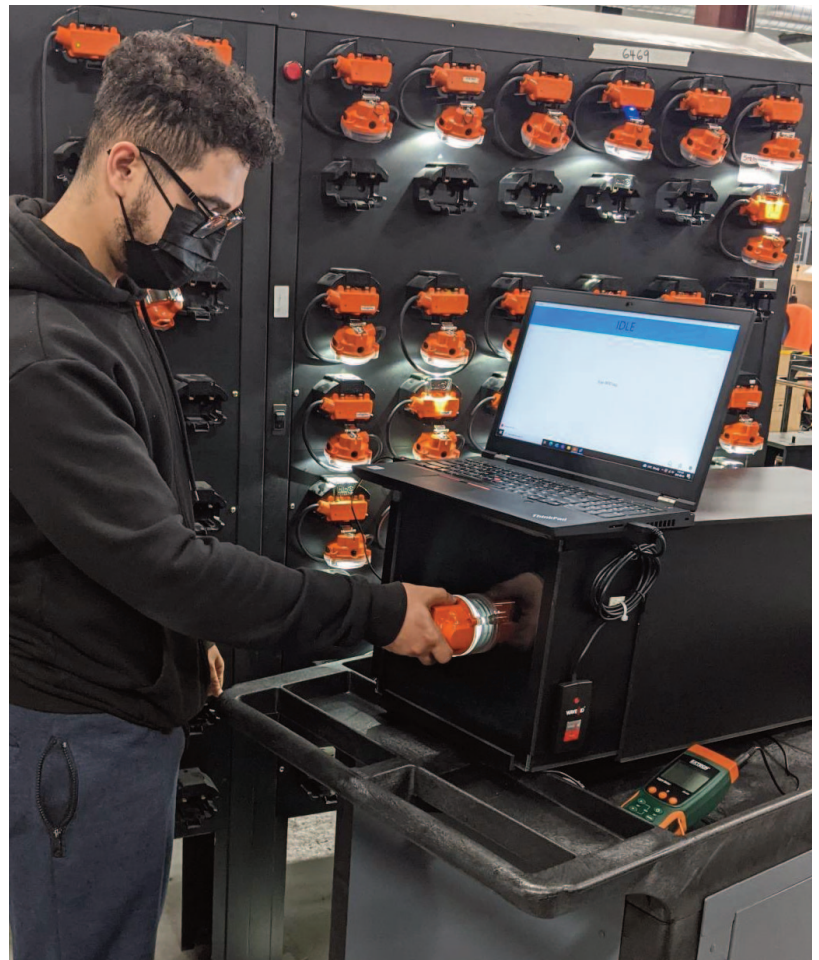# NLT Automated Cap Lamp Output Tester

Automatically test and log a lamp's light output in less than 10 seconds

Mines required to regularly test their cap lamps to ensure a minimum light output will find the NLT Automated Cap Lamp Output Tester to be an efficient and time-saving solution. The system is completely customizable to work with our customer's lamps/systems and logging requirements.

The NLT Automated Cap Lamp Output Tester provides a seamless process that logs information and provides results in a Table format which can be easily output into a report.

The software has been designed so that it is simple for an administrator to set up the basic parameters and for an employee to use with little-to-no training.

The NLT Cap Lamp Output Tester system is comprised of:

- Custom-built 1.2m-long light box
- Light meter
- RFID tag reader (optional)
- Laptop/tablet* running custom software

*laptop/tablet supplied by the customer

NLT Automated Cap Lamp Output Tester

Automatically test and log a lamp's light output in less than 10 seconds

Light Testing Process
With Optional RFID Tag

Note: To use the system without an RFID tag, the lamp's serial number needs to be entered each time prior to testing.

STEP 1

Operator scans the part of the lamp containing the passive RFID tag.

STEP 2

The first time the tag is read, the software will prompt the operator to input the unique serial number engraved on the side of the lamp. Thereafter the program will automatically recognize the lamp when the RFID tag is scanned.

STEP 3

Operator turns the light to its highest setting, placing the lamp on the glass front of the light box and shining the light on the light meter located at the back of the box.

STEP 4
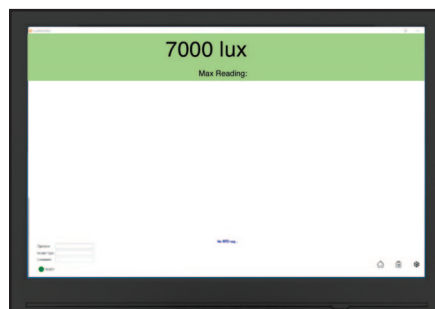
If the light output of the lamp exceeds the easily adjustable pre-set limit set up in the software, the screen will show a green banner indicating a pass and log the lamp's ID, Date, Time and Lux Reading.

STEP 5
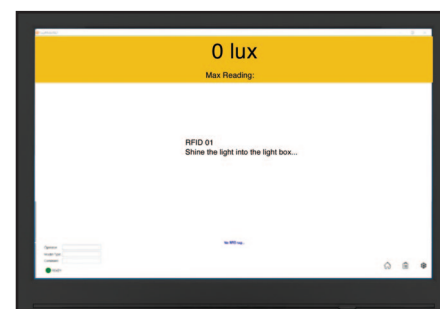
The program automatically resets and is ready for the next lamp.

ENV 1.0