

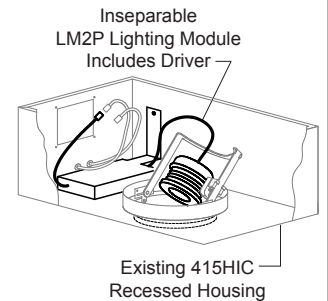
The Wenlux® RET- 415PL Recessed LED Framing Projector is designed for retrofit into an existing Wenlux 415HIC Recessed Housing without re-wiring. Dimmer replacement and or dimmer re-programming may be required. The existing Wenlux 415HIC Recessed Housing provides the Retrofit LED Framing Projector with rotational adjustment using existing lockable fastening systems. The existing Ceiling Trim is re-usable and not included in the retrofit kit.

The existing 415HIC Recessed Housing includes a field removable 12 Volt transformer connected electrically by disconnects. The field removed 12 Volt Transformer is replaced by a provided LED Driver electrically connected to the same disconnects.

The inseparable LM2 (2 wire) Lighting Modules include the LED Driver, LED Chip, proprietary optics and dual heat sink technology delivering optimum LED cooling. Lighting Modules are assembled with the Projector (Adapter Cone) to which variable beam spread Objective Lens Focus Tubes are positioned within to highlight subject of many sizes and distances.

A white high color rendering LED light was discriminately selected to enhance fine art. A shaped light mask framed to art accentuates focus. Precision ground lenses focus upon independently locking light masking shutters for a securely shaped Focused Light Border "FB" (standard). For our proprietary Fade In® Light Border specify "FI."

Patents: 9458991 B2 and 6,612,0761 B2  
Wendelighting reserves the right to make changes without notice.



## LM2P LIGHTING MODULE SPECIFICATIONS (CA T24-JA8)

- Power:** 120/277 VAC Input - 20 Watts
- Driver/LED:** LM2P with 2790 Chip and Primary Optics JA8 Tested - 1300 Lumens @ 500mA (for tested life) - 67 Lumens/Watt (Estimated 1200 Lumens @ 450mA) JA8 Allowance on all LED Chip Options
- Optics:** Proprietary
- Luminaire:** Aluminum
- Dimmer:** 2 Wire Forward / Reverse Phase
- Mounting:** Adjustable Locking Crossmember to Yoke
- Rotation:** 0° - 45° Vertical Tilt / 361° Horizontal Rotation
- Listings:** - UL / CUL - Retrofit - Damp Location - Thermal Foldback Protection  
- California Title 24 Residential Lighting JA8 Recessed Tested Listing (See [wendelighting.com/resources](http://wendelighting.com/resources))

## RECESSED OPTICAL PROJECTOR OPTIONS

RET	415PL	LM				
Retrofits Existing Recessed 415HIC Recessed Housing to a LED Recessed Housing	<b>Adapter Cone:</b>  <b>Optical Framing Projector</b>	<b>Lighting Module:</b> (By Driver Type) <b>LM2P</b> (Standard) Philips Xitanium 2 Wire Driver Forward / Reverse Phase Dimmable 2% Use ELV Dimming 120/277V In 450mA Out Listed with CA Title 24 JA8  <b>LM2L</b> Lutron Hi-Lume LTEA Tu-Wire Driver Forward Phase Dimmable 1% 120V In 450mA Out Use C-L Dimming or LTE Led Setting LM Not Listed with CA Title 24 JA8	<b>LED Chip Options</b> (Chip Values @ 450mA):  <b>2798</b> 2700K 98 CRI 1400 Lumens R9 93  <b>3098</b> (Standard Chip) 3000K 98 CRI 1500 Lumens R9 88  <b>2790</b> 2700K 90 CRI 1600 Lumens R9 54  <b>3090</b> 3000K 90 CRI 1700 Lumens R9 60	<b>Objective Lens Focus Tube (Beam Spread):</b>  <b>12°</b>  <b>25°</b>  <b>45°</b>  <b>60°</b>  <b>90°</b>	<b>Light Border:</b>  <b>FB</b> (Standard) Focused Light Border  <b>FI</b> Fade in® Light Border	<b>Light Control Accessories:</b>  <b>SH</b> Extra Shutter (1)  <b>MK</b> Light Mask Kit  <b>SC</b> Scissors  <b>UV</b> Ultraviolet Blocking Lens  <b>1F</b> 100 Kelvin Warming Filter 39mm Diameter

