LUX*INTELLIGENT
Training
Programme

Contents

Introduction

Our training courses are essential to helping you support and engineer LuxIntelligent products. We offer our local partners free workshops which cover not only the theory, but also applied exercises and tests. This ensures that on completing our full training programme, you will have good working knowledge of all aspects of our equipment and software packages.

Our training modules are developed to help keep you up to date with the latest products, approvals and industry standards.

Products are hitting the market every day, bringing with them new features, new hardware and software updates – it can be difficult to keep ahead of all the changes. This is why we have developed e-learning modules so you now have an easily accessible and cost-effective way of keeping up to date as changes occur.

Whilst we still recognise the importance of face-to-face product training, our e-learning modules:

- can be accessed anywhere, anytime with an active trainer and live video
- allow easy access to training without the time, cost and inconvenience of having to travel to a training centre
- make it easy for you to keep your employees updated on all the latest industry developments and so gain a simple and easy competitive advantage.

Our e-learning modules are built around workshops with a designated trainer and a maximum of 12 delegates.
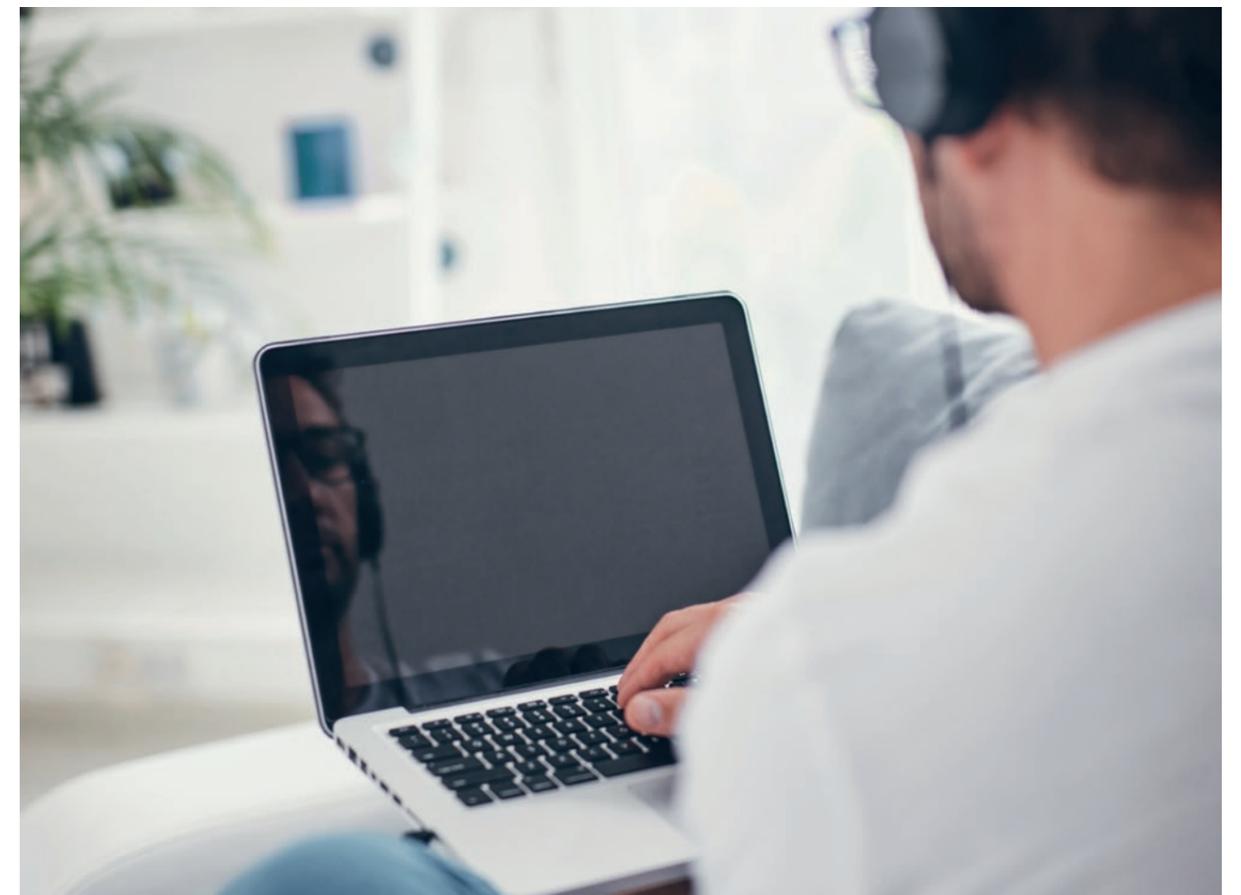
General Information

During your e-learning session, your trainer will be based in one of our purpose-built training facilities in the UK, Europe, EMEA or South East Asia.

