
IDOO.LINE

POWER OVER ETHERNET (PoE)

SUSPENDED DIRECT/INDIRECT LUMINAIRE



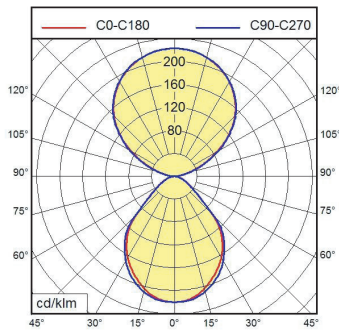
IDOO.line, Waldmann's LED direct/indirect suspended linear luminaire, is available in a single or modular system of standard 4ft or 8ft sections interlinking using different start, middle and end luminaires for creating light lines up to 60 feet. Featuring efficiency-boosting reflection technology and a conical prismatic screen, IDOO.line ensures uniform illumination of the workspace. The luminaires are also maintenance-friendly due to easy access to the driver, mechanical

and electrical connections, and not requiring tools. With Power over Ethernet, the IDOO.line's data is accessed via software and the light's dimming, timing, sensors, light color, and daylight harvesting can all be easily controlled. LUM CONNECT VTL, biodynamic light control, that mimics the changes in sunlight that occur with the course of the day, can also be implemented with this fixture.

suspended direct/indirect luminaire IDOO.line

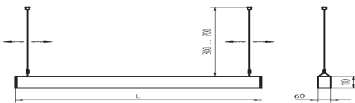


Luminous Intensity



- fitted with LED
- work equipment Molex | CoreSync
- connected load PoE
- power consumption approx. 12.5 - 52 W
- luminous flux approx. 1500lm - 6000 lm
- luminous efficacy approx. 119 lm/W
- light distribution direct/indirect
- direct ratio 40 % direct, 60% indirect
- light color 3000K, 3500K, 4000 K, VTL (2700-5700K)
- color rendering index (CRI) > 80
- consistent white light of < 3 SDCM
- glare-free conical prismatic screen
- luminance < 2600 cd/m²
- unified glare rating < 16
- system of protection IP 40
- technology power over ethernet
- usage internal PoE Driver
- luminaire body sectional aluminium
- lamp cover acrylic clear
- weight (net) approx. 3.3 kg, (7.27 lb) - 7.5 kg (16.53 lb)
- mains lead fastening approx. 1,0 m, 3.28 ft; with free stranded wires
- fastening steel cable 0.3 - 0.7 m, (1 - 2.3 ft)
- dimension nominal 2ft, 3ft, 4ft, 5ft, 8ft, linear-x

POE	- ID	L	-	-	-	-
Voltage	Distribution	Mounting	Length	Sensor	CCT	Color
Power over Ethernet - POE	Indirect/Direct - ID	Linear Pendant - L	(Nominal) 2 foot - 2 3 foot - 3 4 foot - 4 5 foot - 5 8 foot - 8	None = N	3000K - 35 3500K - 35 4000K - 40 2700 - 5700K - VTL*	White - W Black - B Gray - G
Dimensions (mm)		LNx - enter x feet in increments of 2ft (Consult factory)		*(Only available in 4ft increments)		

