Architectural LED Cove Lighting
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iO revolutionized the architectural lighting market when it launched in 2007 with a commitment to all LED products, tight optical control, small size and high performance fixtures.

CoviO builds on this rich history with a new integral driver luminaire which delivers three output options ranging from functional illumination to a soft glow in an easy to install, exterior rated fixture which enables long runs of consistent illumination.

The CoviO enables continuity in illumination from indoor to outdoor spaces such as in the coves in both the outdoor portico and the lobby without socket shadows as well as the illumination of the roof line.
An Elegant Package Designed to Perform

The CoviO delivers a comprehensive range of high-performance features with flexibility and easy installation in mind. Its compact construction, low energy consumption, and remarkably powerful lumen packages make it a valuable linear lighting design tool that extends its use far beyond cove lighting.

Many traditionally high-performance specification features come as standard in the CoviO making it perfect for architectural specifications.

- **Outdoor Versatility**
  - The CoviO is perfect for indoor and exterior locations allowing continuity in illumination from indoor to outdoor spaces. The integral silicone trim gasket delivers IP66 and UL wet location ratings for exterior installations.

- **High efficacy and lumen output**
  - LED board is available in three lumen output options up to 1500 lm/ft and category leading efficacy up to 130 lm/W.

- **Self-closing end cap**
  - The proprietary, self-closing and cap ensures a risk-free end-of-run even in a wet exterior locations.

- **Integral driver**
  - An integral driver reduces installation costs without the hassle of finding remote driver locations.

- **Dimming to 1%**
  - Standard 0-10V dimming from 100% to 1%. An optional beginning-of-run control module also enables 1% dimming with ELV, Triac or DALI controls.

- **Quick connect System**
  - Quick connects save time and money on installation costs with easy to install quick connects. Exterior (IP66) rated quick connectors easily snap together and enable runs of more than 300 ft from a single power drop.

- **Wireless Dimming**
  - Wireless dimming to 1% is available with the WaveLinx Wireless Connected Lighting System.

- **Runs up to 300ft**
  - Designed for long runs from a single power drop to make installation easy and cost effective.

- **Color rendering**
  - With a standard color rendering index of 90+CRI and standard CCT options of 2700K, 3000K, 3500K or 4000K the CoviO enhances architectural spaces.

**CoviO – 1 ft.**

**CoviO – 2 ft.**
Designed for Versatility

The CoviO series offers the designer a flexible design tool to be utilized in many traditional cove installations, or in new applications even outside a cove. With a small footprint, an outdoor rating, three output options, four standard CCTs, dimming to 1%, 90 CRI standard and multiple dimming protocols, the application possibilities are wide open.

Uplight cove
Use the CoviO to fill a traditional cove with rich high quality light and accentuate high-end finishes.

Downlight Cove
CoviO creates indirect smooth even illumination on an accent wall from above.

Floating Ceiling
Even illumination without socket shadows of the perimeter of an architectural element draws attention and creates a floating surface effect.

The CoviO provides a sleek light source that doesn’t need to be limited to coves. Here the CoviO provides indirect uplight from the support trusses and from the tops of the columns as well as direct light from the niches around the doors.
Run Length Limits (ft)

<table>
<thead>
<tr>
<th>Fixture Length</th>
<th>1F=12”</th>
<th>2F=24”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumen Package</td>
<td>05L (500lm)</td>
<td>10L (1000lm)</td>
</tr>
<tr>
<td>Fixture Input Wattage</td>
<td>5.1W</td>
<td>9.9W</td>
</tr>
</tbody>
</table>

Dimming Protocol
- 0-10V (STD)
- ELV (ELV)
- Triac (TR)
- WaveLinx (WL)

Wireless control is also available through the WaveLinx Wireless Connected Lighting System.

Designed for simple control

The CoviO is control agnostic, working seamlessly with standard 0-10V, ELV, Triac, DALI or WaveLinx. The luminaire also provides smooth digital dimming down to 1%. The proprietary integral driver in the CoviO is a 0-10V driver with standard dimming capability from 100% to 1%. The proprietary control module options enable compatibility with a wide variety of dimming protocols from the standard CoviO fixture with only a single control module per run. Control module options include ELV, Triac and DALI.

