

USAI[®]
Lighting



POWER OVER
ETHERNET

A New Way to Integrate Lighting

Power Over Ethernet Lighting

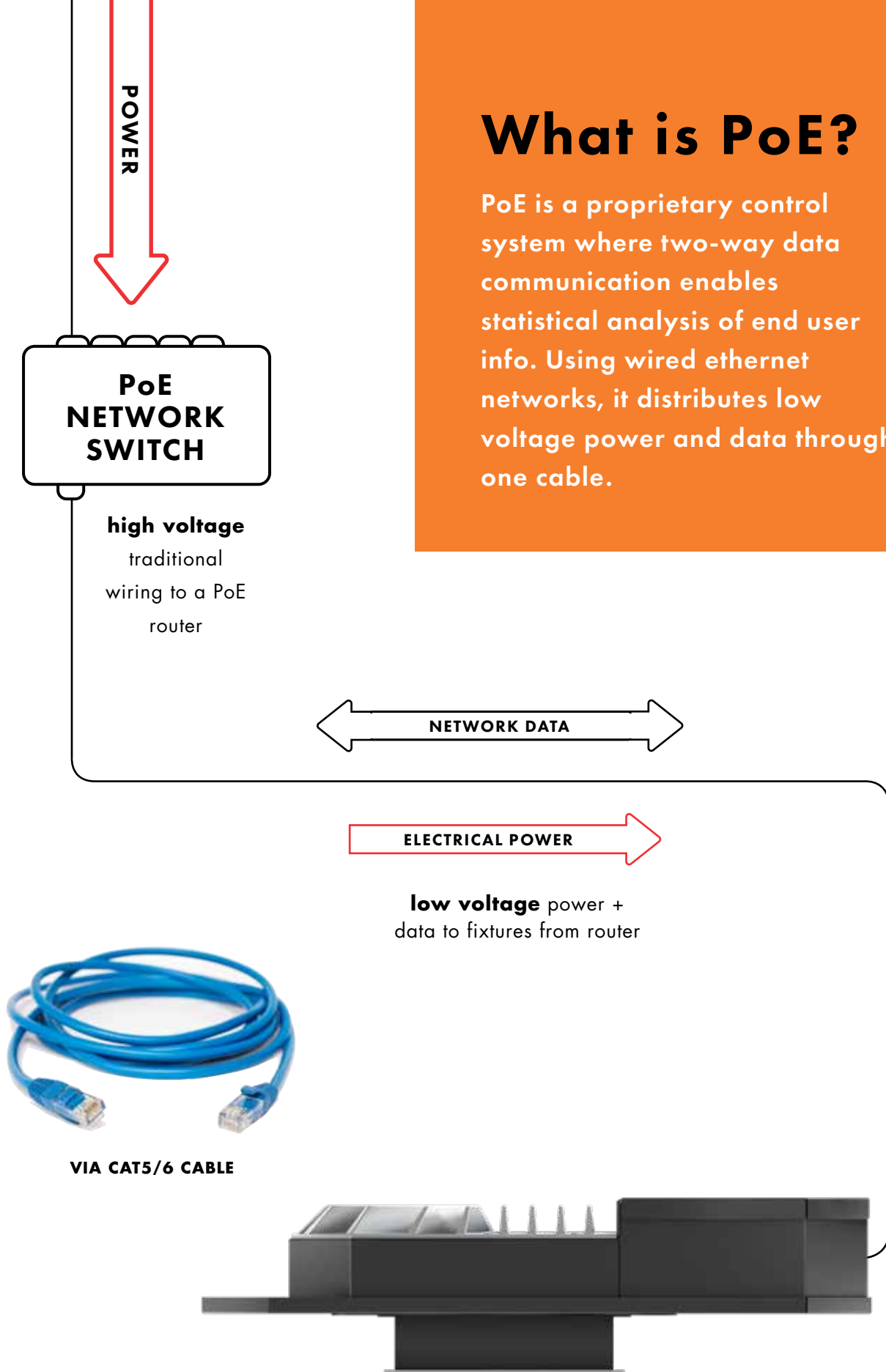
Power over the Ethernet (PoE) projects are gaining momentum with smart building solutions focusing on collecting data points and feedback, energy efficiency and sustainability goals.

