

## TORONTO MUTLI-WATTAGE & SEL CCT LED IP65 LUMINAIRE INSTRUCTIONS

Issue 04 14<sup>th</sup> October 2024

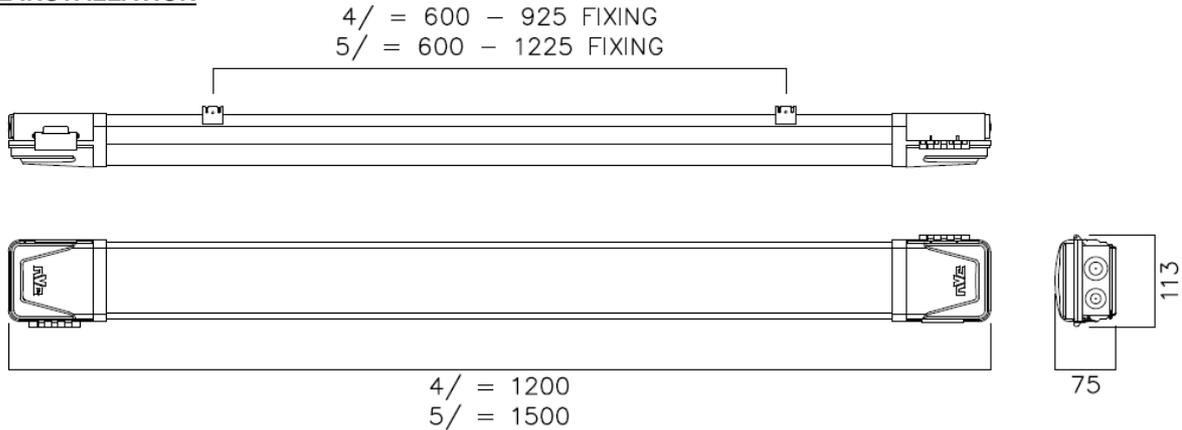
**THANK YOU** for buying this product. To help ensure it gives complete satisfaction please install it according to these instructions, and then pass the instructions to the appropriate person for retention and future reference.

**SAFETY** This is a mains powered product. It is designed to be installed by suitably qualified personnel only and in accordance with the applicable building and electrical regulations. Before installation or maintenance the electrical supply to the product must be isolated.



**INSTALLATION SUPPORT** If installation advice or accessories are required, please contact us at the above address. We will do our best to help. When reporting a suspected fault or seeking installation support, the problem is likely to be resolved most quickly if you have full product details to-hand, as well as details of when and where it was purchased.

### LUMINAIRE INSTALLATION



1. Surface fixing (**using mounting clips\***): Mount the two stainless steel surface mount fixing clips provided (in accessory pack) to the ceiling at the specified fixing centres (see diagram).
2. Offer the base up to the clips & push to snap fit and tighten screw to secure in place
3. Undo the clips on each side & hinge open the endcaps to access the mains terminal blocks
4. Provide the mains supply cables to the end caps & pass through the IP65 gland fitted, cable restraints provided  
**\*\* It is the installer's responsibility to ensure the IP65 rating is maintained**
5. Route the mains supply cable to the terminal block & terminate, ensuring correct polarity is observed.
6. For DALI versions connect the DALI bus cables to the DA+ DA - terminations.  
**Note! This product is through wired using 2.5mm<sup>2</sup> cable, so it is possible to wire to either end & also link on to the next product**  
**NOTE! THIS LUMINAIRE MUST BE EARTHED.**
7. To set the wattage & CCT use slider switches provided in the endcaps. **Default settings are 4Ft=4000K & 38W; 5Ft=4000K & 60W (see table 1. below)**
8. Reclip the end covers & push in to secure.
9. Reconnect power supply & check for correct operation.  
**Note!** Luminaires fitted with electronic drivers are exempt from insulation resistance tests, as this may cause irreparable damage & would void warranty.

### MAINTENANCE

Cleaning should be carried out at regular intervals so as not impair photometric performance or thermal safety of the luminaire.

WATTAGE & CCT (4Ft)	WATTS	LUMENS		WATTAGE & CCT (5Ft)	WATTS	LUMENS
NTT-4-38-3000	37	5563		NTT-5-60-3000	60	9147
NTT-4-38-4000	36	5790		NTT-5-60-4000	59	9513
NTT-4-38-6000	37	5920		NTT-5-60-6000	60	9766
NTT-4-28-3000	28	4205		NTT-5-38-3000	38	5791
NTT-4-28-4000	27	4349		NTT-5-38-4000	38	5955
NTT-4-28-6000	28	4489		NTT-5-38-6000	38	6172

Table 1.

