

Project: **Tiffany & Co**
Location: **Manchester, UK**
Lighting Consultant: **Sean Hennessy Lighting Design**
Luminaire: **Cathode Lighting Systems FCLS (Flexible Cathode Light Strip)**
Application: **Indirect circular cove illumination**



When lighting designer Sean Hennessy was challenged with illuminating the signature circular light cove above Tiffany's central store display he needed an elegant, yet flexible solution. In order to achieve the light affect he desired, Hennessey determined that the advantages of a 360° beam angle emanating from a continuous, custom curved fluorescent lamp would produce the most elegant lighting effect possible. He selected Cathode Lighting Systems' FCLS (Flexible Cathode Light Strip) luminaire as the ideal solution that could meet these needs but also contribute to the footcandle levels required on adjacent surfaces below.

A single row of FCLS with custom, curved fluorescent lamps were utilized for this signature project. The factory-curved lamps were manufactured specifically to flow with the exact curvature of the cove for a seamless effect. The neutral 3500°K lamps produce a continuous glow and provide 750 lumens per foot at a total electrical load of 368 watts for this single circular cove. With a lamp life of 50,000 hours plus, and stable color temperature that is far more consistent than any LED product, a cold cathode source provided a high-quality, reliable solution for this high-end retailer.

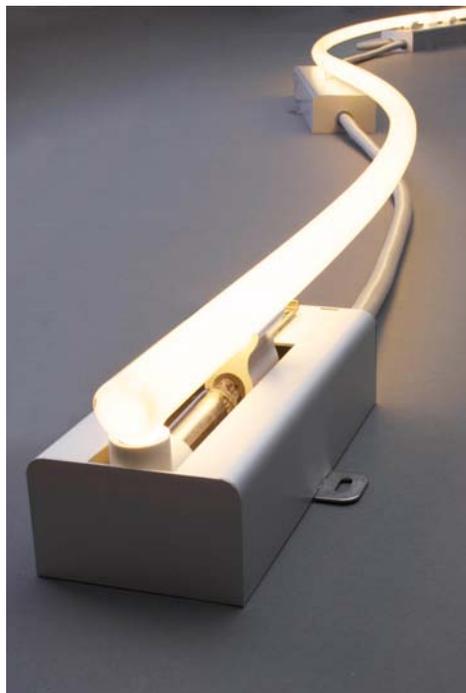
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Lamps are fully illuminated end-to-end. When luminaires are installed, there are no apparent shadows where one lamp meets the next.



The FCLS luminaire: completely self-contained with modular pluggable power connectors for "plug and play" simplicity.



The FCLS luminaire will accept any size or shape of straight, bent, or curved lamp that the factory manufactures, up to 90" in length.

The FCLS luminaire is one of Cathode Lighting Systems' most popular products, as it is phenomenally easy to install. It requires no wiring, just snap the lamps in, plug the connectors and go. The luminaires contain a dimmable power factor corrected electronic ballast, and lamp color options are extensive. Eleven shades of white from 1900°K Candelight to 8300° Daylight (with CRIs of 92 or greater), as well as more than a dozen neon and pastel color options are available. The export version (operating at 240 volts / 50 Hz) was utilized for this UK-based project.

PROJECT DETAILS

Luminaire: Cathode Lighting Systems model FCLS
Lamp: Factory curved T6 cold-cathode fluorescent
Color: 3500°K Triphosphor Soft White (Cat. No. 35TC)
Lumens: 750 per foot
Lamp Life: 50,000 hours + (on/off cycling does not effect lamp life)
Voltage: 240 volts / 50 Hz
Total Wattage Consumption: 368 watts
Luminaire Installation Method: Plug and play