

VIVAA

POWER OVER ETHERNET (PoE) SUSPENDED LUMINAIRE



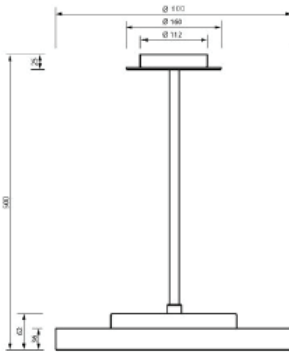
Waldmann's VIVAA suspended luminaire features classic design and sleek simplicity, reminding us that power can be elegant. VIVAA is a proud winner of the esteemed Red Dot Award 2015, recognized internationally as the highest award for excellence in product design. Premium LEDs combined with a light-enhancing microprism optic provide even, glare-free lighting while using a minimum amount of power. Corridors, entryways and other areas are bathed in warm, welcoming light.

The high indirect light brightens walls and visually widens narrow rooms. It is also ideal for rooms with particularly low or sloped ceilings. Powered over Ethernet, VIVAA'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.

ceiling suspended luminaire VIVAA

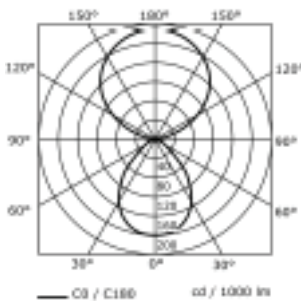


Dimensions



fitted with	6 x LED module
light distribution	40% direct / 60% indirect
Color Rendering (CRI)	> 80
color temperature	3000K, 4000K, VTL (2700-6500K)
work equipment	PoE
connected load	Molex
mains lead	direct power supply
luminaire body	stainless steel
weight (net)	4.3 kg (9.5 lbs), 8.1 kg (17.9 lbs)
power consumption	50 W
luminous flux	5000 lumens
lamp cover	satine white acrylic (PMMA), CDP micro prism
class of protection	I
accessory	light diffusing foil
norms	ETL/cETL
room height	ceiling drop 10- 50 cm (.32ft - 1.6 ft)
special features	PoE connected lighting system
fastening	ceiling fastening (pendant)
system of protection	IP 20

VIVAA	-	C	-	-	-	POE	-	SS				
Type		Mounting		Distribution		Diameter		CCT		Voltage		Color
		Ceiling - C		Indirect/Direct -		400mm - 400		3000K - 35				Stainless Steel
		Luminous Intensity		ID		600mm - 600		4000K - 40				- SS
				Direct - D				2700 - 6500K - VTL				