## GENERAL MAINTAINED EMERGENCY LUMINAIRE INSTRUCTIONS

These instructions should be followed in conjunction with the standard luminaire instructions. Please read carefully and pass to the end user/responsible person for retention and future reference.

### INSTALLATION

1. Following the installation of the luminaire in accordance with the standard luminaire installation instructions, a separate permanent live supply should be terminated in the incoming supply terminal block in the luminaire, in the connection marked 'L PERM'. The permanent supply **MUST** be taken from the same phase as the corresponding switched supply and **MUST** be wired at the switchboard so that upon instances of tests, it is isolated at the same time as the switched supply.
2. **Set the Battery switch to the ON position using the 2way slider switch provided in the endcap**
3. N.B. to avoid potential damage to the battery please ensure the permanent live is energized as soon as possible following connection of the battery to the module.
4. Upon restoration of the power supply to the luminaire, check that the indicator LED fitted within the luminaire illuminates green. This indicates that the batteries are charging and that the charging circuit is healthy.
5. Allow the battery to charge for an uninterrupted period of not less than 24 hours prior to carrying out a full discharge test.

### MAINTENANCE

6. The battery pack in this luminaire must be replaced when it is no longer able to satisfy its full rated duration.
7. In emergency mode the light level of the luminaire will be at a reduced output. Regular maintenance and gentle cleaning are recommended so as to ensure that the Emergency Output Factor (E.O.F) remains at specified levels.
8. Isolate the supply before servicing.
9. Please ensure that the emergency flux is not compromised at any time throughout the luminaires design life.
10. **DO NOT INSULATION TEST**

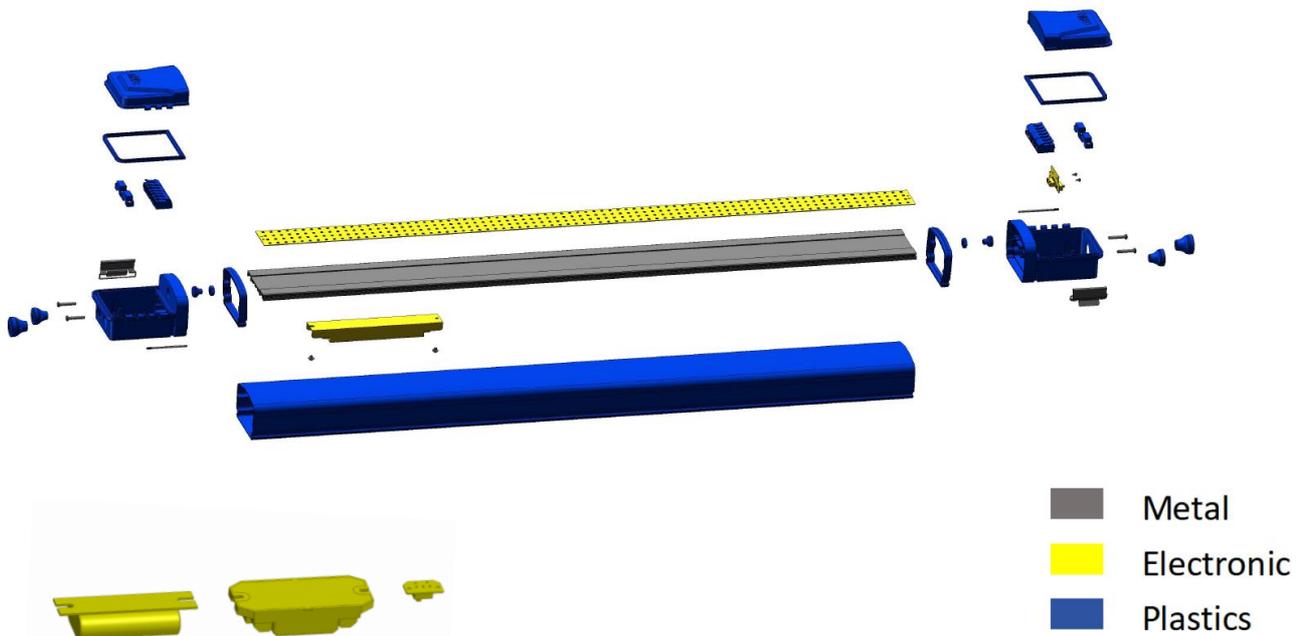
### Caution:

The battery pack in this luminaire is a Lithium Iron Phosphate (LiFePO4) type which includes a dedicated protection circuit. If replacing the battery pack, the specification and chemistry **must** be identical to that detailed on the battery label.

### TESTING OF EMERGENCY LUMINAIRES:

Recommended routine test procedures in line with BS 5266-1:2016 & BS EN 50172:2004.

### DISASSEMBLY



Additional Emergency Components