USAI Lighting has successfully completed many thousands of square feet of **PoE** lighting installation and has a growing list of projects in various planning stages. We can offer the guidance specifiers need with the proven experience to ensure successful outcomes with the quality and high-performance products you've come to rely on – with compatibility to all major **PoE** providers.



What is PoE?

PoE is a proprietary control system where two-way data communication enables statistical analysis of end user info. Using wired ethernet networks, it distributes low voltage power and data through one cable.



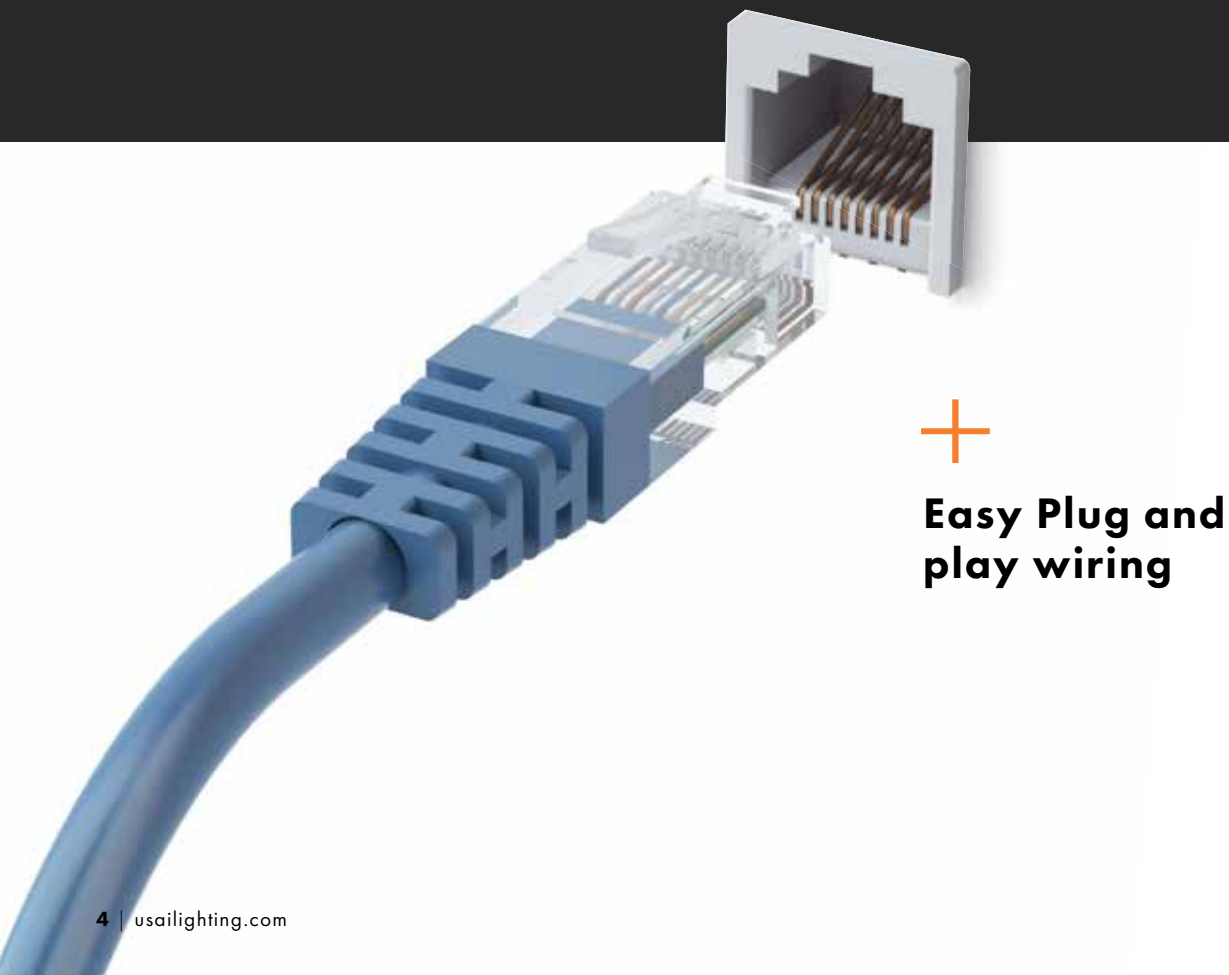
High Power PoE = 90W-100W per string (71W lighting load)

