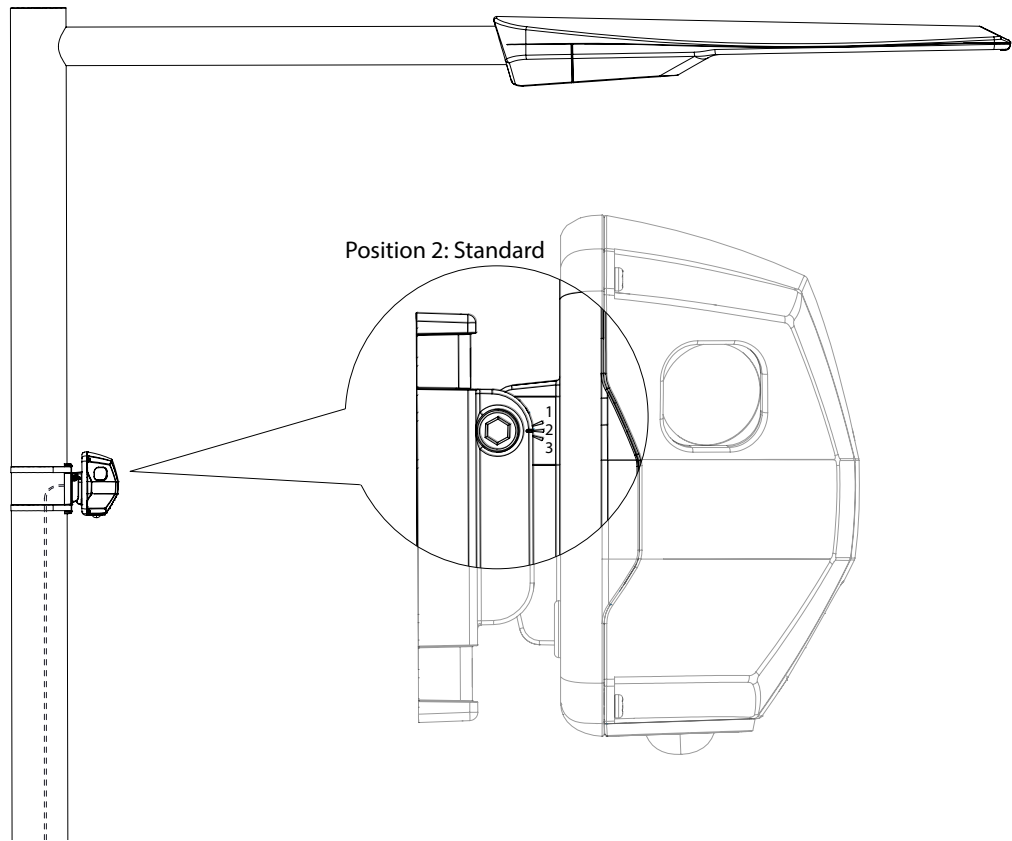
8. Apply product ID sticker to pole

SAME

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2 m
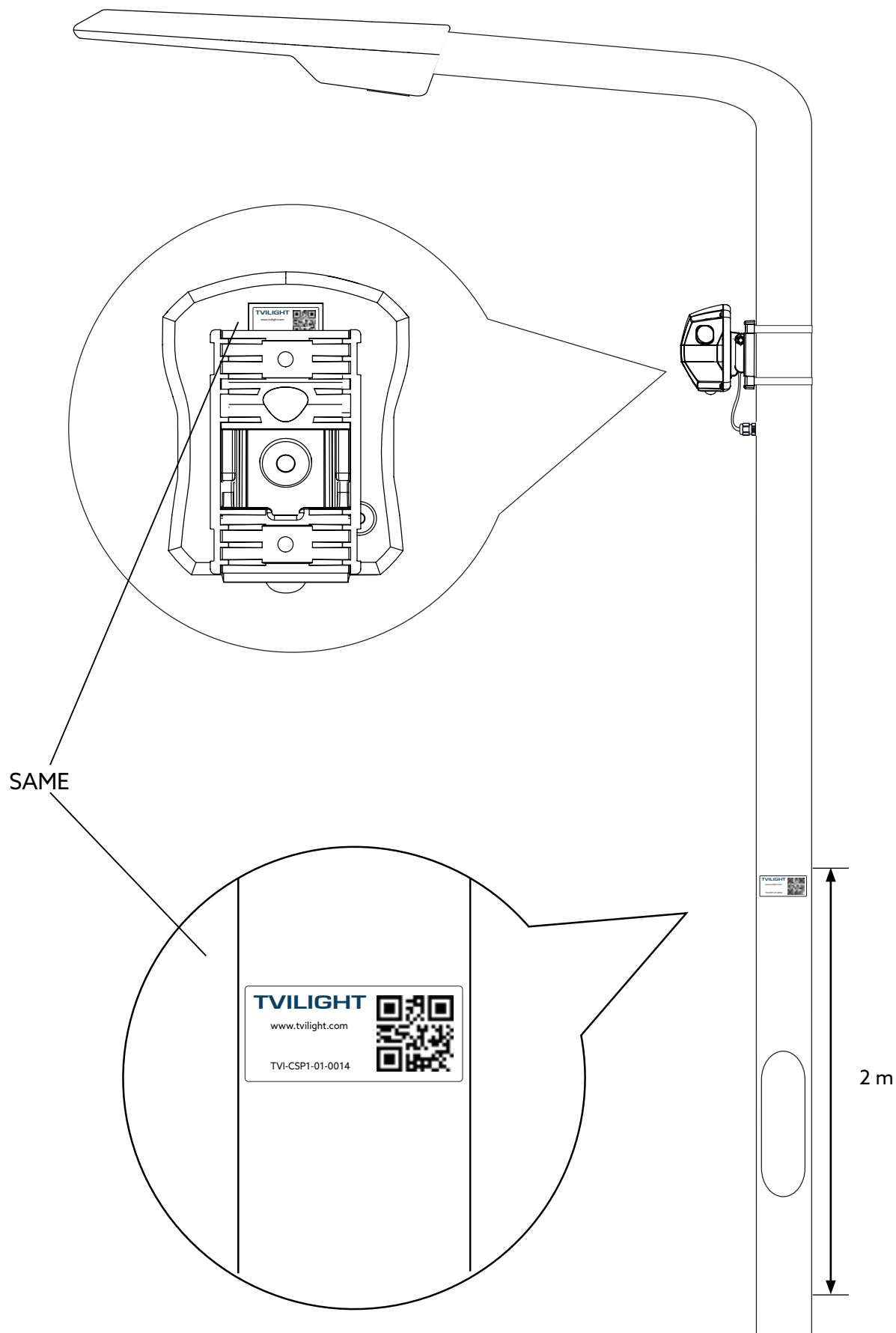
9. Add device to CityManager

1. Download Tvilight Scan&Go from Apple iOS App Store or from Google Play Store.

2. Login with your Username and Password.

3. Use the 'Add device' function in Scan&Go app to add the device to CityManager.

4. The location of the new device is determined by Scan&Go's GPS and it will be indicated on the map.

5. The Device Serial Number will be added when scanning the QR-Code with the camera.

6. Fill in the required fields (the ones with an asterisk), select the device type and also **select the type of ballast** (PWM or DALI-Logarithmic or DALI-Linear).

Note: The type of ballast must be known before installation.

7. Press save and move to next device.

For more information on how to use Scan&Go app, please visit:
https://www.tvilight.com/scan-go/

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Wiring Diagram

Connector
(e.g. Wago)

DC +

L

DC -

N

GND

AC in(L)
AC in(N)

Junction Box

WARNING:

⚠️

If not correctly connected product might not
function or it might be permanently damaged.

