The Brighter Choice

Emergency lighting

Complete Emergency Lighting Solutions

- ICEL endorsed
- 7-year warranty
- Lithium batteries
- Self-test and addressable self-test options

t: +44 (0)121 457 6340
e: sales@nvcuk.com or technical@nvcuk.com
www.nvcuk.com

Our **emergency lighting** satisfies all the stakeholders in a project

Specifiers
A complete product range, for every application area, designed and built to the highest standard

Installers
Cost-effective products, easy to install and commission

Facilities managers
7-year warranty, automated testing and e-mail alerts of any test failures

Finance managers
Low running costs and fast pay-back

End-users
Safety and peace of mind

ICEL ENDORSED
All our dedicated emergency fittings are ICEL endorsed. This means that the fittings themselves, our design and manufacturing systems and our supply chain have all been independently assessed by ICEL to meet the highest standards of performance and reliability. It doesn't get better than this.
(ICEL: Industry Committee on Emergency Lighting)

LITHIUM BATTERIES
All our emergency fittings are available with lithium batteries. These replace old nickel cadmium (NiCd) technology. They last longer, work better and are more energy efficient.

7-YEAR WARRANTY
All our emergency fittings with lithium batteries have a 7-year warranty – batteries included.

TESTING
Manual testing is still allowed, but it is the weakest link in any emergency lighting system. We have a range of self-test and addressable self-test systems suitable for the smallest through to the largest projects.

Self-test and addressable self-test are the minimum requirement on most projects today

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Lithium batteries with a **7 year warranty**

We are phasing out old nickel cadmium (NiCd) batteries and replacing them with lithium.

Here's why...

	NiCd		Lithium	
Reliability	**Low**	Depends on how they are used - No warranty	**High**	Perform well almost regardless of how they are used. **Warranted for 7 years**
Efficiency	**Low**	**Lose 20%** charge per month	**High**	**Lose just 3%** charge per month
Life-span	**Short**	**4 years** maximum	**Long**	**8+ years**

Lithium batteries matter

Lithium batteries enable you to remove the weakest link in your emergency lighting system.

The weakest link is manual testing - it is easily forgotten, often not done correctly and faults frequently remain outstanding.

Till now the cost of self-test or addressable self-test was hard to justify. The batteries were not warranted so the savings might not be realised. Now, with batteries warranted for 7 years the savings are guaranteed.

SELF-TEST
ADDRESSABLE SELF-TEST
+
LITHIUM
BATTERIES INSIDE
=
Up to
400%
ROI
OVER 7 YEARS

Lithium batteries are the most important change in emergency lighting in a generation.

Self-test emergency lighting is a great value option

Self-test emergency fittings eliminate the cost of testing. They also eliminate the risk of testing being overlooked - but they only cost slightly more than manual test fittings.

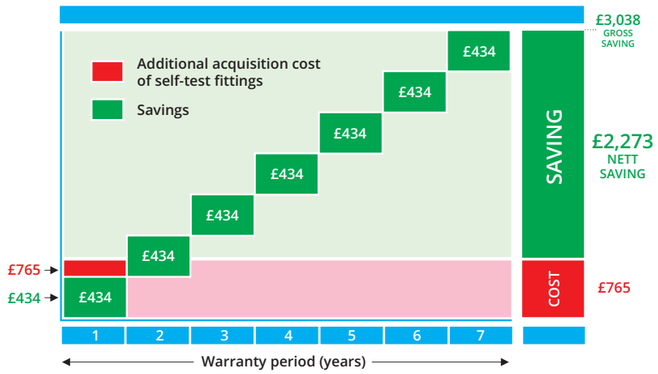
On a small project with 50 emergency fittings the extra cost of self-test was £765.

The cost of manual testing was £434 per year - but with self-test, this cost is removed.

The pay-back from self-test is less than 2 years, and the ROI is more than 400% in the warranty period.

Manual testing

Manual testing is still legal, but it is rarely best-practice. Simple self-test systems are much more reliable and, with a 7-year warranty the payback is assured.