**Color Filter Options:** Additional 39mm Diameter Dichroic Color Filters Available Through Rosco

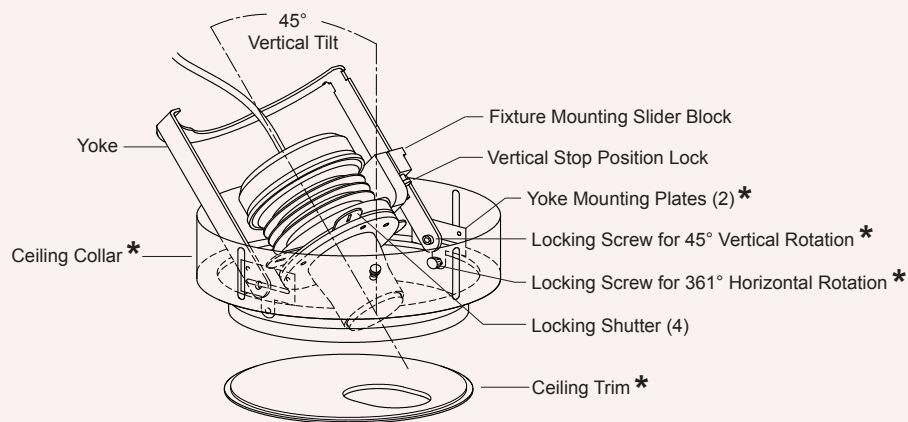
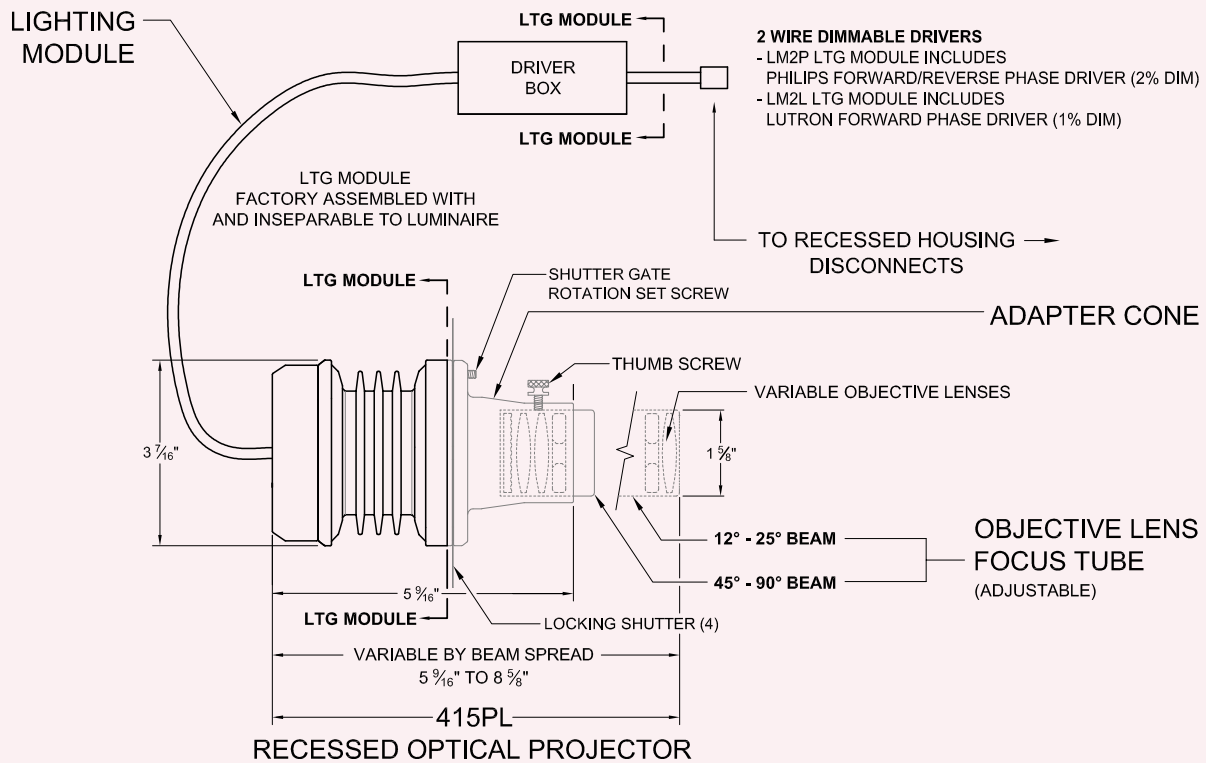
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Lutron, Hi-Lume, Tu-Wire, and EcoSystem are Trademarks of Lutron Electronics Co., Inc.

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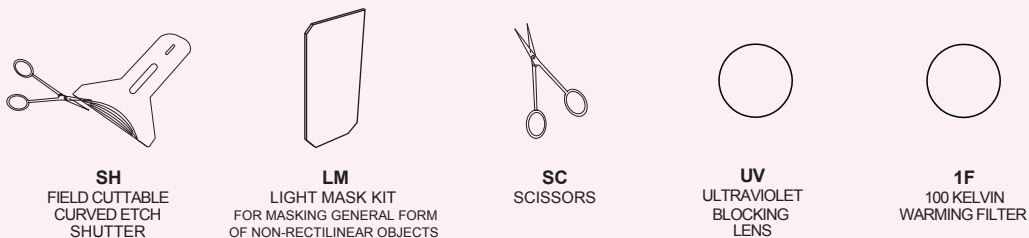
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# Wenlux® RET- 415PL Recessed Optical Projector LED Retrofit



\* Items Found in Existing 415HIC Housing and not Included in Retrofit Kit

## LIGHT CONTROL ACCESSORIES



### HOW TO SPECIFY

To specify, please visit [www.wendelighting.com/art-light-worksheets/](http://www.wendelighting.com/art-light-worksheets/) complete the appropriate Art Lighting Worksheet and forward the completed worksheet to our staff members at [info@wendelighting.com](mailto:info@wendelighting.com).