GND	L	N	L out	N out
GREEN	BROWN	BLUE	RED	WHITE

DC+	DC-
BLACK	GREY
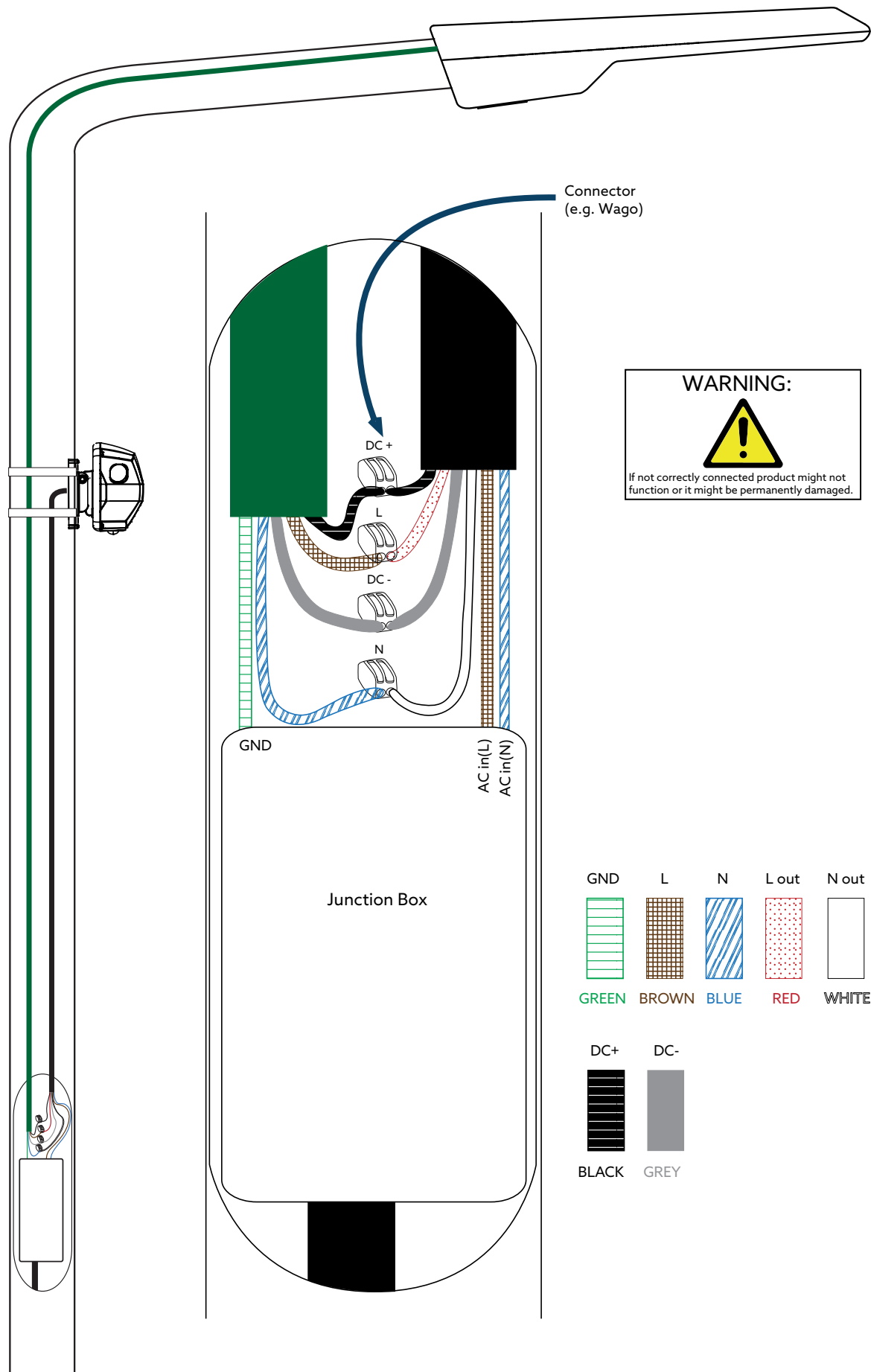
Wiring Diagram

For Single-Arm Luminaire
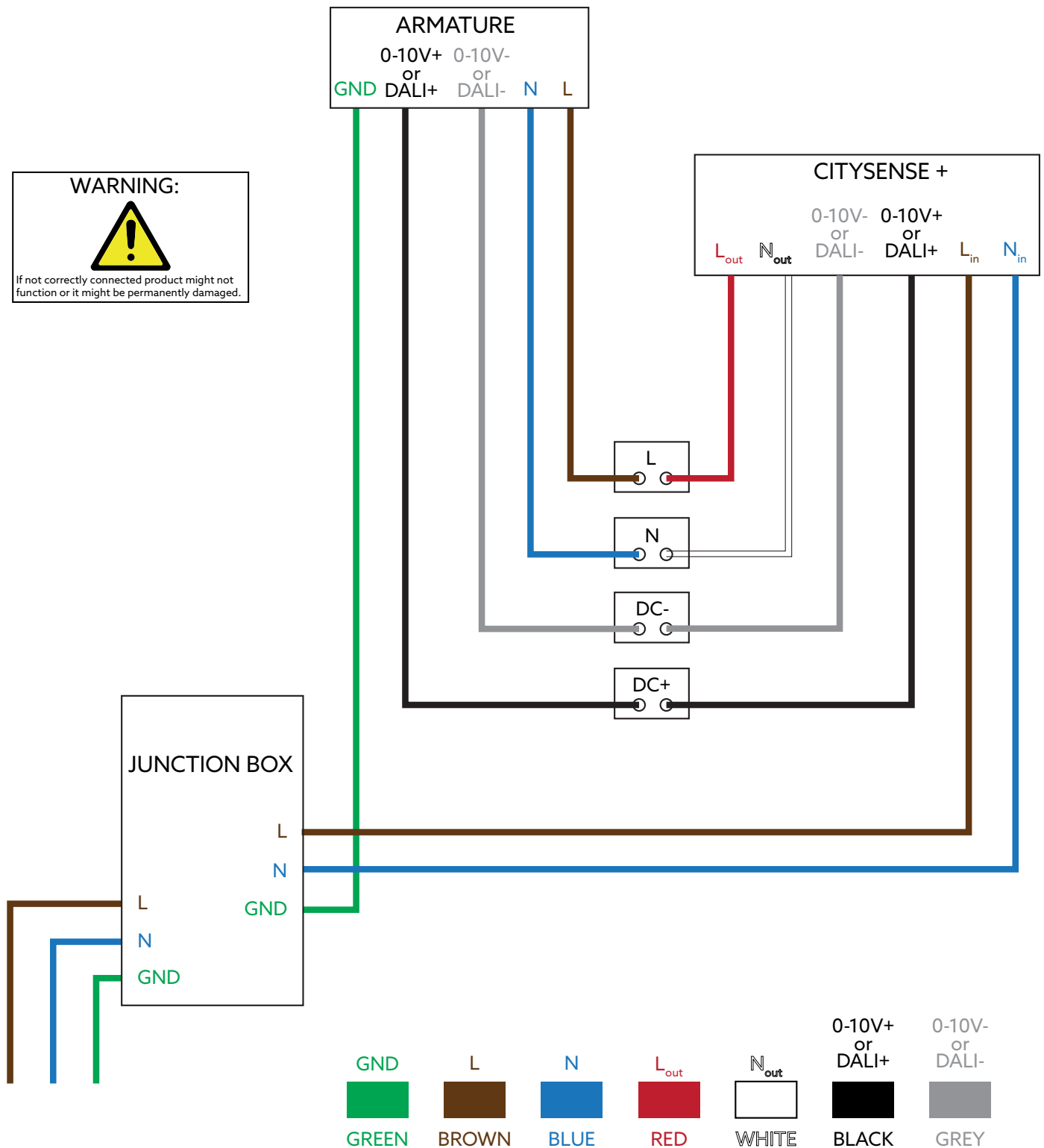
ARMATURE

GND | 0-10V+ or DALI+ | 0-10V- or DALI- | N | L

CITYSENSE +

L_{out} | N_{out} | 0-10V- or DALI- | 0-10V+ or DALI+ | L_{in} | N_{in}

WARNING:

⚠️

If not correctly connected product might not function or it might be permanently damaged.

L
N
DC-
DC+

JUNCTION BOX

L
N
GND

L
N
GND

GND	L	N	L_{out}	N_{out}	0-10V+ or DALI+	0-10V- or DALI-
GREEN	BROWN	BLUE	RED	WHITE	BLACK	GREY

Note:
For added protection, an external circuit breaker and overvoltage protector at the power input of the product are mandatory. Circuit breakers such as the ELeQ LS-94 5L2408 or similar rated products are acceptable. Overvoltage protectors such as Tvilight Overvoltage Protector is accceptable.

TVILIGHT

Wiring Diagram

For Dual-Arm Luminaire

ARMATURE

0-10V- or DALI-
0-10V+ or DALI+
N
L
GND

ARMATURE

0-10V- or DALI-
0-10V+ or DALI+
N
L
GND

L out   N out   0-10V+ or DALI+   0-10V- or DALI-

CITYSENSE PLUS

N in   L in

WARNING:

⚠

If not correctly connected product might not function or it might be permanently damaged.

