



415PL RECESSED OPTICAL PROJECTOR

This Recessed Framing Projector is factory installed into an insulation contact / air tight recessed housing and allows white high color rendering LED light to enhance art. The LM Lighting Modules include the driver, LED Chip, proprietary optics and cooling system. Projector provides rotational adjustment using lockable fastening systems. A dual heat sink technology provides optimum LED cooling. A separable beam mount wiring box is provided to house the LED Driver. The Recessed Housing's adjustable Ceiling Collar accommodates ceiling thickness from 5/8" to 1 7/16". Accessory flush trim flanges are available for a seamless, flush to ceiling, field-paintable trim.

DETAILS.

5 9/16"-8 5/8"W (DEPENDING ON BEAM SPREAD) X 3 7/16"H
1 X 20W LED, 120/277 VAC INPUT
LIGHT MODULE (DIMMER): 2 WIRE FORWARD/REVERSE PHASE OR
HI-LUME OR 4-WIRE/ECOSYSTEM OR 0-10V

COLOR TEMP: 2700K OR 3000K
CRI: 90 OR 98
OBJECTIVE LENSES: 12°, 25°, 45°, 60°, 90°

FLUSH TRIM FLANGE:

PF – POROUS FLUSH TRIM FLANGE
AF – ALUMINUM FLUSH TRIM FLANGE
XX – NO FLUSH TRIM FLANGE (FOR OVERLAP TRIM)

TRIM OPTIONS:

OST – OVERLAP SLOT TRIM – 20-45° TILT
OPT - OVERLAP PINHOLE TRIM – 0-30° TILT
FST – FLUSH SLOT TRIM – 20-45° TILT
FPT - FLUSH PINHOLE TRIM – 0-30° TILT

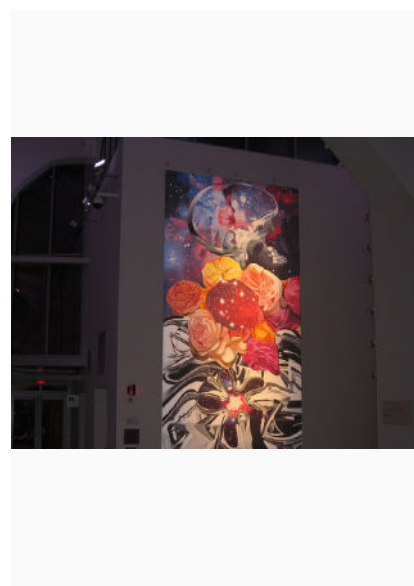
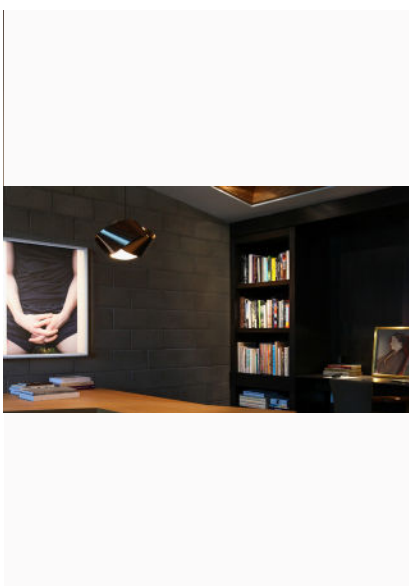
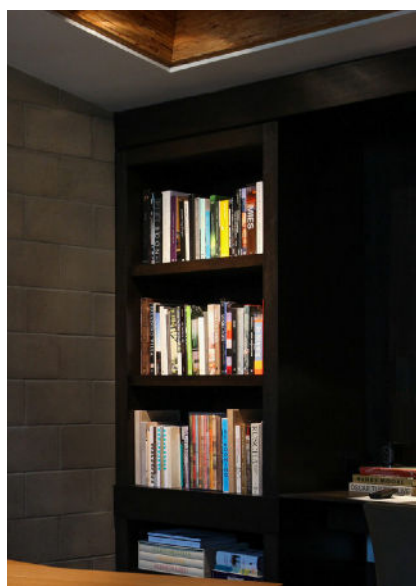
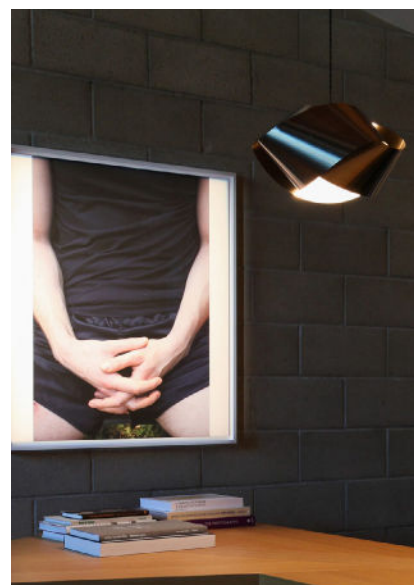
LIGHT BORDER:

FB (STANDARD) – FOCUSED LIGHT BORDER
FI – FADE IN® LIGHT BORDER

*LIGHT CONTROL ACCESSORIES AVAILABLE.