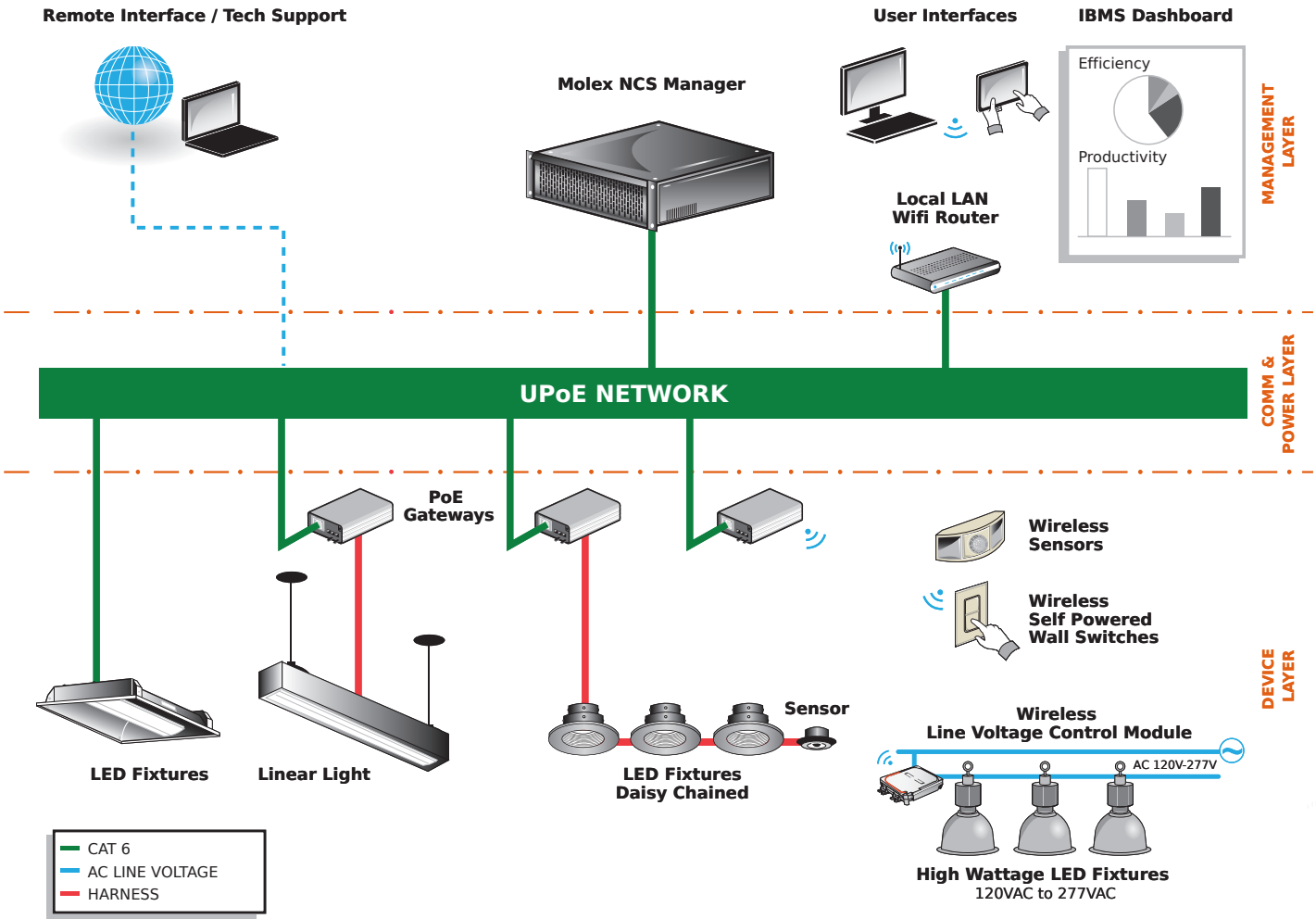


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Waldmann **W**
 ENGINEERS OF LIGHT

SYSTEM ARCHITECTURE



WHY PoE LIGHTING?

- Power and data over single-layer infrastructure
- Safe and cost effective to install
- Based on Ethernet standard
- Future proof and upgradable
- Human centric control with tunable luminaires
- Lights can be used to communicate information to users
- Can be integrated with other systems
- Highly secure
- Creates the possibility for new data analytic schemes



