CORESYNC ACADEMY ❯
Lighting Alliance Manufacturers Course

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BP530: Lighting Alliance Manufacturers Course ❯

CoreSync is a complete IoT network infrastructure. CoreSync provides a cost-effective backbone for integrating disparate building functions with standard building management systems.
This training course will enable OEM lighting manufacturers to quickly and easily integrate CoreSync components into their current PoE fixture portfolio so their product line is CoreSync ready. From setting up a CoreSync lab environment to detailed process steps, this course will provide the tools needed to integrate products into a CoreSync project environment.

Course Modules:

Class Name	Class Code	Type	Duration	Prerequisite
CoreSync Overview	CS100	Online	45 min	Partner CSP Account
CoreSync PoE Infrastructure Overview	POE100	Online	45 min	CS100
CoreSync Project Overview	PRJ100	Online	60 min	CS100
CoreSync Product Overview	PRD100	Online	60 min	CS100
CoreSync Basic Environment	LAB100	Online	60 min	POE100
CoreSync Fixture OEM	OEM100	Online	60 min	PRD100
CoreSync Wire Harness	HRN100	Online	60 min	CS100

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Course Overview ❯

Modules Required to Complete the Course:
CS100, POE100, PRJ100, PRD100, LAB100, OEM100, HRN100

CoreSync Overview Module CS100

The CoreSync Overview module takes you through an introduction to Internet of Things and how CoreSync helps create smart building systems. We will talk about the features we provide at a high level and then dive into the system architecture. Lastly, we briefly talk about a CoreSync project and our expectations for success in the field.

Module includes:
· Internet of Things applications
· Lighting fixture manufacturers and alliance
· Responsibility at each level and role
· General system architecture
· Project lifespan

CoreSync PoE Infrastructure Overview Module POE100

The CoreSync PoE Infrastructure module starts by introducing Power over Ethernet through terminology and benefits. Next, we dive into the standards in detail to ensure proper background knowledge on the technology. Finally, we walk through how all of this applies to the CoreSync solution and the specific details around PoE classifications of our products.

Module includes:
· Benefits of using PoE
· PoE terminology, standards and classification
· Molex PoE infrastructure
· Power Sourcing Equipment (PSE) features within CoreSync

CoreSync Project Overview Module PRJ100

The CoreSync Project Overview Module brings the construction process to life by covering a wide variety of topics all critical to a successful project through the lens of the CoreSync solution. First, we cover understanding the project requirements and setting the project up for success by utilizing the advantages of the CoreSync system. Next, we align the project with typical roles and timelines by then finally tying the timeline back to responsibilities that ensure the project executes successfully.

Module includes:
· Determining project requirements
· The advantages of CoreSync
· Green building requirements
· Project roles and definitions
· Typical project timelines
· Project execution

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CoreSync Product Overview Module PRD100

The CoreSync Product Overview module gives an encompassing look into each and every product offered from CoreSync including any accessories need for a working solution. We start by outlining the different types of devices in the overall system and then go into great detail to each one of our products in the solution.

Module includes:
- CoreSync Software / Control Manager
- Software integration components
- Fixture enabling components
- Local control devices
- Sensors and indicators
- Special devices and interconnects

CoreSync Basic Environment Module LAB100

The CoreSync Basic Environment module gives a comprehensive outline of setting up a lab environment for testing the CoreSync solution for the first time. We walk through the basics of the CoreSync system including necessary networking components then outline step by step the process of bring all of the hardware to life in a fully functioning system.

Module includes:
- Basic architecture
- Molex devices
- Network configuration and switches
- Molex CoreSync controller
- Commissioning and operating software

CoreSync Fixture OEM Module OEM100

The CoreSync OEM module guides a manufacturer through the different phases for a fixture to become CoreSync-ready throughout each phase of design, implementation, production, and commercialization. In the design phase, manufacturers learn how to select the right CoreSync products and create a safety compliant design. In the implementation phase, manufacturers are introduced to the key points for integrating the designed products to make the fixture plug and play ready and get the fixture tested for compliance. In the production phase, we provide recommendations for testing CoreSync ready fixtures once assembled, as well as outlining how to test them in the field if necessary. In the commercialization phase, we provide guidelines on creating technical documentation for the new CoreSync Ready product.

Module includes:
- Getting started with CoreSync
- Steps to get CoreSync-ready
- NDAs and agreements
- Design and implementation
- Production and commercialization

CoreSync Wire Harness Module HRN100

The CoreSync Wire Harness module explains how to properly terminate, crimp, and validate the Micro-Fit 3.0 cable harnesses that are used in our CoreSync product lines. The information presented is for the intended use of a trained expert inside a manufacturing setting. All processes should be validated by a Micro-Fit 3.0 specialist and none of these processes are intended for field use.

Module includes:
- Introduction to the Micro-Fit Cable Harness
- Termination
- Crimping and validation

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Get started with CoreSync Academy

All our training courses are free to access and accessible 24/7 through our online Customer Support Portal.

To register for access, visit molexces.com/customer-support-portal. Along with standard registration forms, you will need to complete a mutual NDA.

Once access is granted you will gain access to a range of documentation and online support as well as access to all the course modules.

You can view the courses as many times as you wish. We will update you when courses are updated or new modules are added.

More information on CoreSync: molexces.com/solutions-overview/smart-buildings/

Register & apply for access: molexces.com/customer-support-portal

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