CIVIC CONNECT NEMA IoT

## Installation Manual

96222814

ATTENTION:

☐ In order to function properly, CIVIC CONNECT NEMA IoT **must** be connected to a dimmable driver/ballast.

NOTE: Some dimmable drivers/ballasts **must** be programmed/set to dimmable mode. Also, select the correct configuration (i.e. 0-10V or DALI) from the CMS. If this has not been done, CIVIC CONNECT NEMA IoT will not be able to dim the connected armature. DALI (logarithmic) dimming mode is recommended.

In box:

CIVIC CONNECT NEMA IoT
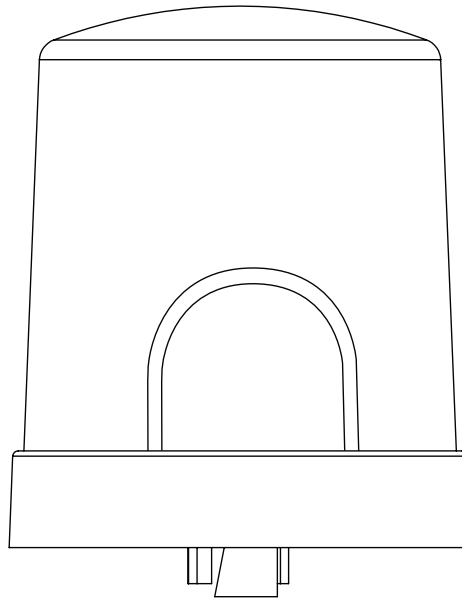
TVILIGHT

Beechavenue 162-180, 1119 PS,
Schiphol-Rijk, the Netherlands

Nema IoT
Input: 230 V AC
Output: 0 - 10V/ DALI/ SR/ D4I
RF: EGPRS/LTE Cat M1/Cat NB2
ta : -40˚C... +70˚C

CE

Designed in NL.
Assembled in PRC.

34020500001

NEMA OLC device comes with two Bar Code labels:

1. Please stick one label on the street light luminaire.
2. Please stick the second label on the street pole, preferably inside the junction box.

Bar Code needs to be scanned once using the Scan & Go App (please see the instructions below)