UL LISTED, TITLE 24 JA8 – DAMP LOCATION

415PL RECESSED OPTICAL PROJECTOR



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Wenlux® 415PL Recessed Optical Projector LED

The Wenlux® 415PL Recessed Framing Projector is factory installed into an insulation contact / air tight recessed housing. 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."

The inseparable Wenlux LM2 (2 wire) and LM4 (4 wire) Lighting Modules are separable from the recessed housing by disconnects. The LM Lighting Modules include the driver, LED Chip, proprietary optics and cooling system. 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.

Wenlux provides rotational adjustment using lockable fastening systems. A dual heat sink technology delivers optimum LED cooling. The Recessed Housing's adjustable Ceiling Collar accommodates ceiling thickness from 5/8" to 1 7/16". Accessory flush trim flanges are available for a seamless, flush to ceiling, field-paintable trim.

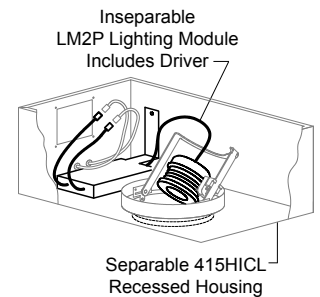


Patents: 9458991 B2 and 6,612,0761 B2

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 - Damp Location - Type IC / Air Tight - Feed Through Wiring - Class 1 Wiring Required - Thermal Foldback Protection
 - California Title 24 Residential Lighting JA8 Recessed Tested Listing (See wendelighting.com/resources)



RECESSED OPTICAL PROJECTOR OPTIONS

415HICL -	415PL -	LM						
Recessed 415HICL LED Recessed Housing	Adapter Cone: Optical Framing Projector	Lighting Module: (By Driver Type)	LED Chip Options (Chip Values) (@ 450mA:)	Objective Lens Focus Tube (Beam Spread):	Light Border:	Flush Trim Flange:	Trim Options:	Light Control Accessories:
		LM2P (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	2798 2700K 98 CRI 1400 Lumens R9 93	12°	FB (Standard) Focused Light Border	PF Porous Flush Trim Flange	OST Overlap Slot Trim 20° - 45° Tilt	SH Extra Shutter (1)
		LM2L 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	3098 (Standard Chip) 3000K 98 CRI 1500 Lumens R9 88	25°	FI Fade in® Light Border	AF Aluminum Flush Trim Flange	OPT Overlap Pinhole Trim 0° - 30° Tilt	MK Light Mask Kit
		LM4P Philips Xitanium 4 Wire Driver 0-10V Dimmable 1% 120/277V In 450mA Out Use Linear Dimming LM Not Listed with CA Title 24 JA8	2790 2700K 90 CRI 1600 Lumens R9 54	45°			FST Flush Slot Trim 20° - 45° Tilt	SC Scissors
		LM4L Lutron EcoSystem PEQ0 4 Wire Driver Dimmable 0.1% 120/277V In 450mA Out Requires EcoSystem Dimming Listed with CA Title 24 JA8	3090 3000K 90 CRI 1700 Lumens R9 60	60°		XX No Flush Trim Flange - For Overlap Trim	FPT Flush Pinhole Trim 0° - 30° Tilt	UV Ultraviolet Blocking Lens
				90°				1F 100 Kelvin Warming Filter 39mm Diameter