Each centre is fully equipped to carry out simulated, multi-panel installation scenarios to help you get practical insight into how our products really work.

Small group sizes per session ensure all participants get the most from the training, with plenty of opportunity to ask questions.

Courses operate at different times of the day to suit participants from different time zones. UK sessions typically run as follows:

- **Morning sessions** from 09:00 to 12:30 (BST)
- **Afternoon sessions** from 13:00 to 16:30 (BST).

If our open courses don't meet your needs, we can, by prior arrangement, customise courses to suit you. Please note a minimum of six and maximum of 12 participants are needed for customised training.

Training courses are available for the following modules:

Module 1
Introduction to Emergency Lighting (~1 hour)

Module 2
LuxIntelligent (~1 hour)

Module 3
Panel Configuration (~2 hours)

Module 4
PC-Net Software (~2 hours)

Module 5
LAN Networking and Cloud Monitoring (~1 hour)

Training modules are built up of short units with an automated question and answer session at the end of each. Upon successful completion of all units and a pass rate of 70% or higher, a certificate will be awarded, proving competency.

	Consultant	Sales Engineer	Project Engineer	Design Engineer	Estimator	Installation Engineer	Commissioning Engineer	Maintenance Engineer	Technical Support Engineer	Facilities Management Team	Trainer
Module 1 Duration: ~1 hour	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Module 2 Duration: ~1 hour	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Module 3 Duration: ~2 hours						✔	✔	✔	✔	✔	✔
Module 4 Duration: ~2 hours	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Module 5 Duration: ~1 hour	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

We store all completed training records on a secure internal database.
*Customised courses available upon request

Our Training Team

Matt Jones
Emergency Lighting Manager

Matt joined Advanced in 2019 coming from our sister company, Apollo, where he worked as a product manager. Matt is responsible for all lighting-related business at Advanced. He is passionate about helping our customers to learn about the importance of compliance with emergency lighting regulations and to find the very best solutions to their needs.

Hanif Ghodawala
Emergency Lighting Business Development Manager

Hanif has over 20 years' experience within life safety systems – primarily in fire detection and emergency lighting. Working alongside Matthew Jones, his role is focused on driving product development and customer engagement as well as emphasising the importance of compliance with BS 5266 and the value of automatic testing systems.

Paul Duffy BEng ESDE
Technical Services Manager

Having led Advanced training and technical support since 2002, Paul is responsible for our training programme and our trainers in the UK and around the world.

Mark Taylor
Senior Technical Support Engineer

Mark joined Advanced from Kidde Products in 2006. Specialising in fire alarm CIE, Mark has a wealth of experience from installation through to systems integration.

Shaun Scott
Technical Support

Shaun joined the technical support team in 2004 having previously worked in manufacturing operations. He has been a trainer since 2008.

Nick Blackhall
Technical Support

Nick studies an HNC in Electrical and Electronic Engineering and joined Advanced in 2014. He has been training installers since 2017.

Laura Shaw
Technical Support

Laura joined Advanced as an apprentice in 2015 and holds an HNC in Electrical and Electronic Engineering.

Module 1

What is Emergency Lighting?

Duration

~1 hour.

Content

An extensive overview of what emergency lighting is and why we need it.

1.1 Legislation

1.2 Emergency lighting types

1.3 Emergency lighting testing

You will learn about:

- The main types of emergency lights
- Minimum lighting levels and where they are needed
- Real-world statistics
- The consequences of non-compliance
- The types of testing and what standards need to be met
- Testing schedules

Unit followed by a 10-minute multiple choice test contributing towards the certification scheme.

Equipment required

Laptop/PC running the latest in Microsoft Windows.