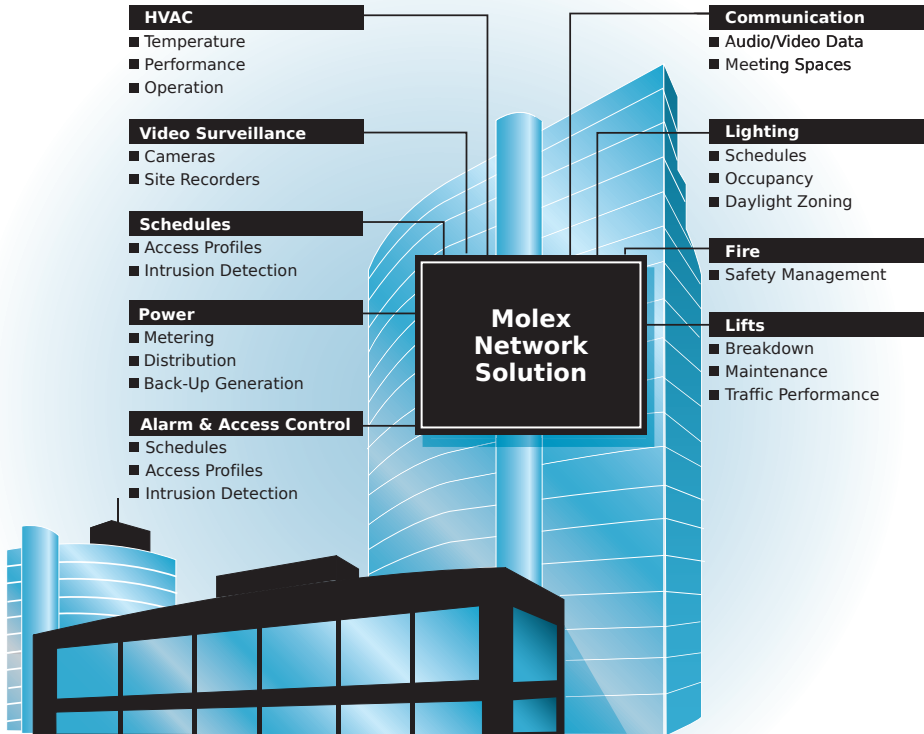
A NEW LIGHTING PARADIGM >

Lighting as a Service for Integrated Smart Buildings

The ability to migrate lighting controls to IP-based infrastructure makes lighting a service and an IoT building asset that can be controlled synergistically along with other building functions.

More integration means not only better control, but also more data and information being collected by a distributed sensor system as part of the lighting network.

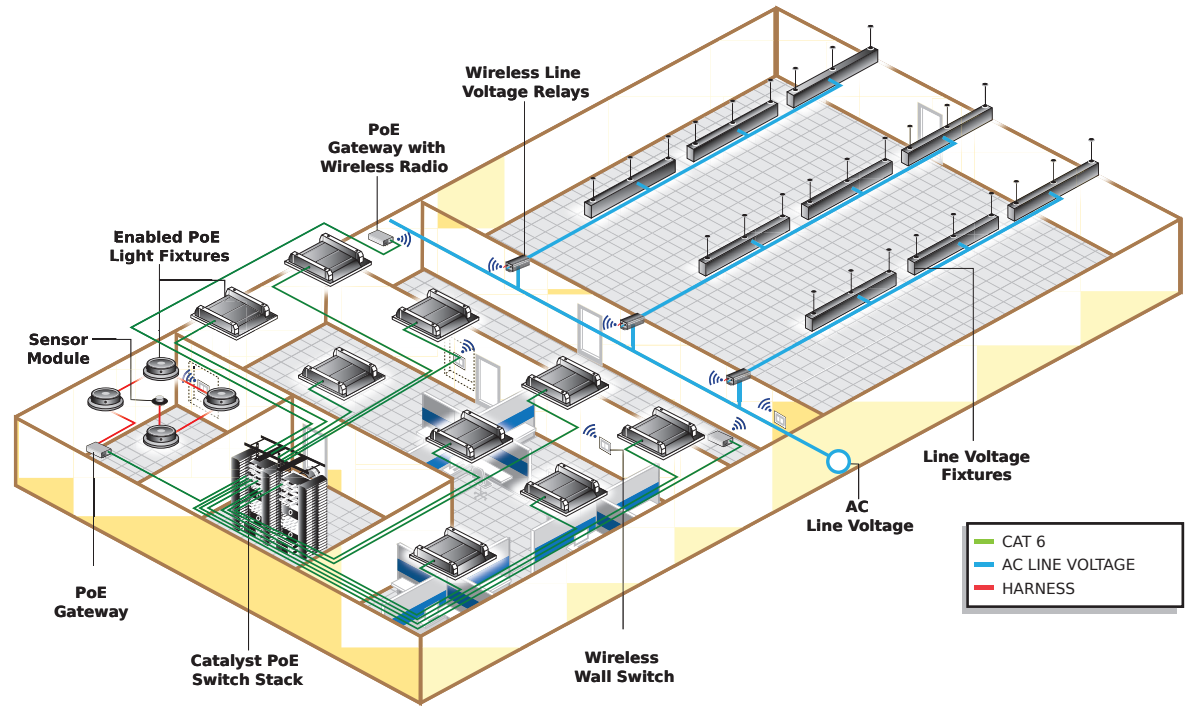
Molex Network Connected Lighting will dramatically accelerate the integration of the IoT into commercial buildings.