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

Philips and Xitanium are Trademarks of Signify

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

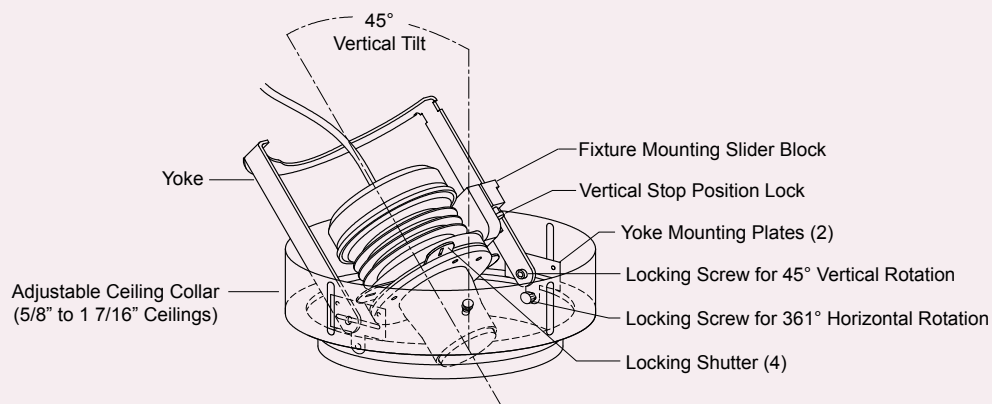
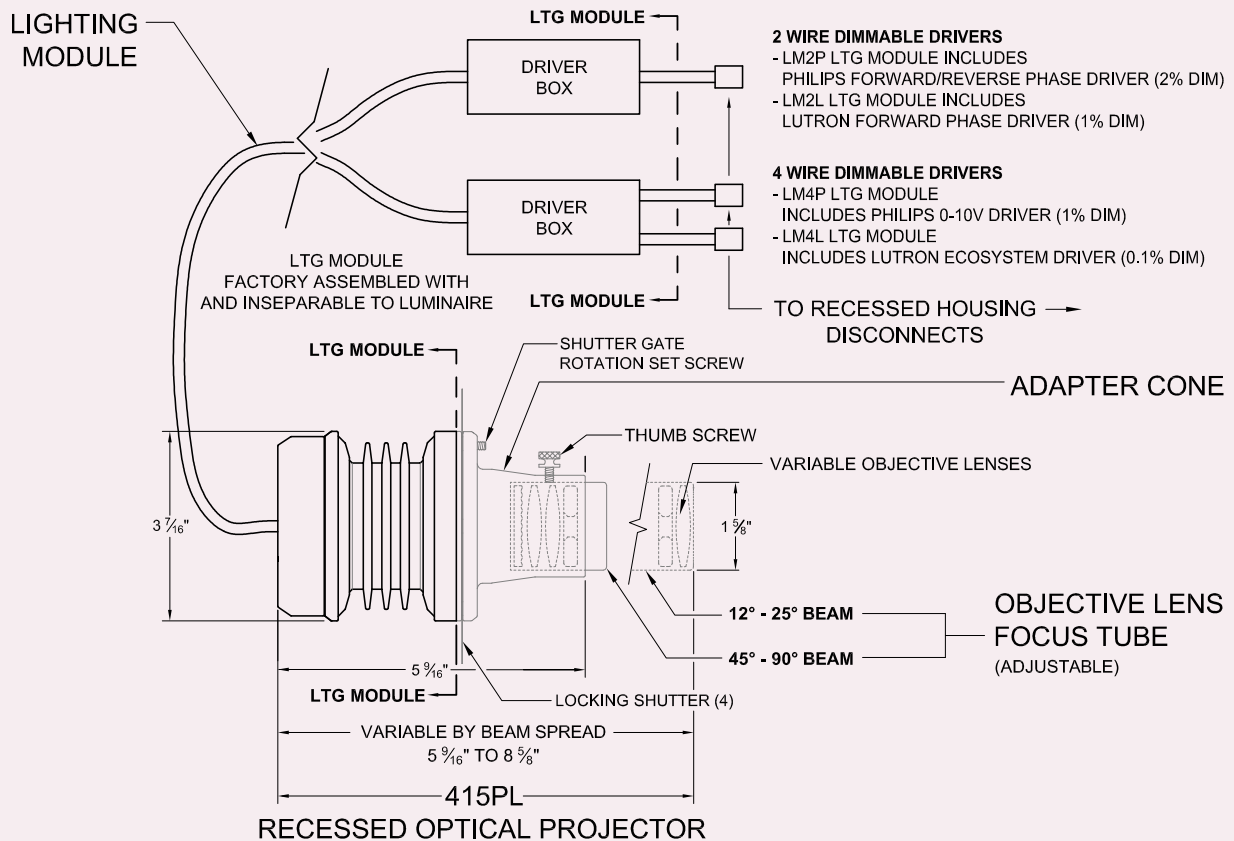
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Wenlux® 415PL Recessed Optical Projector LED