	Manual test	*Self-test*	*Addressable self-test*
Initial purchase cost	**Lowest**	**Medium** Self-test fittings cost c37% more than manual test fittings	**Highest cost**
£ Pay-back	**Worst value**	**Excellent.** <2 years Over the warranted 7 year life the return is >3 times the outlay	**Project dependant**
Installation cost	**Medium cost** Key-switches are required	**Lowest cost** No key-switches are required and no DALI bus	**Highest cost** DALI bus required
Running cost	**Highest cost** Monthly and annual tests required	**Lowest cost** All testing is automated. Zero labour costs.	**Lowest cost** All testing is automated. Zero labour costs.
Testing reliability	**Low** Testing is easily overlooked. Individual fittings can be missed	**High** No human involvement. Fully automatic	**High** No human involvement. Fully automatic
Fault reporting reliability	**Low** Totally dependent on the tester. No scope for end-users to spot and report failures	**High** Visual and audible warnings are obvious to end-users.	**High** Visual and audible warnings, plus central reporting
System integrity	**At risk**	**Assured**	**Assured**

Self-test or Addressable Self-test?

Simple self-testing fittings are a great choice for small projects, but for larger projects an addressable system is a better choice. To make it easy, we offer 3 Addressable Self-Test solutions.

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Addressable self-test systems

We offer 3 addressable self-test solutions to suit all projects and budgets, but they all share some key features:

- All the emergency fittings are equipped with DALI emergency modules
- The emergency fittings are all linked together on a 2-wire DALI bus
- A control panel "instructs" each fitting in turn to conduct the necessary test, according to a schedule devised to suit the building occupants
- Each fitting communicates its test result back to the control panel
- The control panel alerts the responsible person by e-mail of any test failures. The system keeps a 5-year audit trail of test records and maintenance actions

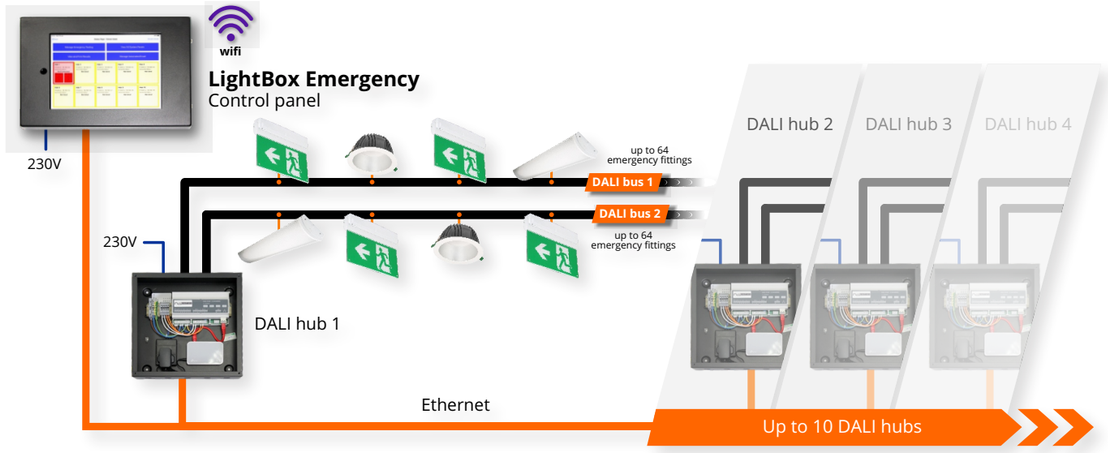
LightBox Solo

Simple to install, commission and use – LightBox Solo is our entry-level addressable system for up to 128 emergency fittings.

LightBox Emergency

LightBox Emergency is for up to 1,280 emergency fittings.

To provide the processing power for larger installations, LightBox emergency uses a tablet and hubs. This would be an ideal emergency lighting test solution for larger schools, colleges and hospitals.



LightBox

This is a fully functional lighting control system with addressable emergency test facilities for large projects. Its scalable architecture means that there is no project too big for LightBox.

LightBox would be a great solution for a university campus or a regional hospital.

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Self-test or **addressable self-test** which is better for my project?

Both solutions automate the testing process, saving money and eliminating the risk that it is not done thoroughly. However, there are big differences between them. Here are the 3 most important ones:

Test scheduling

Self-test fittings go into test mode at a randomly determined time. In many settings (such as offices) this is perfectly acceptable. In a cinema, a classroom or restaurant this would not be ideal – so here it is better to use a system that allows the test schedule to be timed to suit the building occupants.