Register device to Urbasens CMS

- Download the TVlight Projects B.V. Scan & Go from Apple iOS App Store & Android PlayStore.
- Login with your Username and Password.
- Use the 'Add device' function in the Scan&Go app to add the device to CMS.
- The Device Name (CIVIC CONNECT NEMA IoT), Serial Number/ Bar Code (UID) and Comments can be added manually.
- The Device Serial Number can also be added using the Scanner function which is activated by tapping the camera icon in the app.
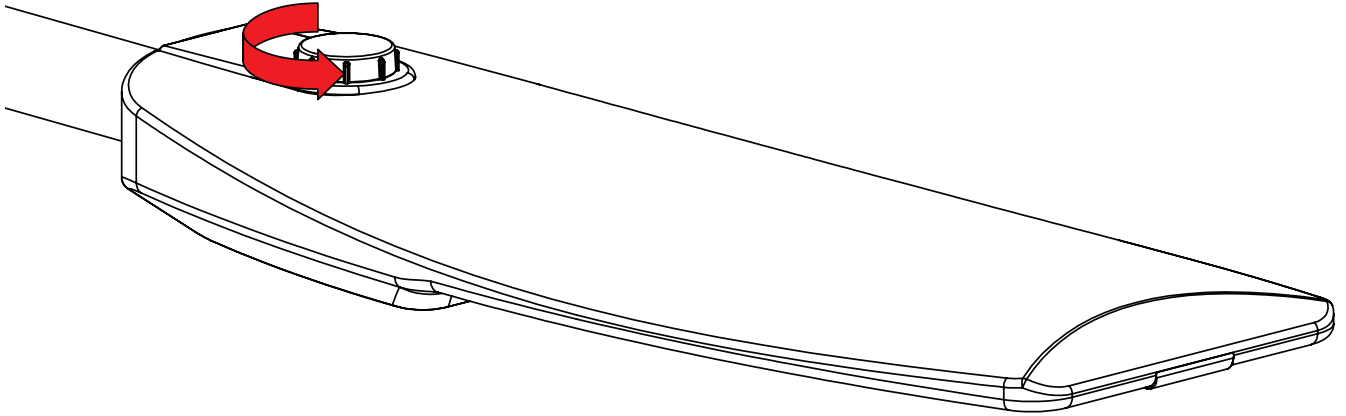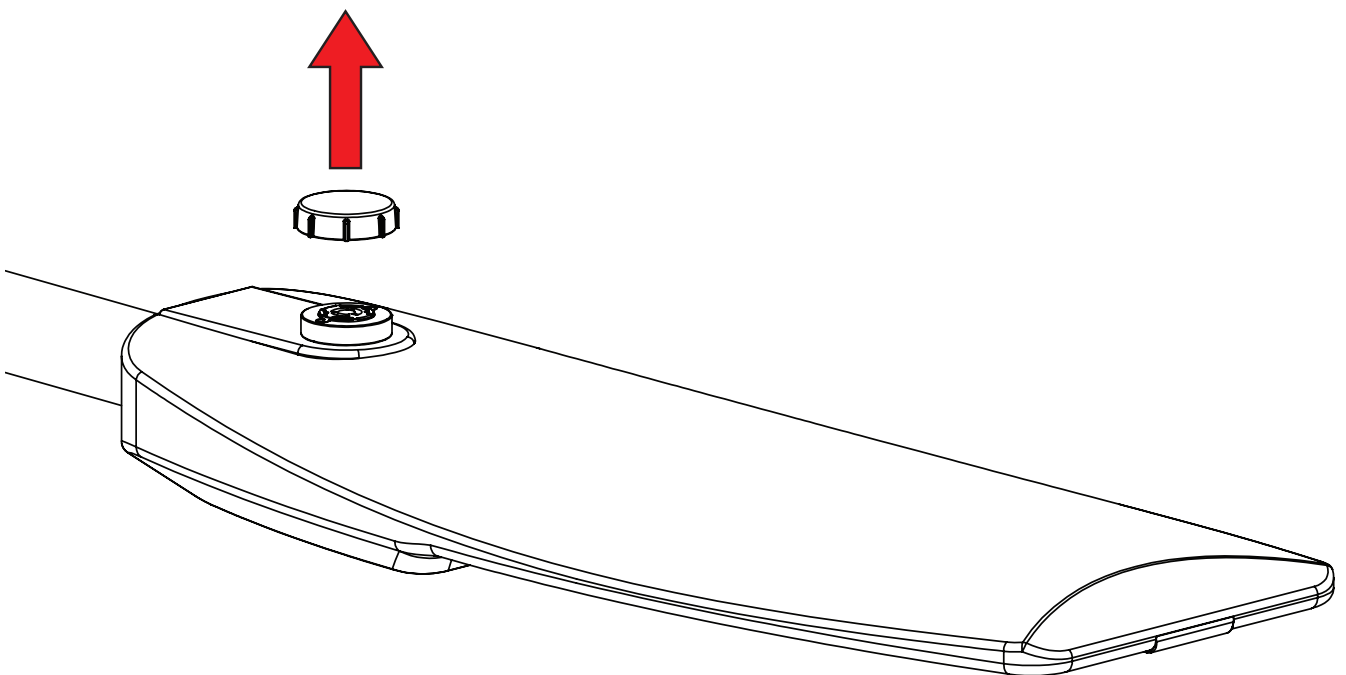
Ensure the device is pre-registered in Urbasens CMS at the factory
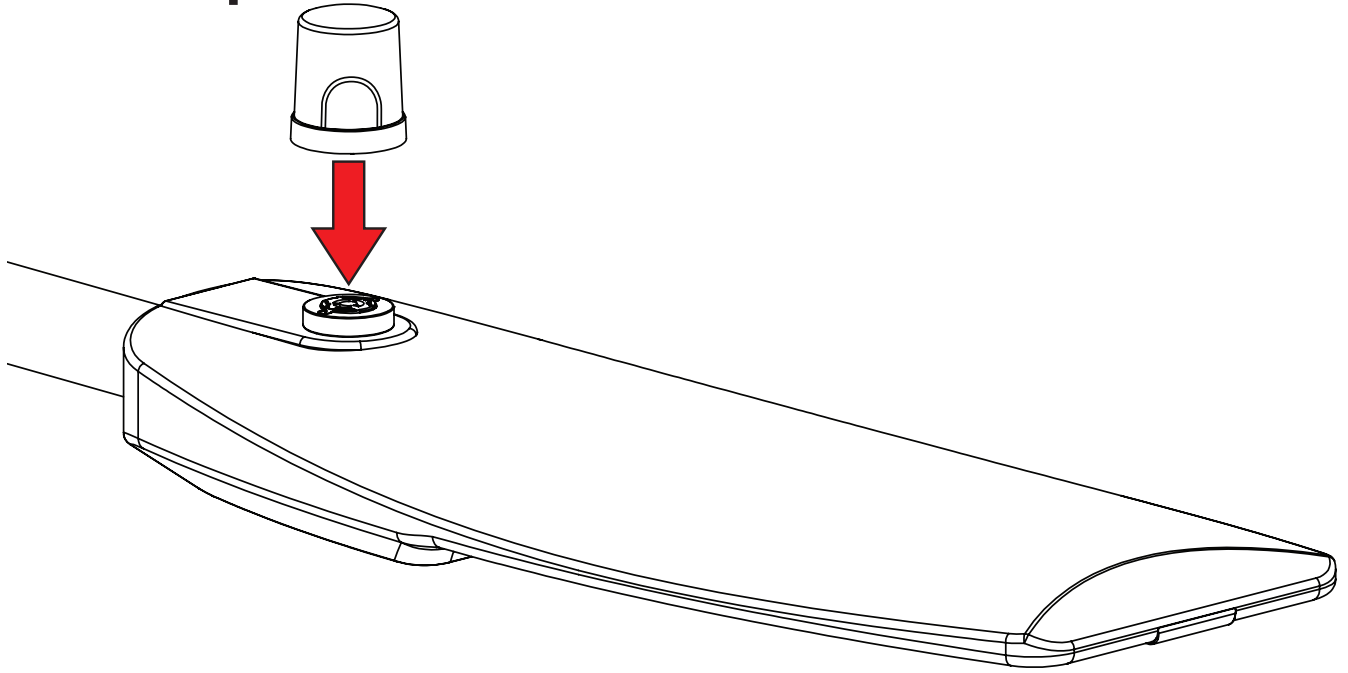
1. If applicable, twist to release protective cap
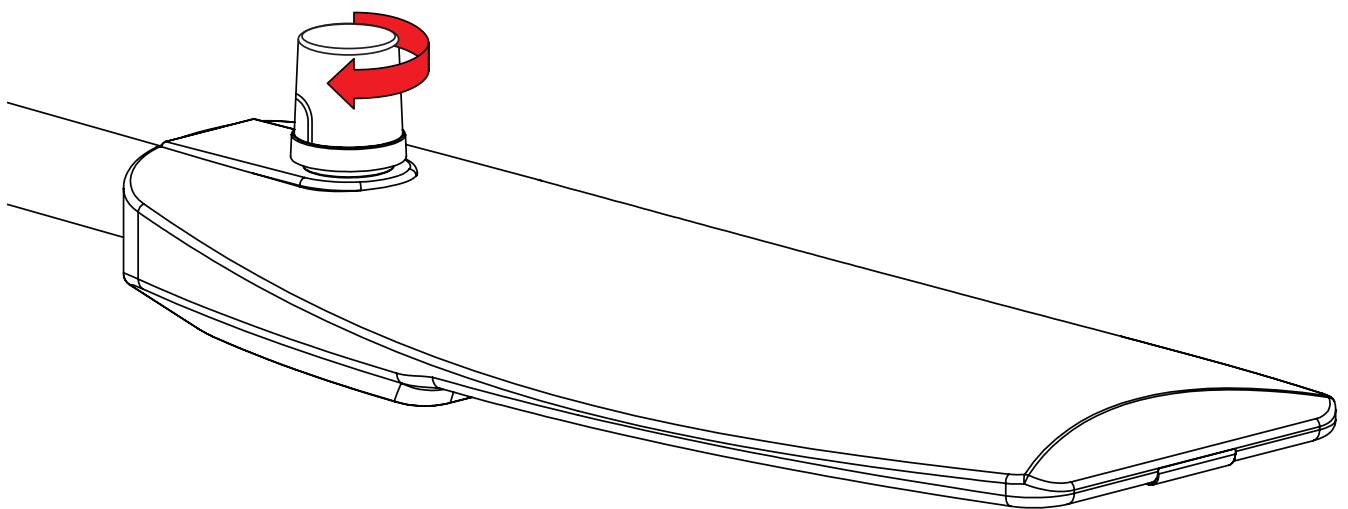