LIGHT CONTROL ACCESSORIES



Wenlux® 415PL Recessed Optical Projector LED

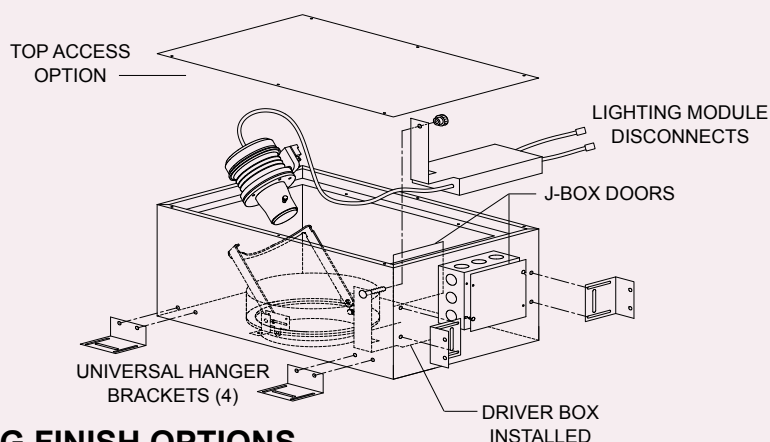
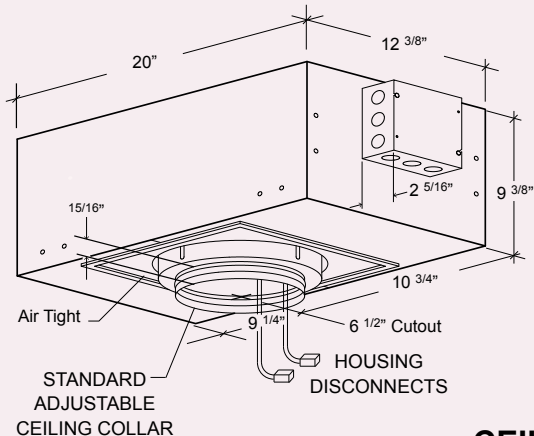
415HICL - LED RECESSED HOUSING

INSULATION CONTACT / AIR TIGHT

ALUMINUM - BLACK INTERIOR - STAINLESS HANGER BRACKETS

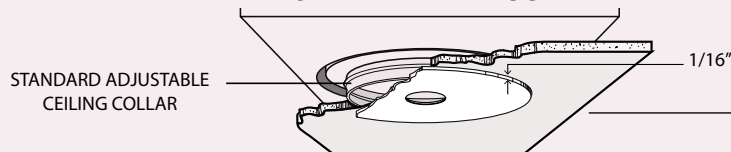
ATTIC AND BUILDING ENVELOPE INSTALLATION

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

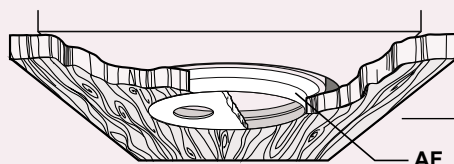


CEILING FINISH OPTIONS

OVERLAP - FLUSH

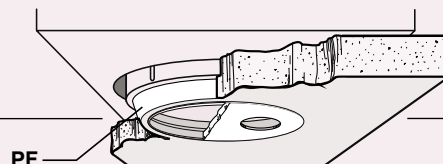


STANDARD ADJUSTABLE CEILING COLLAR
For use with
7" Diameter Overlap Trim



SOLID CEILING
AF

ALUMINUM FLUSH TRIM FLANGE
Accessory For 6 1/2" Diameter Flush Trims

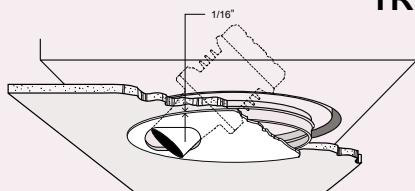


PLASTER / STUCCO / DRYWALL CEILING
PF

POROUS FLUSH TRIM FLANGE
Accessory For 6 1/2" Diameter Flush Trims

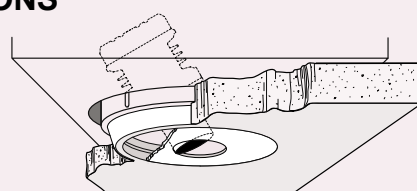
FLUSH TRIM

TRIM OPTIONS



SLOT TRIMS
20° - 45° TILT
SHOWN OVERLAP

OST - OVERLAP SLOT TRIM 7" Dia (2" X 2 9/16" Slot)
FST - FLUSH SLOT TRIM 6 1/2" Dia (2" X 2 9/16" Slot)



PINHOLE TRIMS
0° - 30° TILT
SHOWN FLUSH

OPT - OVERLAP PINHOLE TRIM 7" Dia (2" Pin)
FPT - FLUSH PINHOLE TRIM 6 1/2" Dia (2" Pin)

FLUSH TRIMS REQUIRE 415HIC RECESSED HOUSING ORDERED W/ FLUSH TRIM FLANGE ACCESSORY