
IDOO.PENDANT

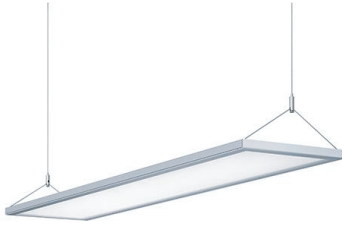
POWER OVER ETHERNET (PoE) SUSPENDED LUMINAIRE



IDOO.pendant, Waldmann's suspended direct/indirect luminaire with a strikingly slim profile, provides both uniform, glare-free illumination at the workstation and comfortable ambient light throughout the entire space. The ability to connect several fixtures in a continuous row adds diversity to this sleek, understated fixture. Edge light and light-guide technology offer soft, even luster at the light source. The indirect light source features a batwing diffuser that allows for a wide-beam light distribution.

The operating device is integrated within the luminaire making mounting and installation simple. Powered over Ethernet, the IDOO.pendant's data is accessed via software and the light's dimming, timing, sensors, light color, and daylight harvesting can all be easily controlled. The Waldmann LUM CONNECT VTL, a biodynamic light system that mimics the changes in sunlight that occur with the course of the day, can also be implemented with this fixture.

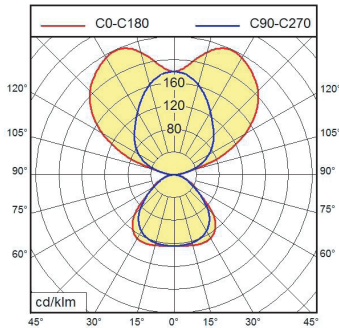
Suspended luminaire ID00.pendant



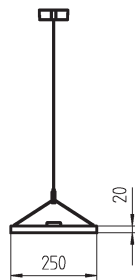
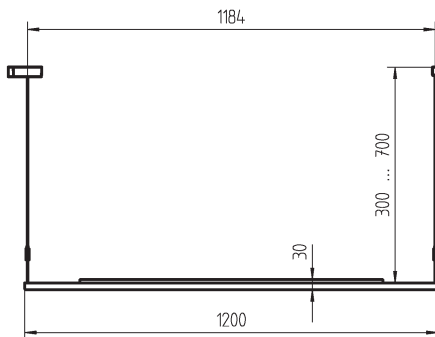
fitted with
work equipment
connected load
power consumption
luminous flux
luminous efficacy
light distribution
direct ratio
light color
color rendering index (CRI)
consistent white light of
glare-free
luminance
unified glare rating
system of protection
technology usage
luminaire body
lamp cover
weight (net)
mains lead
fastening
special features

LED
Molex
PoE
approx. 49 W
approx. 6000 lm
approx. 143 lm/W
direct/indirect, single circuit
approx. 33 %
3000K, 4000K, VTL (2700K-6500K)
> 80
< 3 SDCM
conical prismatic screen
< 2500 cd/m²
< 16
IP 20
Molex PoE ready
internal PoE driver
white
acrylic clear
approx. 7.5 kg (16.5 lbs)
approx. 1.0 m (3.3 ft); with free stranded wires
steel cable 0.3 - 0.7 m (1 - 2.3 ft)
edge lit down light , indirect light with bat wing
distribution, PoE, single circuit, ETL/cETL approved