2. If applicable, remove protective cap

3.Place CIVIC CONNECT NEMA IoT on receptacle

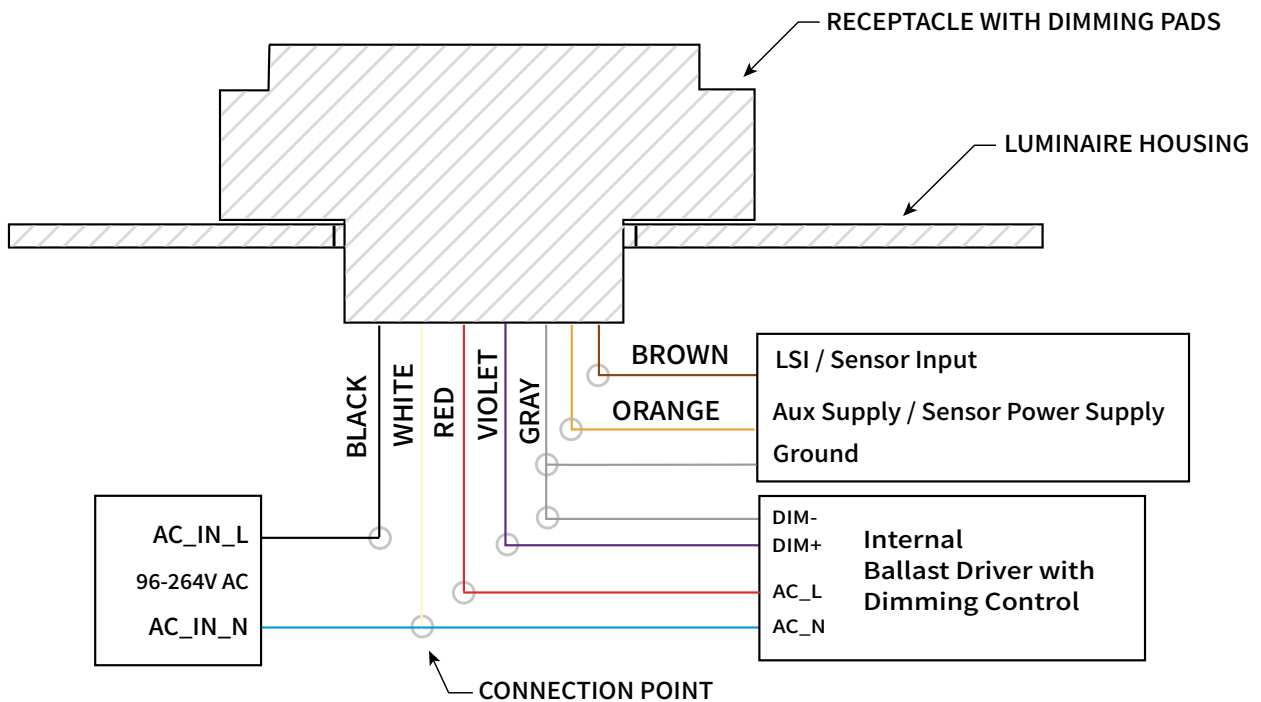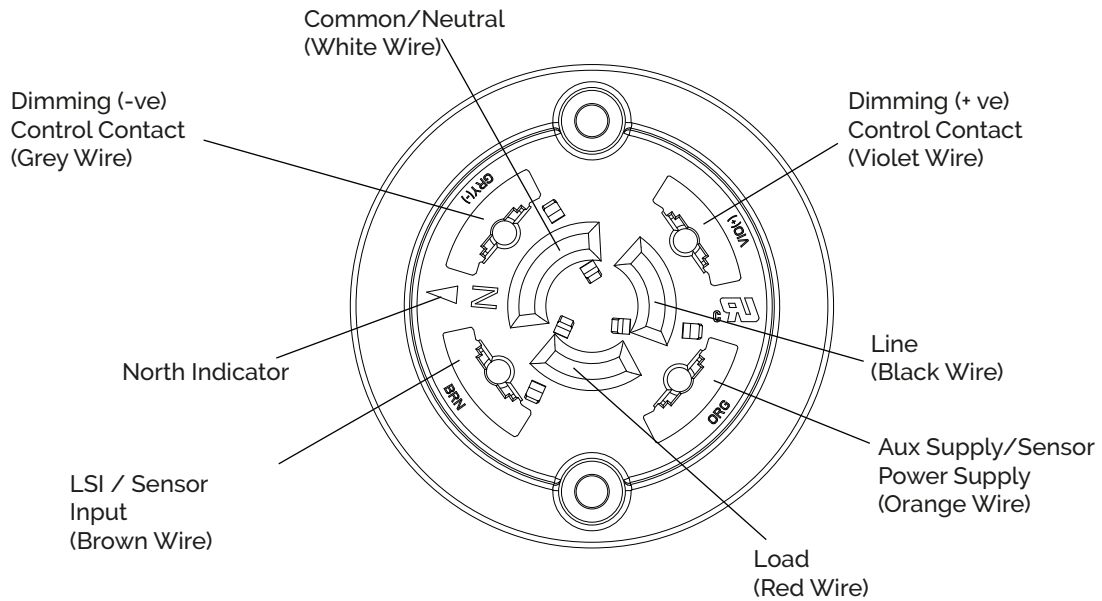# 4.Twist CIVIC CONNECT NEMA IoT to lock it in place