uPoE = 60W per string (51W lighting load)

Why PoE?

Benefits and features include:

- Plug and play wiring– simply push to make connections
- No junction boxes or metal conduits required
- Simplified wiring – CAT cables are already used on the jobsite
- Low voltage class II wiring – wiring and install by network administrators
- Digital assignments of control zone, independent of physical wire connections
- Total building integration provides centralized commissioning of dimming level presets and sensors



Project: MIQ
Architect: Sydness Architects
Photograph: Jon Nissenbaum



USAI Lighting's PoE-Ready Products

Easy to specify and available on our website, USAI offers a complete collection of internet-connected, plug-and-play **PoE** products including: **BeveLED Mini®**, **BeveLED® 2.2**, **BeveLED Mini® Cylinder** and **BeveLED® 2.2 Cylinder Families**. We continue to add to our offerings. Ask the USAI Lighting team for other fixture styles.

Source: LED

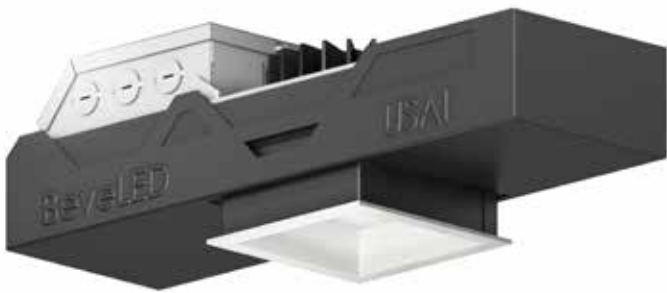
Aperture: 3", 4.5"

