Metalux LED Retrofit Kits

Metalux’s complete family of LED retrofit kit lighting products are dedicated to the latest solid state lighting and driver technology for optimal performance and energy efficiency. Metalux delivers innovation, quality, product availability, and responsiveness all with an affordable value proposition.

Simple and quick installation
- Installs in less than five minutes = significant labor cost savings
- Utilize the existing fluorescent luminaire’s housing = lower disposal costs

Reduced energy consumption
- High performance efficacy = significant energy savings vs. fluorescent
- DesignLights Consortium® Qualified

Architectural style aesthetics
- Modern styling with aesthetic appeal vs. fluorescent
- Designed for commercial office, education, healthcare, and retail applications

Integrated controls
- Daylight harvesting and occupancy sensing
- Code compliance and IoT value-added applications

Celebrating 50+ years, Metalux offers an extensive line of LED lighting products including LED retrofit kits.
The Cruze LED Retrofit Kit is our newest LED lighting solution for customers looking to upgrade their fluorescent luminaires to a high performing and aesthetically pleasing LED system without the need to install a complete luminaire. This innovative, high quality retrofit kit is dedicated to the latest solid-state lighting and driver technology for optimal performance and energy efficiency. The retrofit kit is engineered for simple and quick installation making it easy to switch to LED.

**Simple and quick installation - less than five minutes!**

**Tool-less installation**

Uses the fluorescent luminaire’s housing - lower disposal costs

**Energy savings greater than 50% vs. fluorescent luminaires**

Architectural style aesthetics designed for multiple applications

**Certifications**

- UL 1598 (09 revision order 10% standard)
- UL / DLC / LM79 / LM80
- cULus - Damp location / IC Rated

**Energy savings**

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.

**Performance**

- Standard efficacy up to 121 lm/W; high performance efficacy up to 138 lm/W
- Energystar Qualified; Qualified
- Two CCT Colors: 3500K and 4000K at a minimum CRI of 80+
- L75 @ 60,000 hrs
- 5 year warranty

**Controls**

- 0-10V dimming driver (10% standard)
- Optional integrated sensor system for daylighting harvesting and occupancy sensing
- Optional Websense Wireless and LumaSens Pro for fully integrated sensor system with internet of things (IoT) connectivity and configurable software

**Certifications**

- LM79 / LM80 Compliant
- SATYEN / Lumenair
- Energy Star
- CEC Title 24 Compliant
- CRI > 80
- Energy Star 7.0 Qualified
- 0-10V Dimming Driver (10% Standard)
- Optional Integrated Sensor System for Daylighting Harvesting and Occupancy Sensing
- Optional Websense Wireless and LumaSens Pro for Fully Integrated Sensor System with Internet of Things (IoT) Connectivity and Configurable Software

**Fluorescent product comparison**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Lumens (Vacuum)</th>
<th>Voltage</th>
<th>Flicker Type</th>
<th>Lumens (Vacuum)</th>
<th>Voltage</th>
<th>Energy Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>22CZRK-LD4-39-UNV-L835-CD1-U</td>
<td>3845</td>
<td>31.8</td>
<td>Troffer 2U6T8</td>
<td>3862</td>
<td>52.1</td>
<td>39%</td>
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<tr>
<td>22CZRK-LD4-24-UNV-L835-CD1-U</td>
<td>2631</td>
<td>22.9</td>
<td>Parabolic</td>
<td>2588</td>
<td>49.1</td>
<td>53%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Spec Dual Lens 214</td>
<td>2403</td>
<td>30.0</td>
<td>24%</td>
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</tbody>
</table>

*Lumens listed are delivered lumens. Refer to specification sheets for detailed catalog ordering information

**Make the switch in under five minutes!**

From fluorescent to LED

**Add • modify • modernize**
The Metalux RSRK LED Recessed Strip Retrofit Kit is a series of products developed to convert recessed linear products to LED while improving the lighting in the existing space. The kit consists of three primary components: mounting brackets, gear tray with LED boards, driver and lens. The RSRK is engineered for simple and quick installation and offers customers the opportunity to retrofit from fluorescent to LED affordably and efficiently.

### Simple and quick installation = labor savings!

Up to 8000 lumens (4') and 17500 lumens (8')