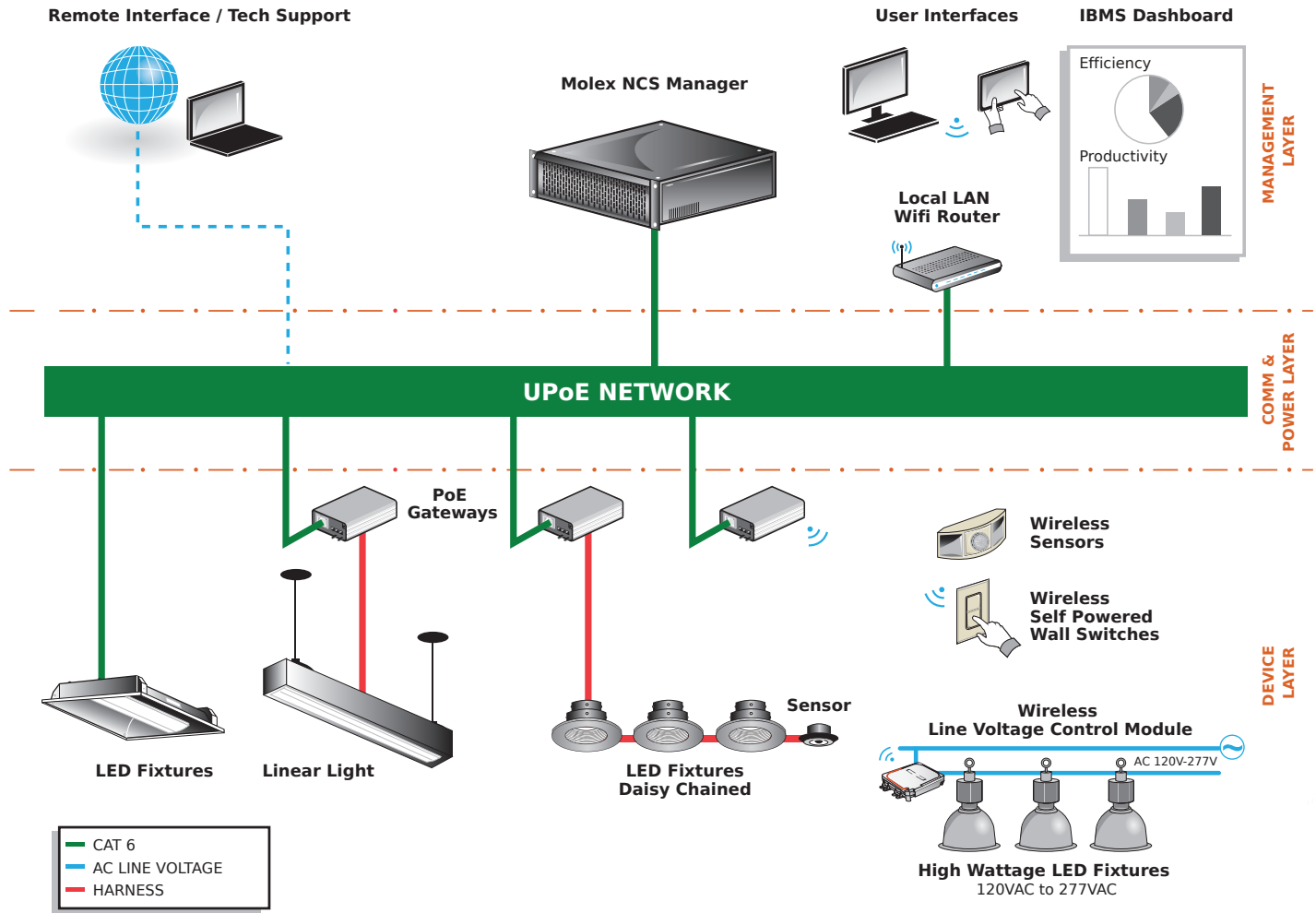
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SYSTEM ARCHITECTURE



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



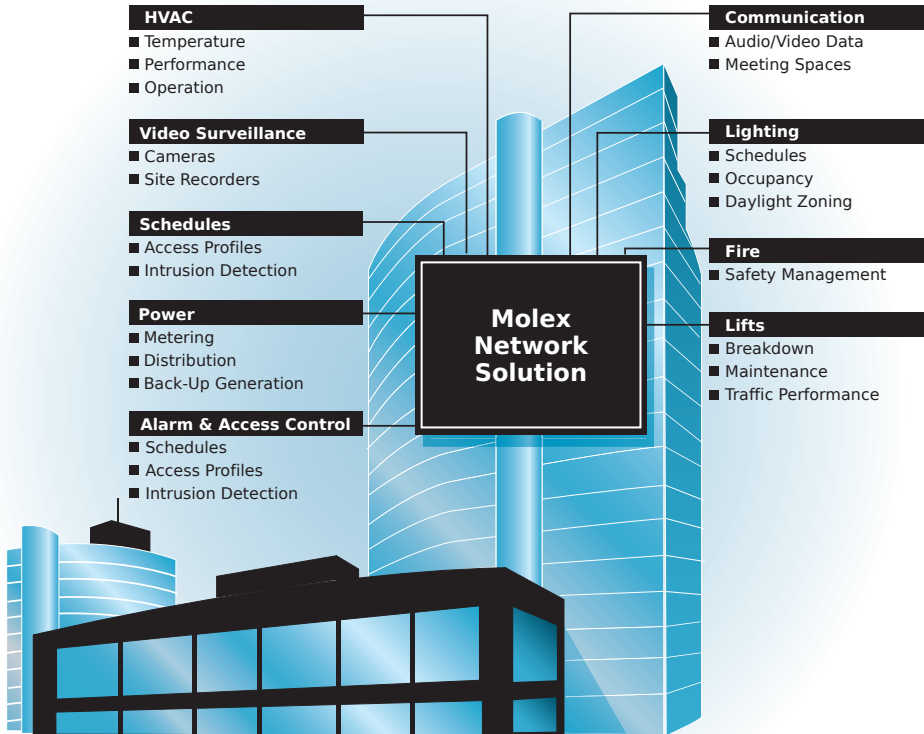
A NEW LIGHTING PARADIGM >

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.