Source Lumens:
1150 – 2475lm

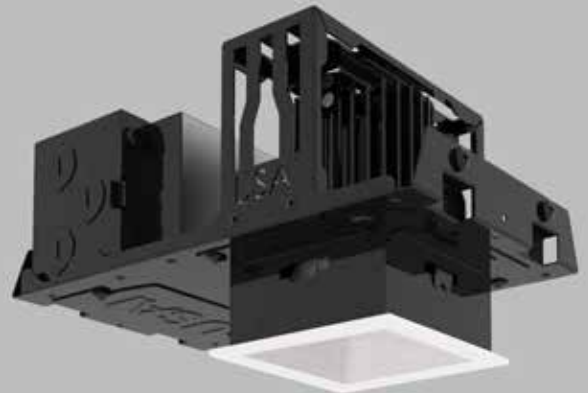
Delivered Lumens:
775 – 2050lm

Wattage:
9W – 24W

Beamspreads:
20° - 90°, WW



BeveLED 2.2 PoE



BeveLED Mini PoE



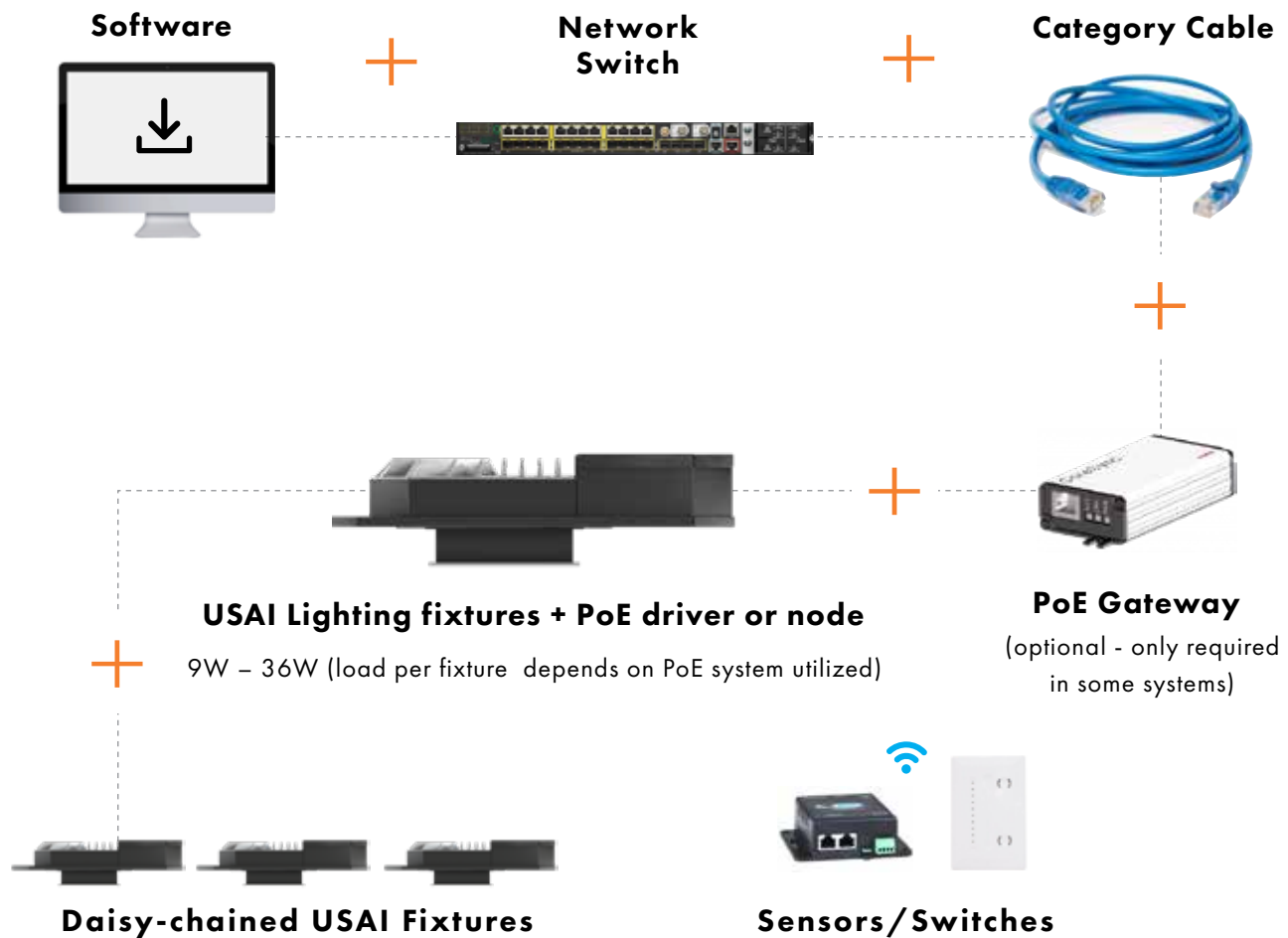
BeveLED 2.2
Cylinder PoE



BeveLED Mini
Cylinder PoE

How It Works?

All devices are networked and powered using a standard ethernet cable with multiple light fixtures daisy chained and connected to switches and sensors.



USAI Lighting works with all major PoE providers including:

If you don't see your PoE provider here, contact us!

igor

PLATFORMATICS

molex

smartengine | wtec



Let's partner together on your next PoE project.

We have the products, the support,
and ample experience to help
you complete the job successfully!

@usailighting



usailighting.com

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CALL, EMAIL, OR VISIT [USAILIGHTING.COM](https://usailighting.com) TO LEARN MORE ABOUT POE

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