- Install the device with the transparent window facing the NORTH direction. Adjust the receptacle position if necessary.

- Ensure the transparent window on the dome is free of any obstruction for at least 5 feet.

5. Wiring Location

The receptacle is wired on the bottom side of the assembly; access from the inside of the luminaire. Wiring reference is as below.

NEMA Receptacle (top-view) – ANSI C 136.41

Common/Neutral
(White Wire)

Dimming (-ve)
Control Contact
(Grey Wire)

Dimming (+ ve)
Control Contact
(Violet Wire)

North Indicator

Line
(Black Wire)

LSI / Sensor
Input
(Brown Wire)

Aux Supply/Sensor
Power Supply
(Orange Wire)

Load
(Red Wire)

RECEPTACLE WITH DIMMING PADS

LUMINAIRE HOUSING

BLACK WHITE RED VIOLET GRAY

BROWN LSI / Sensor Input

ORANGE Aux Supply / Sensor Power Supply

Ground

AC_IN_L

96-264V AC

AC_IN_N

DIM-
DIM+

AC_L

AC_N

Internal
Ballast Driver with
Dimming Control

CONNECTION POINT

Notes:

1. Through the transparent window a RED and GREEN LED are visible.
2. For added protection, it is recommented to add an external circuit breaker at the power input of the product. Circuit breakers such as the ELeQ LS-94 5L2408 or similar rated products could be used.
3. For regions with unclean (fluctuating) electric grids which are prone to voltage surges, We strongly recommends using Over-voltage and Surge Protectors. Contact Sales for more details.
4. Warranty subject to proper use of installation manual.

Getting started

1. Ensure that the device is pre-registered through the Scan & Go App
2. Ensure that the device is installed properly as per the steps mentioned previously
3. Turn ON the power
4. The device starts to initialize, and the red LED (visible inside the device window) will flash (blink). Blinking Red LED is a good sign; it shows the device is alive.
5. The device tries to register to the local telecom network and the green LED will flash. It may take several minutes. First time sim card connectivity can take between 30 minutes to 8 hours depending on your country and the OLC location. So, please have patience!!
6. The device should now be online on CMS and the green LED will turn to solid green. The device should now be online on CMS
7. Use your login (same as Scan & Go app) or other user account provided to login to the Urbasens CMS (https://urbasens.zumtobelgroup.com)

8. You are ready and connected. Enjoy energy savings and smart maintenance notifications!

LED status

Blinking Red	Device running normally
Solid Green	Connected to Server

Troubleshooting

1. If the Red LED (inside the small window) does not blink

This can be due to lack of power:

1. Please ensure to turn ON power from the circuit breaker.
2. Please check if the streetlight luminaire is working.
3. Check if the wires are properly connected.
4. Ensure that the device is locked/ properly connected on the NEMA receptacle

2 If the device shows flashing/ blinking GREEN LED (after powering the device for at least 8 hours)

This means that the device is not able to connect to the CMS server. This can be due to the following reasons:

1. The device is not yet registered in the **Urbasens** CMS. Please get it registered using the Scan & Go app (see instructions above).

2. There is no sim card network reception on the device location. (Please note that the sim connection can take as much as 8 hours when used for the first time in your region.)