N   L   GND

JUNCTION BOX

N   L   GND

GND	L	N	L$_{out}$	N$_{out}$	0-10V+ or DALI+	0-10V- or DALI-
GREEN	BROWN	BLUE	RED	WHITE	BLACK	GREY

Note:

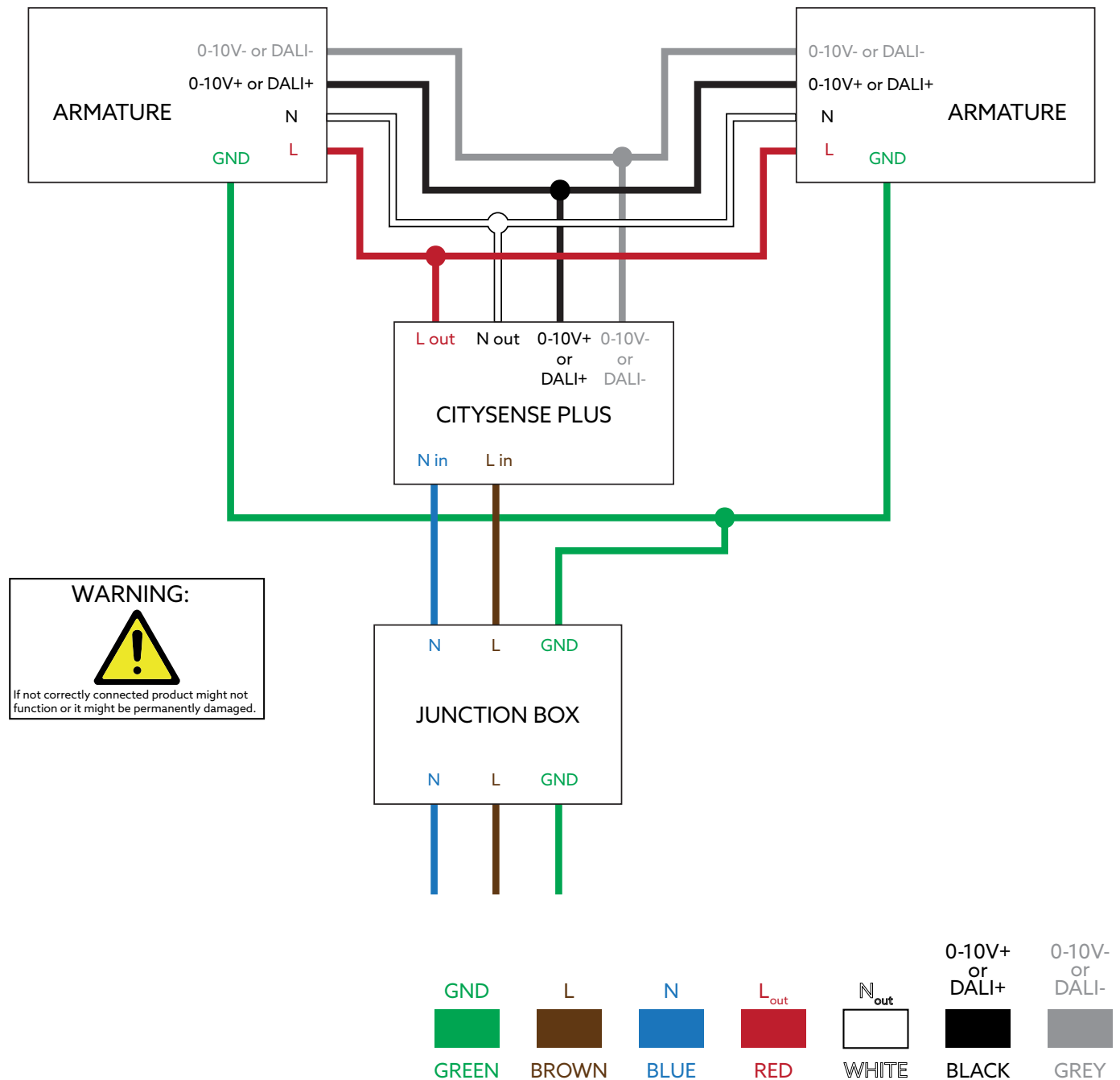**1. For added protection, an external circuit breaker and overvoltage protector at the power input of the product are mandatory. Circuit breakers such as the ELeQ LS-94 5L2408 or similar rated products are acceptable. Overvoltage protectors such as Tvilight Overvoltage Protector is acccepable.**

2. When using CitySense+ for controlling more than one streetlight fixture, please ensure that all the connected Drivers are in the same dimming mode (either 0-10V or DALI).

TVILIGHT