Goal

You will:

- Learn the operational principles of emergency lighting
- Gain a deep understanding of why we need emergency lighting and legislation
- Learn about different lighting types and lux levels
- Learn correct placement of emergency lighting
- Understand required testing regimes
- Understand the consequences of breaching the law.

Who is this course suitable for?

Consultants; sales, project, design, installation, commissioning, maintenance and technical support engineers; estimators; facilities managers and trainers.
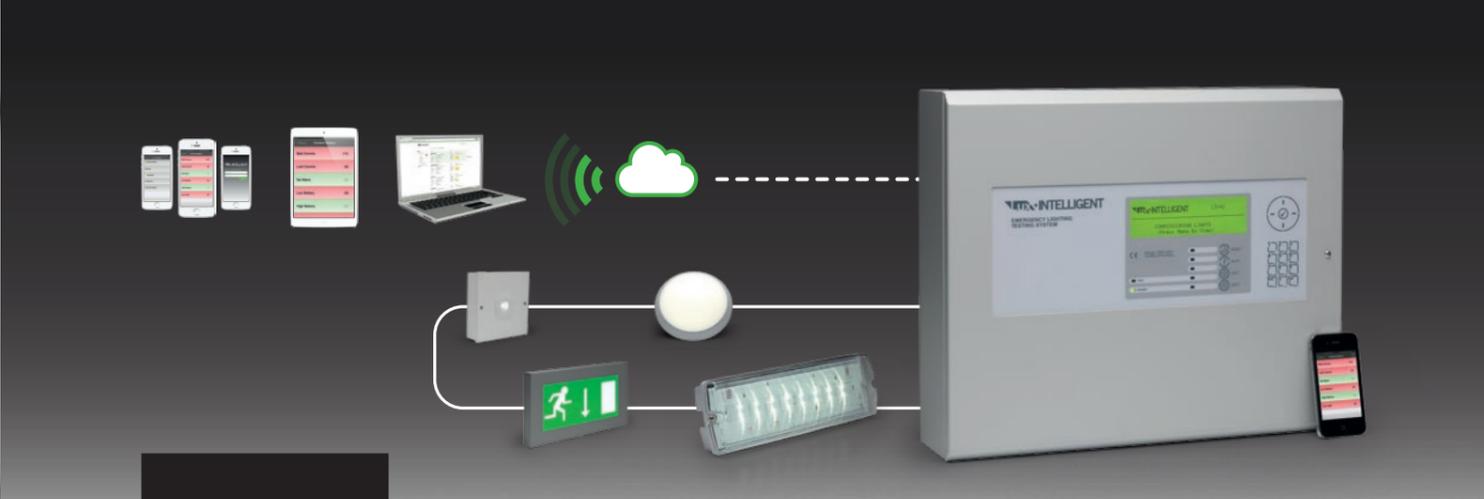
Module 2

LuxIntelligent

Duration

~1 hour.

Content

Detailed system architecture breakdown of LuxIntelligent including:

- Panel feature summary
- How our panels can integrate with lighting in many different scenarios
- Our recommended data cable
- Connection options for compliance data retrieval
- Cost-saving benefits
- Help with specification

2.1 EasySafe ultra-low voltage lighting.

A breakdown of our newest ultra-low voltage luminaires.

2.2 System configurator.

A run through of our system configurator on how to build up a system from scratch.

Questions and answers.

Unit followed by a 10-minute multiple choice test contributing towards the certification scheme.

Equipment required

None.

Goal

You will learn:

- Loop addressing
- Panel capacity
- Loop card and address slot breakdown
- Data loop cable configuration and loop lengths
- Options on how to monitor local lighting circuits
- How to retrieve compliance data from the panel in multiple ways
- The benefits of LED over fluorescent lighting
- How to calculate an average payback period of our system over a manual system
- What components to choose when building up a system.

Who is this course suitable for?

Installation, commissioning, maintenance and technical support engineers; facilities managers and trainers.

Module 3

Panel Configuration

Duration

~**2 hours.**

Content

Virtual tour of the menu structure (levels 1, 2 & 3), and how it can be navigated via the on-board controls via the virtual terminal.

The course covers the logging process of devices, testing devices and the faults that may occur during installation and maintenance.