	Self-test	*Addressable self-test*
Scheduling	NO The test schedule is random	YES The test schedule is according to the usage of the building

Recording test results

A record of the test results is required for every emergency fitting in an installation. Self-test systems require manual record keeping, our addressable self-test systems keep a record automatically.

	Self-test	*Addressable self-test*
Test records	Manual	Automatic

Reporting the test status of each fitting

At the end of a test the results must be reported. Self-test systems do this via a simple LED and buzzer that is local to each emergency fitting. Addressable systems report the results locally too, but they also send the results via the DALI network to the control panel, and this alerts the responsible person by e-mail. On large projects and complex estates this is a major advantage of addressable systems.

	Self-test	*Addressable self-test*
Test reporting	Local only	Local & via email

Self-test and **addressable self-test** are available across our product range

Emergency Signage

ARLINGTON PRO
Versatile LED exit sign with drop blade with multitude of fixing options

LEXINGTON SLIM PRO
Slim LED 3 hour maintained/ non-maintained exit box

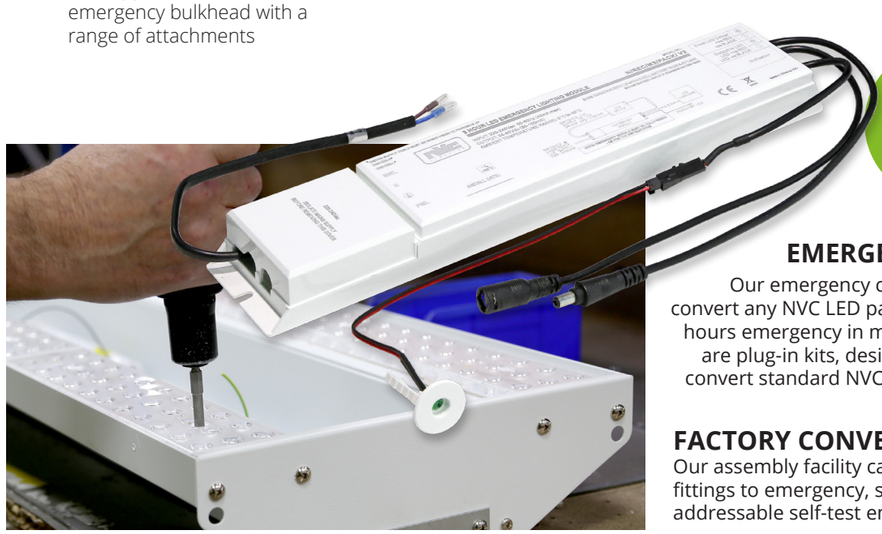
LEXINGTON PRO
LED 3 hour maintained/ non-maintained exit box

NEBRASKA PRO
ICEL approved IP65 LED emergency bulkhead with a range of attachments

SENECA SURFACE PRO
Dedicated LED emergency fittings for surface mounting

Dedicated Emergency

SENECA RECESSED PRO
Dedicated LED emergency fittings for recessed mounting



Emergency Conversions

EMERGENCY CONVERSION KITS
Our emergency conversion kits are an easy way to convert any NVC LED panel or downlight to maintained 3 hours emergency in manual or self-test versions. These are plug-in kits, designed to be used by an installer to convert standard NVC fittings to emergency as needed.

FACTORY CONVERSIONS
Our assembly facility can convert any of our fittings to emergency, self-test emergency or addressable self-test emergency.

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Carbon Neutral Britain™
CARBON NEUTRAL BUSINESS 2022

LIGHTING INDUSTRY ASSOCIATION MEMBER

FORS SILVER FLEET OPERATOR RECOGNITION SCHEME ID:012687

RELUX official member

LUMICOM MEMBER

ECA COMMERCIAL ASSOCIATE

EDA

DATA

bsi FS 690066 ISO 9001 Quality Management Systems CERTIFIED
EMS 716023 ISO 14001 Environmental Management CERTIFIED
OHS 716024 ISO 45001 Occupational Health and Safety Management CERTIFIED

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