Designed for simple control

CoviO delivers functional cove lighting that can eliminate the need to additional fixtures in applications like this hospital corridor while also providing softer indirect ambient light like the coves over and under this nurse’s station.
Technical data

FEATURES

CoveO Linear LED

LIGHT LEVEL (NORMAL FOR 12" SECTION)

<table>
<thead>
<tr>
<th>Level</th>
<th>Lumen/ft</th>
<th>Wattage/ft</th>
<th>Efficacy (lm/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>05L</td>
<td>500</td>
<td>5</td>
<td>123</td>
</tr>
<tr>
<td>10L</td>
<td>1000</td>
<td>10</td>
<td>126</td>
</tr>
<tr>
<td>15L</td>
<td>1500</td>
<td>15</td>
<td>120</td>
</tr>
</tbody>
</table>

CRI & CCT

<table>
<thead>
<tr>
<th>Standard CRI</th>
<th>CCT (°K)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>2700</td>
</tr>
<tr>
<td>927</td>
<td>3000</td>
</tr>
<tr>
<td>930</td>
<td>3500</td>
</tr>
<tr>
<td>935</td>
<td>4000</td>
</tr>
</tbody>
</table>

OPTICAL DISTRIBUTION

<table>
<thead>
<tr>
<th>Standard</th>
<th>Lambertian</th>
</tr>
</thead>
</table>

ENVIRONMENT

<table>
<thead>
<tr>
<th>ID</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>Indoor</td>
</tr>
<tr>
<td>OD</td>
<td>Outdoor</td>
</tr>
</tbody>
</table>

VOLTAGE

<table>
<thead>
<tr>
<th>UNV</th>
<th>120-277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>277</td>
<td>277V</td>
</tr>
</tbody>
</table>

HOUSING COLOR

<table>
<thead>
<tr>
<th>S</th>
<th>Standard Silver</th>
</tr>
</thead>
</table>

MOUNTING

<table>
<thead>
<tr>
<th>SM</th>
<th>Surface Mount</th>
</tr>
</thead>
</table>

CONTROL OPTIONS

<table>
<thead>
<tr>
<th>STD</th>
<th>0-10V (1%-100%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELV</td>
<td>ELV</td>
</tr>
<tr>
<td>TR</td>
<td>Triac</td>
</tr>
<tr>
<td>5LT</td>
<td>DALI</td>
</tr>
<tr>
<td>WL</td>
<td>Wavelinx wireless</td>
</tr>
</tbody>
</table>

1F 12" Individual fixture
2F 24" Individual fixture
___F Specify nominal run length in feet
___F/1 Specify nominal run of 1ft fixtures

ORDERING EXAMPLE

LM-10L-935-120-OD-277-S-SM-STD-50F

Fixture Dimensions:

Cove Design Guidelines

Typical Linear Module Performance (90+ CRI, 3500°K CCT, 24" fixture)

<table>
<thead>
<tr>
<th>Lumen Package</th>
<th>Delivered Lumens</th>
<th>Wattage/ft</th>
<th>Efficacy (lm/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>05L</td>
<td>500</td>
<td>5</td>
<td>123</td>
</tr>
<tr>
<td>10L</td>
<td>1000</td>
<td>10</td>
<td>126</td>
</tr>
<tr>
<td>15L</td>
<td>1500</td>
<td>15</td>
<td>120</td>
</tr>
</tbody>
</table>

Cove face and shield

Fixture attachment box

Depth of cove detail

2” (min.)

<table>
<thead>
<tr>
<th>Fixture distance from back of cove wall</th>
<th>Distance from ceiling plane</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” (min.)</td>
<td>2” (min.)</td>
</tr>
</tbody>
</table>

1.9” [49mm] 2” [50mm] Wall
Lighting Product Lines
Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
Halo
Halo Commercial
Invue
io
Iris
Lumark
Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
Sure-Lites

Controls Product Lines
Fifth Light Technology
Greengate
iLight (International Only)
iLumin
Zero 88

Connected Lighting Systems
Distributed Low-Voltage Power
HALO Home
iLumin Plus
LumaWatt Pro
WaveLinx