Hands-on demonstration/programming of the following:

3.1 User logon, adding/removing devices, common faults and fault finding, including Lx-Terminal (virtual panel display):

   1) User logon
   2) Adding/removing/addressing devices (also wireless if requested)
   3) Earth faults.

Unit followed by a 10-minute multiple choice test contributing towards the certification scheme.

3.2 Device settings and test modes:

   1) Programming via panel facia (text changes, sensitivity etc.)
   2) Test mode and LxLogger reporting
      a. Live test demos
      b. Local terminal event log download.

Questions and answers.

Equipment required

None.

Goal

You will learn:

- The basics of panel operation
- Fault finding
- Manually adding/removing devices
- Test procedures
- Test group configuration
- Manual testing
- Device integrity check.

Who is this course suitable for?

Installation, commissioning, maintenance and technical support engineers; facilities managers and trainers.

Module 4

PC Net Software

Duration

~**2 hours.**

Content

Product overview presentation of configuration and logging software.

A guide to our PC software, including:

4.1 Software overview

4.2 Upload/download

4.3 Virtual terminal

4.4 Reports

4.5 Design check

Mx-Flasher (panel firmware upgrade option).

Mx-LogoTool (panel rebranding/end user logo setup).

ServiceTool/local terminal.

Unit followed by a 10-minute multiple choice test contributing towards the certification scheme.

Equipment required

Laptop/PC running the latest in Microsoft Windows.

Goal

You will learn the basics of:

- PC software functionality
- Adding and removing devices
- Device settings
- Test groups
- Zone configuration
- Proof of compliance.

Who is this course suitable for?

Consultants; sales, project, design, installation, commissioning, maintenance and technical support engineers; estimators and trainers.

Module 5

LAN Networking and Cloud Monitoring

Advanced Customised Courses

Duration

~1 hour.

Content

Understand in detail how to connect LuxIntelligent panels to the LAN (local area network), how to progress to connecting to the LuxCloud, and the benefits of being able to remotely monitor systems from anywhere.

5.1 LAN Networking

1) Understand the various scenarios of how to interlink numerous panels to a network
2) Serial to MOXA configuration
3) Monitoring from a PC.

5.2 LuxCloud Monitoring

1) Adding SyncTool to enable Cloud
2) Benefits of web and mobile app
3) System architecture examples.

Questions and answers.

Unit followed by a 10-minute multiple choice test contributing towards the certification scheme.

Equipment required

None.

Goal

You will learn:

- How to connect an existing system to LuxCloud

- What our web and mobile app offers and the information you can view

- How to generate email reports of maintenance plans or proof of compliance

- Examples of cloud architectures and how they can be useful.

Who is this course suitable for?

Consultants; sales, project, design, installation, commissioning, maintenance and technical support engineers; estimators and trainers.

Duration

By arrangement.

Content

We can create customised courses on request. Before requesting a customised training course, please consider the following:

1) What aspects of the product do you want to cover?
2) Who will be attending the training session?
3) Do any special requirements need to be addressed during the training?
4) Are there any particular programming options that we should focus on in more depth?

Note: a minimum of six participants up to a maximum of 12 must attend a customised course of this type. If training is to be held off site, a possible charge may be incurred.

Booking

To reserve a place(s) on one of the above courses, please log in to your Advanced360 account or alternatively contact **training@advancedco.com**.

Registration Details

To register for any of our training courses, create or log in to your **Advanced360 account** and go to the Training tab for further details.
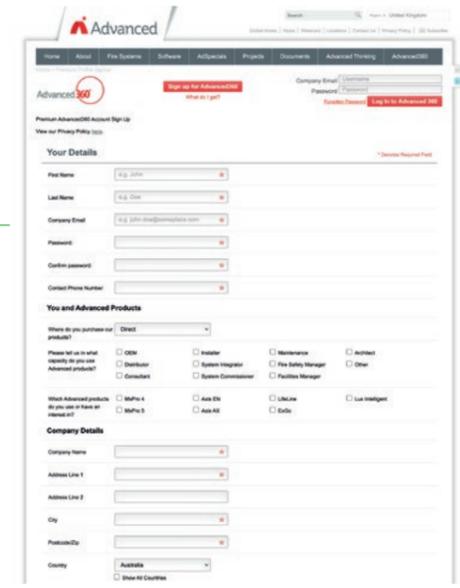
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