60% energy savings vs. traditional sources

IP40 Rated

Lens optimization for greater optical control

### Energy and performance data

<table>
<thead>
<tr>
<th>No-Lens Performance</th>
<th>TB - Trilobe Ribbed Lens Performance</th>
<th>TS - Trilobe Smooth Lens Performance</th>
<th>RM - Round Ribbed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Logic</td>
<td>Fixture Total Length</td>
<td>Delivered Lumens @ 80 Ch. 4000K</td>
<td>Efficacy (LPW)</td>
</tr>
<tr>
<td>RSRK-65-HE-48-1.0</td>
<td>4'</td>
<td>16.0</td>
<td>3400</td>
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<tr>
<td>RSRK-65-HE-48-1.0</td>
<td>6'</td>
<td>20.9</td>
<td>3461</td>
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<tr>
<td>RSRK-65-HE-48-1.0</td>
<td>8'</td>
<td>27.5</td>
<td>4615</td>
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<tr>
<td>RSRK-65-HE-48-1.0</td>
<td>10'</td>
<td>36.8</td>
<td>5988</td>
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<tr>
<td>RSRK-65-HE-48-1.0</td>
<td>12'</td>
<td>55.7</td>
<td>9154</td>
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<tr>
<td>RSRK-65-HE-48-1.0</td>
<td>14'</td>
<td>85.7</td>
<td>13474</td>
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<tr>
<td>RSRK-65-HE-48-1.0</td>
<td>16'</td>
<td>122.4</td>
<td>17763</td>
</tr>
</tbody>
</table>

LM79 / LM80 Compliant

### Controls

- 0-10V driving (1% standard)
- Optional integrated sensor system for daylighting harvesting and occupancy sensing
- Optional WaveLinx Wireless and LumaWatt Pro for fully integrated sensor system with Internet of Things (IoT) connectivity and configurable software

### Certifications

- ENERGY STAR
- DesignLights Consortium® Qualified
- 5-year warranty
- 4', 6', and 8' options
- Acrylic lens (round or trilobe)

### Construction

- Patent pending mounting bracket, gear tray with LED boards, driver, and lens
- Retrofit can remain in fixture
- 0-10V and 0-100V options
- Lens (round or trilobe)

### Performance

- Premium level efficacy up to 168 lm/W
- Ecolite® Lens System: Better, cleaner, cooler, and brighter
- 365LMK-2100K to 800LMK-5000K

### Options

- Add modifiy modernize
  - No Lens
  - Performance
  - TB - Trilobe Ribbed Lens Performance
  - TS - Trilobe Smooth Lens Performance
  - RM - Round Ribbed Lens Performance
The SSRK series is a LED retrofit kit capable of replacing 4 foot lengths of fluorescent or LED fixtures with a width from 2.5 to 4.5 inches and a channel minimum depth of 1.75 inches. Five different highly efficient lumen packages (130 to 150 lumens/watt) ensure maximum ROI due to energy savings and eligible rebate incentives. Key features include electrical quick connects and adhesive tape on mounting brackets that result in market leading installation time as well as dimming, occupancy and emergency options that maximize design flexibility. The SSRK series is ideal for retrofit applications where existing fixtures are installed with fixed conduit.

### Table: Lumen Package

<table>
<thead>
<tr>
<th>Lumen Package</th>
<th>Nominal Lumens per Foot</th>
<th>Watts</th>
<th>Efficacy (Lumens per Watt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>537</td>
<td>13.7</td>
<td>156.8</td>
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<tr>
<td>750</td>
<td>812</td>
<td>20.4</td>
<td>159.3</td>
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<tr>
<td>1000</td>
<td>1080</td>
<td>27.7</td>
<td>156.0</td>
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<tr>
<td>1500</td>
<td>1637</td>
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<td>2000</td>
<td>2186</td>
<td>62.9</td>
<td>139.0</td>
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### Table: Approximate Lumen Multiplier

<table>
<thead>
<tr>
<th>Lens Type</th>
<th>Multiplier</th>
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<tbody>
<tr>
<td>No Lens</td>
<td>1.000</td>
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<tr>
<td>TS</td>
<td>0.842</td>
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<tr>
<td>TB</td>
<td>0.884</td>
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<tr>
<td>LC</td>
<td>0.961</td>
</tr>
<tr>
<td>LN</td>
<td>0.934</td>
</tr>
<tr>
<td>LW</td>
<td>0.831</td>
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<tr>
<td>SLC</td>
<td>0.984</td>
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<tr>
<td>SLN</td>
<td>0.951</td>
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<tr>
<td>SLW</td>
<td>0.882</td>
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</table>

### Table: CCT Multiplier

<table>
<thead>
<tr>
<th>CCT Color</th>
<th>Multiplier</th>
</tr>
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<tbody>
<tr>
<td>3000K</td>
<td>0.97</td>
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<tr>
<td>3500K</td>
<td>0.98</td>
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<tr>
<td>4000K</td>
<td>1.00</td>
</tr>
<tr>
<td>5000K</td>
<td>1.00</td>
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</tbody>
</table>

### Performance Data

**Approximate Luminous Efficiency:**

<table>
<thead>
<tr>
<th>Lumen Package</th>
<th>Lumen Multiplier</th>
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</thead>
<tbody>
<tr>
<td>MALP100K</td>
<td>0.57</td>
</tr>
<tr>
<td>MALP200K</td>
<td>0.88</td>
</tr>
<tr>
<td>MALP300K</td>
<td>1.00</td>
</tr>
</tbody>
</table>

### Controls

- 0-10V dimming driver (1% standard)
- Optional integrated sensor system for daylighting harvesting and occupancy sensing

### Certifications

- UL Listed
- LED/Luminaire Complete
- T24 Compliant

Add - modify - modernize
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