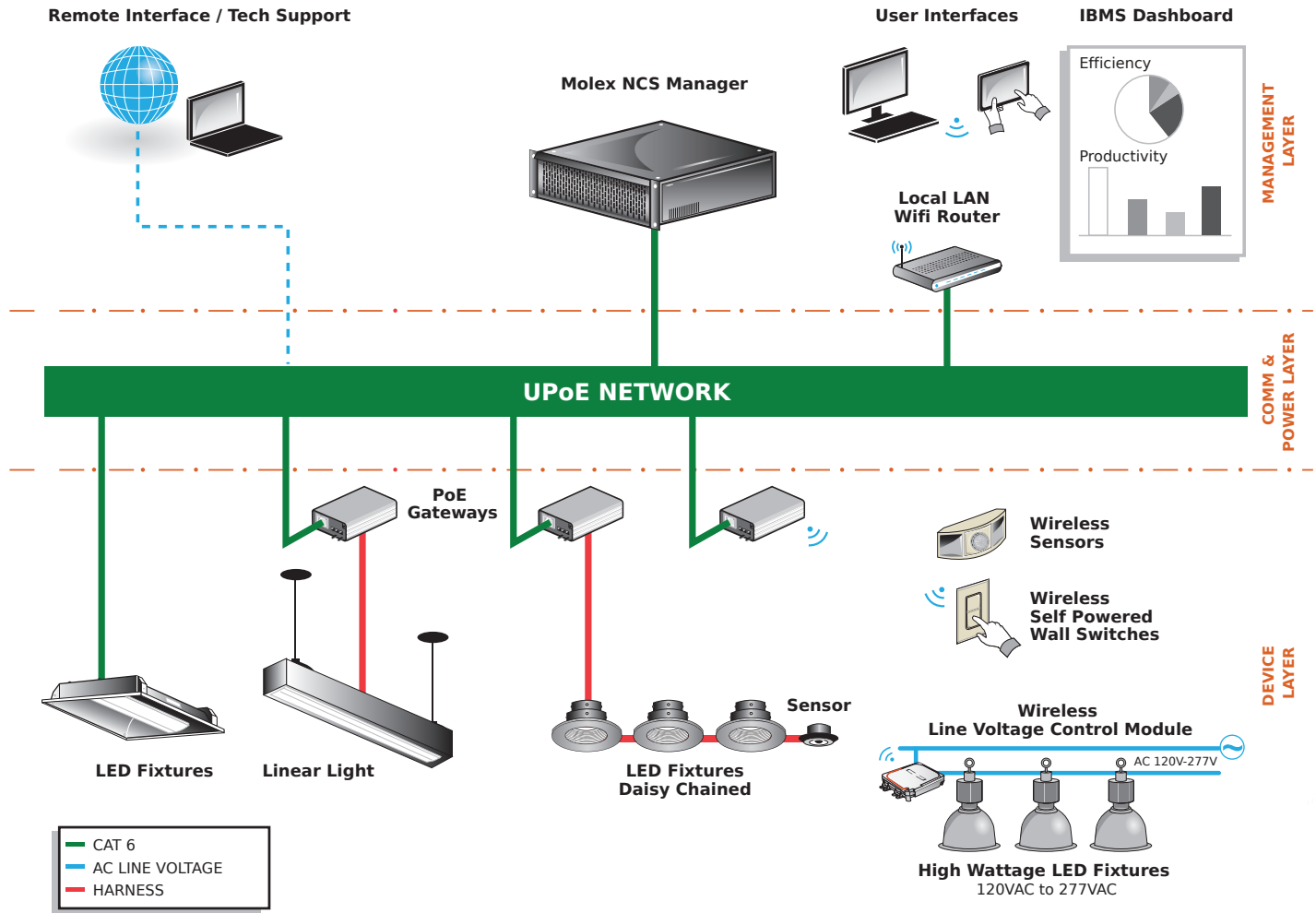
Luminous Intensity



POE	ID	P			W
Voltage Power over Ethernet - PoE	Distribution Indirect/Direct - ID	Type Pendant - P	Length Stand Alone - SA	CCT 4000K - 40 2700 - 6500K - VTL	Color White - W
			Linkable -LNx increments of 4ft (consult factory)		



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



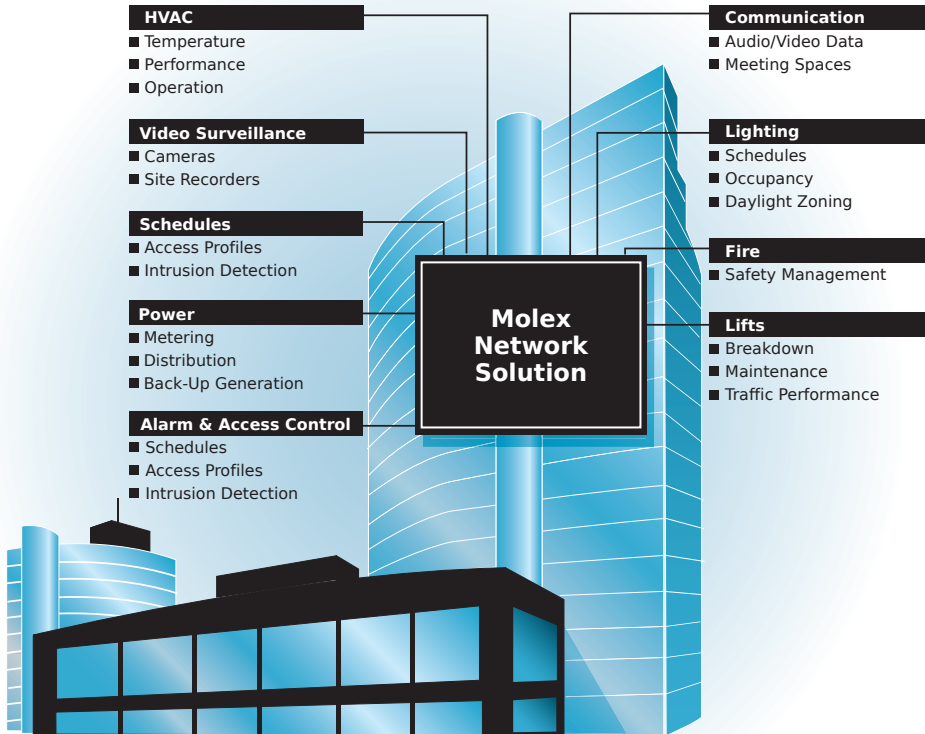
A NEW LIGHTING PARADIGM >

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.

