Performance, uniformity, style. The Encounter™ Series redefines ambient lighting by blending contemporary styling with innovative WaveStream LED technology. The result is exceptional performance and superior energy savings – all at an affordable price.

The highly efficient LED system with advanced optical design delivers optimal light uniformity, resulting in soft, natural light for superior visual comfort. Encounter is a perfect balance of form and function, making it an ideal choice for commercial interiors.

WaveStream™ LED
Taking Control of Light.

A patented optical coupling process maximizes the amount of light injected into the WaveStream panel, dramatically improving efficiency. Laser precise, patented AccuAim optics arranged in exacting patterns provide unrivaled brightness control while delivering optimal distributions tailored to each fixture and application.
Encounter performance

High-performance efficacy up to 143 lumens per watt

Energy savings in excess of 60% compared to traditional fluorescent troffers

From CCT 3000K, 3500K, 4000K and 5000K, all typical 80 CR.

E2 2’ x 2’ @ 106,000 hrs.; 1’ x 2’ @ 106,000 hrs.;

E2 2’ x 4’ @ 106,000 hrs.; 1’ x 4’ @ 106,000 hrs.

Binning: For ANSI, 3-step MacAdam ellipse

Encounter — Recessed LED luminaire

Photometrics

Lumen maintenance

Size | Ambient temperature | TM-01 lumen maintenance (100,000 hours) | Theoretical (1% down)
--- | --- | --- | ---
2’ x 2’ | 25°C | > 90% | > 448,000
2’ x 4’ | 25°C | > 90% | > 448,000
1’ x 4’ | 25°C | > 80% | > 158,000
1’ x 2’ | 25°C | > 80% | > 158,000
### Fluorescent product comparison

<table>
<thead>
<tr>
<th>2' x 4' Encounter series</th>
<th>Catalog number</th>
<th>Lumens*</th>
<th>Wattage</th>
<th>Popular Fluorescent fixture type</th>
<th>Lumens*</th>
<th>Wattage</th>
<th>Energy savings</th>
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<tbody>
<tr>
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<td>Troffer 432</td>
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<td>59.1 98%</td>
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<td>63.0 98%</td>
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<td>63.0 98%</td>
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<td>Parabolic 382</td>
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<td>63.0</td>
<td>63.0 98%</td>
</tr>
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</table>

**Note:** 3000K, 4000K and 5000K performance data available on product specification sheets.

### Encounter 2' x 2' series

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<tr>
<th>2' x 2' Encounter series</th>
<th>Catalog number</th>
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<th>Wattage</th>
<th>Popular Fluorescent fixture type</th>
<th>Lumens*</th>
<th>Wattage</th>
<th>Energy savings</th>
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</thead>
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<td>58.0</td>
<td>34% 92%</td>
</tr>
</tbody>
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**Note:** 3000K, 4000K and 5000K performance data available on product specification sheets.

### Operating and maintenance costs of a lighting system are dramatically impacted by the specified lamp source and electrical system. Total system input watts and fixture operating life should be the driving considerations when addressing energy consumption and total cost of ownership. Energy savings increase when energy consumption is reduced and maintenance intervals are extended.

**Note:** 3000K, 4000K and 5000K performance data available on product specification sheets.

**Certification Data:**
- cULus - Damp Location
- CSA IC Rated
- LM79/LM80 Compliant
- ROHS Compliant
- DesignLights Consortium™ Qualified
- NOM Compliant
**Construction**

**Encounter series**
- Recessed: 2’ x 2’, 2’ x 4’, 1’ x 4’ and 1’ x 2’
- Metric versions available in all four sizes
- Depth: 3.5”
- Sustainable materials
- cULus damp location / IC Rated
- RoHS compliant
- Five-year warranty

*Metric versions available in all four sizes.

**Options**

**Encounter series**
- Five standard lumen packages in two CCTs
  - 2’ x 2’: 2500 and 3400
  - 2’ x 4’: 4500, 5400 and 6700
  - Twenty-seven additional lumen packages offered as MTO
- Universal (120V/277V) or 347V
- Emergency – EL7W and EL14W
- Air vented versions
- Chicago plenum rated version
- Flex wiring configurations
- Surface mount kit (field installed)
Encounter with integrated sensor controls

The Encounter has not only the latest in WaveStream LED technology, it also acts as a platform for the latest control and communication technologies. The series offers a broad range of connectivity for energy savings and beyond, with choices in both wired and wireless systems, and optional integrated sensors to simplify installation and planning.

Encounter controls and systems options

The Encounter is Powered by Fifth Light, with a standard 1% “HCD” 0-10V continuous dimming driver that works with many types of systems, see dimmers, occupancy sensors, daylighting controls, or lighting relay panels to maximize energy savings

For individual control and out-of-the-box low energy savings, Encounter can include an optional factory-installed integrated sensor system (SVPD1) for occupancy, daylight dimming and manual control from within the footprint of the fixture.

Combine safe, low-voltage power delivery and easy-to-use control with dim-to-dark performance with the Distributed Low voltage Power (DLVP) system module in Encounter. In addition, an integrated sensor system (SLVPD1) adds occupancy, daylight dimming and manual control to the DLVP system.

Expand into fully-addressable systems by specifying DALI - Digital Addressable Lighting Interface 0% (5LTDI) or 1% (5LTHD) dimming drivers for use with Fifth Light controls. The Fifth Light software allows fixture-by-fixture programming, yielding energy savings now, and flexibility in the future.

Go wireless and use the LumaWatt Pro powered by Enlighted option (LWIPD1) for a fully integrated sensor system with Internet of Things (IoT) connectivity and configurable software. When equipped with LumaWatt Pro, the fixture is individually addressable and senses occupancy, turns itself, and reports back to the system wirelessly.

See ordering information and specification supplements for details on all these control options.

Encounter system compatibility

Connected Lighting Wireless System Powered by DLVP Distributed Low Voltage Power for a fully integrated sensor system with Internet of Things (IoT) connectivity and configurable software. When equipped with LumaWatt Pro, the fixture is individually addressable and senses occupancy, turns itself, and reports back to the system wirelessly.
Lighting Product Lines
Halo
Halo Commercial
Portfolio
Iris
RSA
Metalux
Corelite
Neo-Ray
Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Ephesus
Lumière
Streetworks
AtLite
Sure-Lites

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