The name Wendelighting is a registered trademark to Jacksen International Ltd., Monrovia, California. The name encompasses Wendel® and Wenlux® optical projectors as well as other types of Wendel/Wenlux lighting fixtures for both interior and exterior use.

**WENDELIGHTING®**

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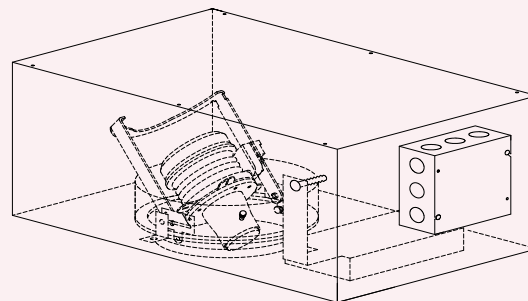
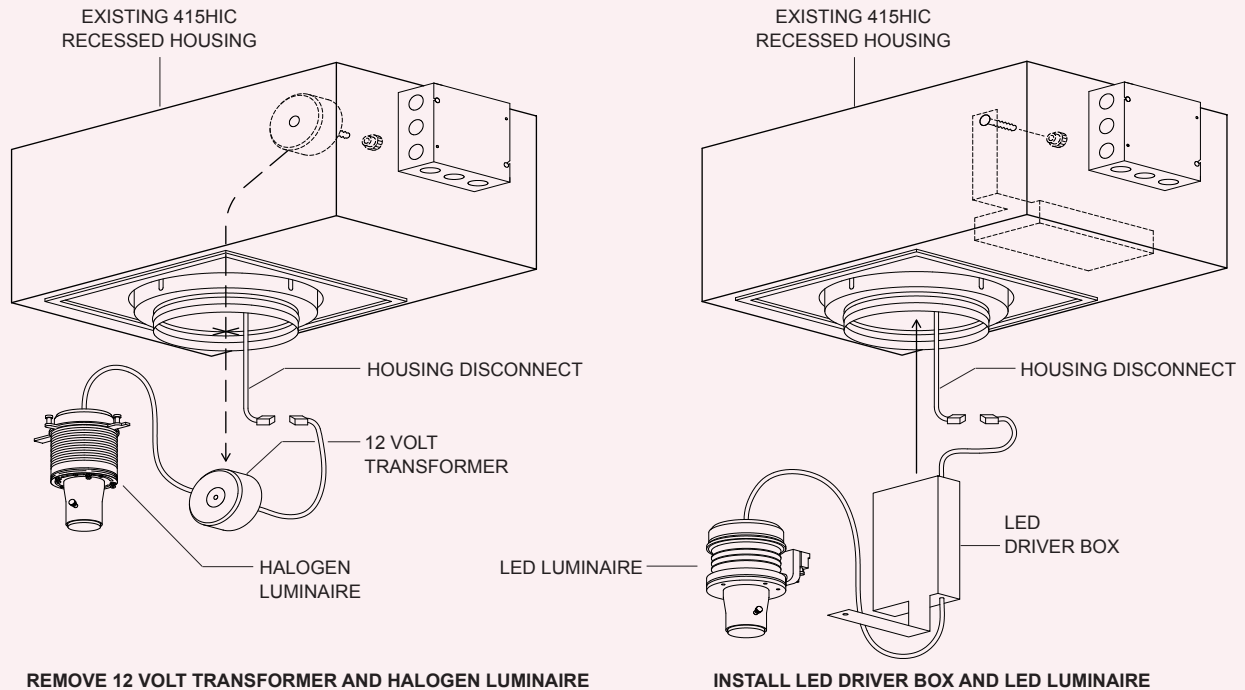
# Wenlux® RET- 415PL Recessed Optical Projector LED Retrofit

## 415HIC - RECESSED HOUSING LED RETROFIT

INSULATION CONTACT / AIR TIGHT

ATTIC AND BUILDING ENVELOPE INSTALLATION

MINIMUM R38 INSULATION SURROUNDING AND COVERING RECESSED HOUSING REQUIRED FOR LED ASSEMBLY LIFE



RECESSED LED RETROFIT

- THE LED RETROFIT IS DESIGNED FOR USE WITH AN EXISTING WENLUX 415HIC RECESSED HOUSING
- THE LED RETROFIT DOES NOT REQUIRE CEILING DAMAGE
- THE LED RETROFIT WORKS WITH EXISTING WIRING
- EXISTING DIMMER MIGHT NEED TO BE REPLACED AND OR DIMMER MODULE RE-PROGRAMMING MAY BE REQUIRED DEPENDING ON THE DIMMING CONTROLS USED

### HOW TO SPECIFY

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