WHY MOLEX: Together with leading construction engineering firms, Molex designs and optimizes solutions to improve operational efficiency and performance and to enhance occupant experience and productivity in offices, learning or healthcare facilities, hospitality, retail settings, industrial buildings, and others.

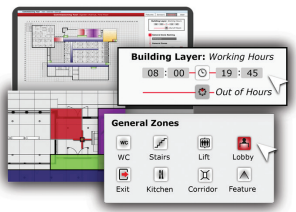
In the important area of LED lighting, we have worked with lighting fixture innovators and leaders, lighting designers and architects to develop connected solutions that define a new level in sustainability, ROI, property value and brand recognition.

SYSTEM ARCHITECTURE >



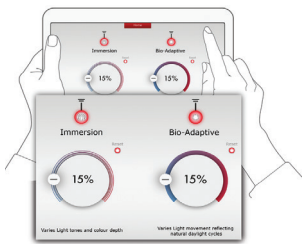
Smart Building Manager

DESIGN



Define spaces
Fixtures
Sensors
Create zones
Schedules

CONTROL



Responsive control
Dynamic scenes
Intuitive user interfaces

MANAGE



Live data feedback
Light status
Building overview
User zones

REPORT



Energy savings
Occupancy status
Building analytics

A FULL SYSTEM SOLUTION WITH THE NCS ALLIANCE

LIGHTS

The freedom to choose from a large variety of Waldmann CoreSync-ready lighting fixtures through our Alliance Partnership with the Molex CoreSync Connected Solutions PoE system offers unique flexibility to meet lighting requirements without compromising aesthetics.



GATEWAYS

At the heart of the Molex CoreSync Connected System, the PoE Gateway distributes power and connects luminaires, sensors and other devices to the CoreSync Manager. Each Gateway is connected to a Cisco® switch port with a Category cable, capable of receiving 60 watts using four pairs.

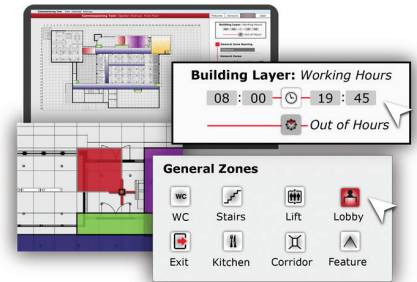


NETWORK EQUIPMENT

As a Cisco® Solution Technology Integrator, Molex integrates Cisco switches into the system.

NCS MANAGER

The Lighting Software Tool-set, leveraging amBX Smart Core technology, provides support during the complete lifecycle of a smart lighting control system, from design and installation to live operation and building maintenance. When compared to traditional methods, the Light Tool-set provides effective lighting in a fraction of the time.



SENSORS

Molex's Lighting Control provides an array of applications that enable the digital building. These applications feed multi-sensor information and data to a central host providing building analytics and applications: real time energy consumption, light status, temperature and humidity, occupancy, air quality, plus many more use cases.



LUX LEVEL



PRESENCE



AIR QUALITY



POWER



COLOR TEMP



ON/OFF



TEMPERATURE & HUMIDITY

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