



## How OLED Light is our Solution to the Winter Blues and Sunday Scaries – A Case Study

### Acuity Brands Luminaires:

Olessence™, Trilia™, Canvis™, Aedan™ WM

### Contractor:

Hamilton Stern Construction, LLC

### Lighting Designer:

Point Source Group, Inc.

### Installation Site:

QCI Asset Management

### Overview

QCI Asset Management is a forward-facing financial services firm out of Pittsford, NY. With over 40 years of helping their customers achieve financial goals, QCI has sustained success by investing in their people. As they looked to grow into a new office space, it was important that it felt 'state-of-the-art' and 'clean': a high-tech, uncluttered look that reflects their focus on leading edge, disciplined practices.

"When we started thinking about the design of our new space, we knew we wanted a cool, modern look," explained Ed Shill, President and CEO at QCI Asset Management, Inc., "but, I also wanted to be good to our employees and provide a healthy environment. We had LED lights in our old office, but they were brutal – the glare, the potential harmful effects to your eyes. We want happy employees and a space that fosters that mindset."

### Researching a healthy lighting approach

As QCI set out to achieve their lighting goals with their new space, they knew they wanted to move toward more comfortable and inviting lighting. Ed learned about OLED lighting and started doing his research.

"The price differential was pretty small when you compare OLED lighting to LED lighting, it practically rounds to zero" stated Shill. "And then when you learn about the health benefits of OLED lighting, it's a no brainer. It's better for our people who are spending their whole day in the office. They know that with our OLED lighting system, we are invested in them."

After living under the completed relighting installation, Ed learned that the soft and diffuse OLED light created a comforting perceived brightness and gave his employees a psychological boost. "The mood in the winter months, here in our New York office, was noticeably higher, and I think our OLED lighting has something to do with it," said Shill.



## Project Details

The OLED luminaires chosen are 4000K CCT to blend well with daylight and reinforce the bright and clean feeling. Acuity Brands Trilia™ floats in the large conference rooms. Average maintained illumination levels are 27 footcandles for the overall room with approximately 50 footcandles at the conference table itself. Lighting power density is 0.65 Watts per square foot.

The Canvis™ from Acuity Brands adds a playful element in this free-form design that creates sails of light. Aside from a few surface mounted single OLED panel luminaires located at the room perimeter, the Canvis provides virtually all of the lighting in the president's office. Average maintained illumination levels are over 30 footcandles at an overall lighting power density of 0.65 Watts per square foot.

Initially, the open office area had two long parallel runs of linear LED fixtures with both direct and indirect components. This layout provided an average maintained illumination level of 80 footcandles, much higher than current design practice. Lighting power density was 1.62 Watts per square foot. The single Peerless® Olessence™ (also from Acuity Brands) run provides an average maintained illumination level of 41 footcandles at a significantly reduced lighting power density of 1.29 Watts per square foot. The Olessence uses OLED as the downlight and LED as the uplight – direct view component for perceived brightness with an overall broader uplight distribution utilizing high performance batwing optics. The increased lighting performance is substantial, allowing this implementation comprised of a single hybrid run to replace the two original runs. The final installation is stunning.



The Canvis lighting gives this office a bright, playful vibe



QCI's mixed use of OLED and LED lighting

Not only is the new design providing illumination levels properly targeted for the application, the lighting is soft and glare-free in an incredibly sleek look. Additionally, with only one row of luminaires required in the final installation, installation costs are significantly lower. The up and down illumination is independently controlled for finetuning the final lighting effect and providing the ability for daylighting control for added energy savings. Lighting in other offices (and even the coat room), were converted to this energy-efficient (>80LPW) OLED/LED hybrid luminaire and lighting system.

QCI installed 0-10V dimming capability throughout, which gives users light-level control to support productive meetings and events. The final lighting installation utilizes OLED as the primary illumination, successfully meeting IES and local energy standards.

## Looking Forward

QCI's new office space provides them the look and feel they desired to reflect the modern and cutting-edge company their customers have come to expect. And their employees are happier and healthier for it.

"When our clients come into our office, they are amazed at the look of the lights and are drawn to the design and shapes that you can make with OLED lighting," says Shill, "they are equally amazed that they can look right at them without squinting and when we tell them about the health benefits they get really excited."

QCI has plans to expand further in their current space, by building out the basement floor. They are also looking to expand the geographic coverage outside of NY. "In any new space we go into, the first thing I'm going to do is rip out the lighting and replace with OLED lighting!" exclaimed Shill.

Check out more photos and info from the installation at QCI.