

**Before the installation**

Before the installation, the installer/user must read the full manual available at the following internet address upon registration at Paradox Engineering website:



**Warnings (English)**

The following instructions provide important precautions to safely install, use and maintain the product. Please read and follow them carefully before operating the unit: failure to comply may compromise people safety and/or damage the device, with serious consequences depending on circumstances.

- The equipment is Class II equipment and fits outdoor installation. It does not require (and must not have) a safety connection to electrical earth.
- The equipment is intended for installation, service and repair by trained and skilled personnel only (no operator access)
- Install the product in accordance with the instructions provided in this installation manual
- The manufacturer shall not be held liable for errors or damages due to wrong mounting operations
- This equipment is intended to be used with elevations up to 2000 m
- The product and the various units comprising the installation must only be used for the purpose for which they are intended. Any other use is considered improper and dangerous
- Unpack the product and check possible damages before installing and operating it
- Electrical work and installation must be performed in accordance with relevant local and national regulations, following the instructions provided in this installation manual.
- Before connecting the product, make sure that product voltage ratings correspond to the mains power supply voltage
- Product drivers are default set as per the configuration sheet provided with the product. The product must only be installed in luminaires with compatible drivers.
- When plugging the product on the luminaire socket, ensure that the North indicator on the cap is aligned with the North indicator of the luminaire socket.
- Install the product under a good GPS coverage.
- Before cleaning or servicing the product, disconnect it from the mains power
- Dispose of packaging or product must be in compliance with applicable local and national waste disposal regulation
- Keep this document for future use and reference

**Warnings (Français)**

- L'équipement est un équipement de classe II et convient à une installation en extérieur. Il ne nécessite pas (et ne doit pas avoir) de connexion de sécurité à la terre électrique
- Ces équipements sont destinés à l'installation, l'entretien et la réparation effectués uniquement par un personnel formé et qualifié (aucun accès à l'opérateur)
- Installer le produit selon les instructions fournies dans ce manuel d'installation
- Le fabricant n'est pas responsable d'erreurs ou de dommages attribuables à des opérations de montage erronées
- Ces équipements sont destinés à être utilisés jusqu'à 2.000 mètres d'altitude
- Le produit et les différentes unités comprenant l'installation doivent être utilisés seulement pour les finalités pour lesquelles ils sont prévus. Toute autre utilisation est considérée comme inappropriée et dangereuse
- Déballez le produit et contrôlez les dommages possibles avant de l'installer et de le faire fonctionner
- L'installation et le travail électrique doivent être effectués conformément aux réglementations nationales et locales pertinentes en suivant les instructions fournies dans ce manuel d'installation.
- Avant de brancher le produit, s'assurer que la tension nominale du produit corresponde à la tension d'alimentation du réseau électrique
- Les drivers de produits sont définis par défaut conformément à la feuille de configuration fournie avec le produit. Le produit ne doit être installé que dans des luminaires avec des drivers compatibles.
- Lorsque vous branchez le produit sur la prise du luminaire, assurez-vous que l'indicateur Nord sur le capuchon est aligné avec l'indicateur Nord de la prise du luminaire.
- Installez le produit sous une bonne couverture GPS
- Avant de nettoyer ou d'assurer l'entretien du produit, il faut le débrancher du réseau électrique
- L'élimination du produit ou de son emballage doit être conforme aux réglementations nationales et locales pertinentes en matière d'élimination des déchets
- Conserver ce document pour une utilisation et des besoins futurs

**USA**

**RF exposure information**

The NDLM007US (FCC ID: 2AKPQNDLM007) complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and

- 2) This device must accept all interference received, including interference that may cause undesired operation

This device should be operated with a minimum separation distance of 50 cm between the equipment and a person's body.

The calculations were carried out assuming no co-location or operation in conjunction with any other antenna or device which may contain transmitters.

The equipment contains:

- NDLM007US-1, FCC ID: N7NWP77B
- NDLM007US-2, FCC ID: N7NWP76B

**RF exposure guidelines for addressing co-location**

The device should not be co-located with any other transmitter during the installation without following the FCC co-location procedure first (FCC KDB 447498 RF exposure guidelines for addressing co-location).

**US Responsible party**

NMB Technologies Corporation, 9730 Independence Ave, Chatsworth, CA 91311, United States

**Changes**

Changes or modifications made to this equipment not expressly approved by MinebeaMitsumi inc., may void the user's authority to operate this equipment.

**Note**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This radiocommunication equipment has the electromagnetic field strength in compliance with the Safety Standard for the Use of Radiocommunication Equipment on Human Health announced by the National Telecommunications Commission.

## Smart Lighting Node Hybrid NEMA

**Part No.** NDLM007US-1  
**Serial No.:** 002105280001  
**Production date:** 2022-05-04

### Interfaces MAC addresses

Narrowband MAC address: xxxxxxxxxxxx  
Bluetooth MAC address: xxxxxxxxxxxx

### Software packages versions:

Linux Image: xxx  
Backend: xxx  
Radio FW: xxx

### LTE module info:

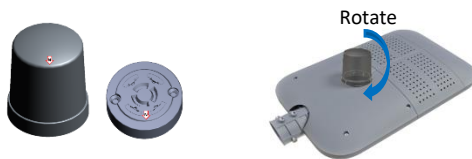
Model: WP7702  
Modem IMEI: xxx

### eSIM info:

eSIM ICCID: xxx

### Installation procedure

When plugging the Hybrid NEMA 5G into the luminaire socket, ensure that the North indicator on the cap is aligned with the North indicator of the luminaire socket, as shown the figure below.



Once plugged into the luminaire socket, rotate the cap of the product clockwise until it is safely locked in the final position.

In order to avoid mechanical stress, please do not rotate the device with excessive force.