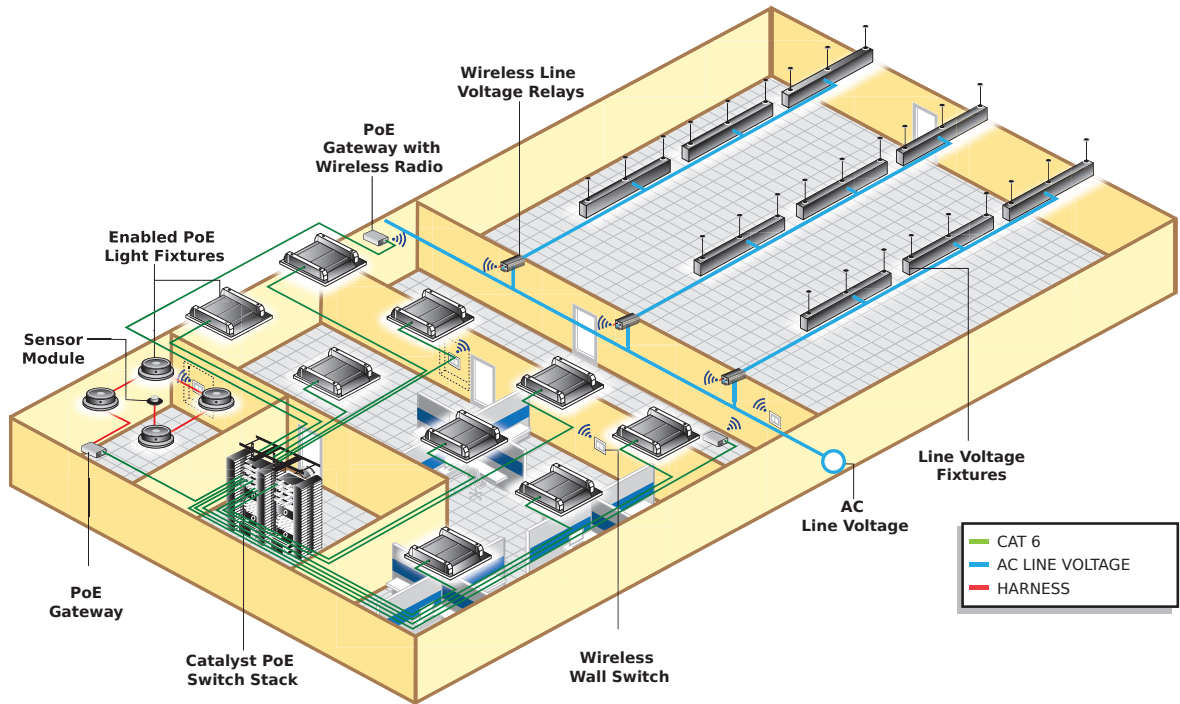
Molex Network Connected Lighting will dramatically accelerate the integration of the IoT into commercial buildings.



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.

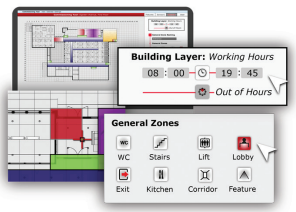
In the important area of LED lighting, we have worked with lighting fixture innovators and leaders, lighting designers and architects to develop connected solutions that define a new level in sustainability, ROI, property value and brand recognition.

SYSTEM ARCHITECTURE >



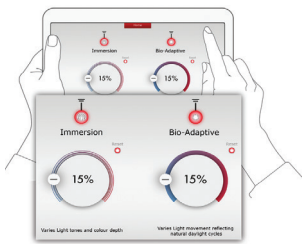
Smart Building Manager

DESIGN



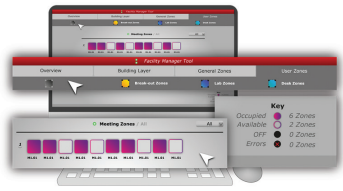
Define spaces
Fixtures
Sensors
Create zones
Schedules

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 NCS-ready lighting fixtures through our Alliance Partnership with the Molex Network Connected Solutions PoE system offers unique flexibility to meet lighting requirements without compromising aesthetics.



GATEWAYS

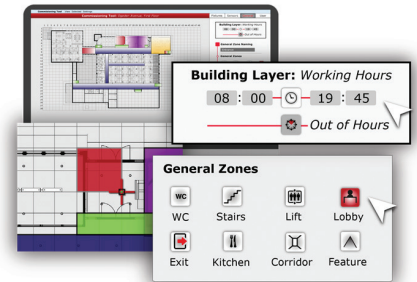
At the heart of the Molex Network Connected System, the PoE Gateway distributes power and connects luminaires, sensors and other devices to the NCS Manager. Each Gateway is connected to a Cisco® switch port with a Category cable, capable of receiving 60 watts using four pairs.

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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Waldmann **W**

ENGINEER OF LIGHT.