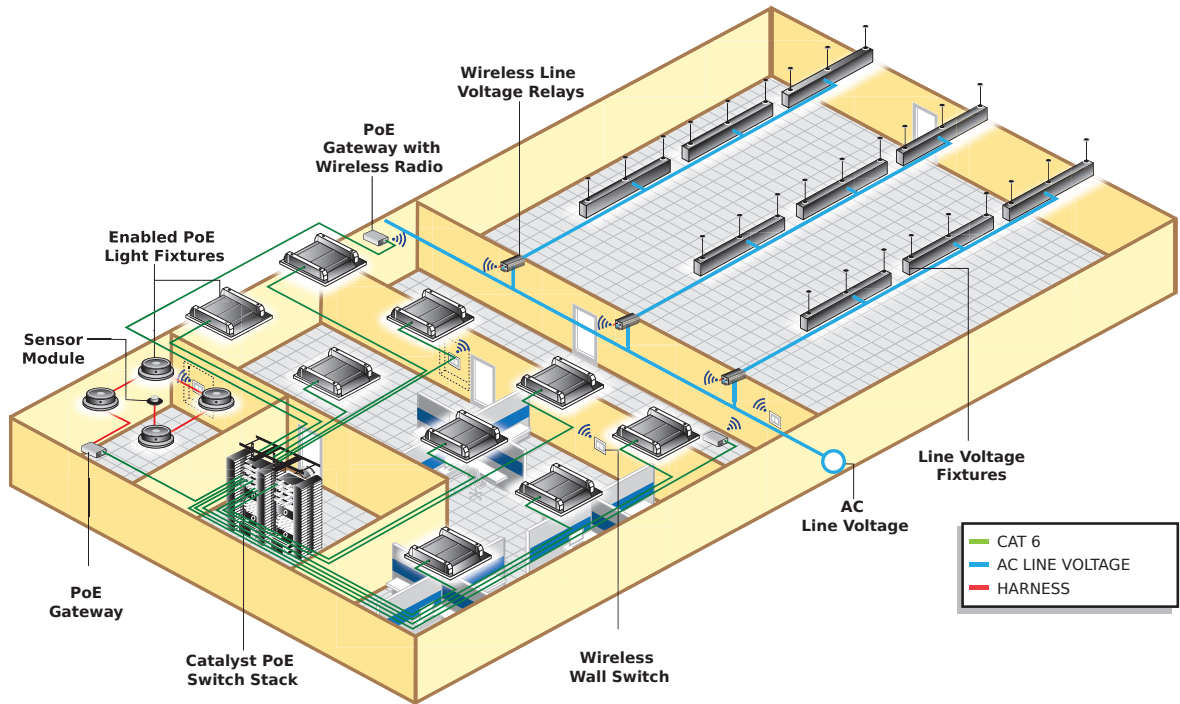
Molex Network Connected Lighting will dramatically accelerate the integration of the IoT into commercial buildings.



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.

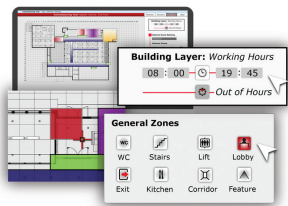
In the important area of LED lighting, we have worked with lighting fixture innovators and leaders, lighting designers and architects to develop connected solutions that define a new level in sustainability, ROI, property value and brand recognition.

SYSTEM ARCHITECTURE >



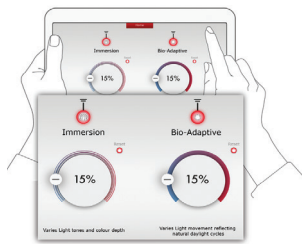
Smart Building Manager

DESIGN



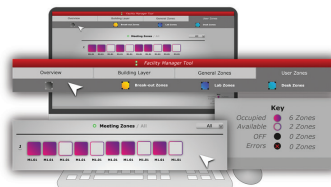
Define spaces
Fixtures
Sensors
Create zones
Schedules

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

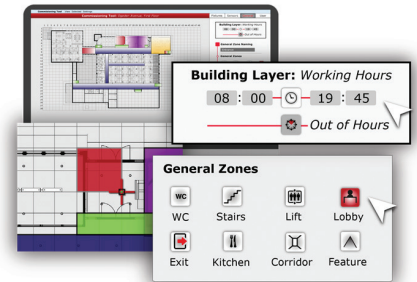
At the heart of the Molex Network Connected System, the PoE Gateway distributes power and connects luminaires, sensors and other devices to the NCS Manager. Each Gateway is connected to a Cisco® switch port with a Category cable, capable of receiving 60 watts using four pairs.

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.