Luminaire Level Lighting Controls (LLLC) with Networked Embedded Controls by nLight®

A step-by-step guide to help you in addressing Luminaire Level Lighting Controls (LLLC) requirements.

Luminaires with networked embedded controls by nLight are designed, manufactured, tested, and shipped with occupancy, daylight sensors and control device pre-installed. This simplifies design layouts and eliminates field installation of control devices, while addressing code requirements.

Networked embedded controls by nLight, address the requirements of Luminaire Level Lighting Controls (LLLC), as defined by Design Lights Consortium® (DLC), International Energy Conservation Code (IECC) versions 2018 and 2021, and Northwest Energy Efficiency Alliance (NEEA). For additional information, refer to: https://www.acuitybrands.com/products/controls/embedded-controls-lllc

Option 1: Wired networked embedded controls by nLight

Specify Acuity Brands luminaires available with wired networked embedded controls by nLight. A nLight Wired control device, occupancy sensor and/or ambient light/daylight sensor is embedded within this luminaire.

- Panels, lay-ins, downlights, high bays, architectural lighting, and more…over 700 luminaire families available, see https://www.acuitybrands.com/products/luminaires-with-embedded
  Note: Downlights require external sensor(s), whether field installed or embedded within adjacent luminaire(s)

AND **for individually addressable downlights with DALI® driver,** specify DALI-2 certified nPS 80 DALI, providing nLight devices with the ability to control DALI drivers.
Note: in this application, downlights with DALI driver require external sensor(s), whether field installed or embedded within adjacent luminaire(s)

- For more details regarding the nPS 80 DALI, see https://www.acuitybrands.com/products/detail/1801992/nlight/nps-80-dali-nlight-controller-with-dali-protocol

OR **for non-Acuity Brands luminaires** - Specify luminaires available with wired networked embedded controls by nLight. A nLight Wired control device, occupancy sensor and/or ambient light/daylight sensor is embedded within this luminaire.

- For more details regarding luminaires available from other manufacturers, please contact your local lighting agent https://www.acuitybrands.com/support/how-to-buy

Option 2: Wireless networked embedded controls by nLight

Specify Acuity Brands luminaires available with wireless networked embedded controls by nLight. A nLight AIR control device, occupancy sensor and/or ambient light/daylight sensor is embedded within this luminaire.

- Panels, lay-ins, downlights, high bays, architectural lighting, outdoor area and site lighting, and more…over 700 luminaire families available, see https://www.acuitybrands.com/products/luminaires-with-embedded
  Note: Downlights require external sensor(s), whether field installed or embedded within adjacent luminaire(s)

OR **for non-Acuity Brands luminaires** - Specify luminaires available with wireless networked embedded controls by nLight. A nLight AIR control device, occupancy sensor and/or ambient light/daylight sensor is embedded within this luminaire.

- For more details regarding luminaires available from other manufacturers, please contact your local lighting agent https://www.acuitybrands.com/support/how-to-buy

☑ **For typicals and product references, get IECC, ASHRAE, Title 24 and more Application Code Guides available at** https://nlight.acuitybrands.com/resources/app-guides

Did you known the nLight lighting controls platform provides interface capabilities to DALI or DMX?

For applications with individually addressable luminaires with DALI drivers
Specify DALI-2 certified nPS 80 DALI, providing nLight devices with the ability to control DALI drivers.

- For more details regarding the nPS 80 DALI, see
  https://www.acuitybrands.com/products/detail/1801992/nlight/nps-80-dali/nlight-controller-with-dali-protocol

For applications requiring communication via DMX
Specify nLight® Snapshot Controller, providing two-way communication between DMX and nLight platform.

- For more details regarding the nLight Snapshot Controller, see https://www.acuitybrands.com/products/detail/1743347/nlight/nlightr-snapshot-controller/dmx512-and-sacn-controller-npwdmx

Did you know the nLight lighting controls platform provides integration capabilities to third-party interfaces and building management systems?

Specify nLight® ECLYPSE™ APEX, providing BACnet/IP, BACnet MS/TP and documented RESTful API for IP-based data integration into third-party interfaces.

- For more details regarding the nLight® ECLYPSE™ APEX, see
  https://www.acuitybrands.com/products/detail/1717090/nlight/nlightr-eclypset-apex/nlight-system-controller

☑ **For additional information, visit** https://nlight.acuitybrands.com/ **or contact your local lighting agent** https://www.acuitybrands.com/support/how-to-buy