ELIUM®
PRECISION ILLUMINATED®

Project Name:

Fixture Type:

Date:

# ELIUM™ Downsizer Ring to 3″ Downlights

120-277V, Triac, ELV, 0-10V. Round and Square Flangeless.

## 3″ ELIUM TRIMS

Flangeless Round Bevel

Flangeless Round Pinhole

Flangeless Round Wall Wash

Flangeless Square Bevel

Flangeless Square Pinhole

Flangeless Square Wall Wash

## FEATURES

- For use in existing 4″, 5″, 6″, and 8″ housings.
- 3 Part System: Downsizer Ring, Module, & Trim.
- Title 24 JA8-2025-E
- Lockable gear adjustment up to 35° center axis tilt (tilt ° may be limited based on existing housing size) with 3/32″ Allen Key from below the ceiling.
- Patented LED Module with in field changeable optics.
- Standard Dimming to 1% with 0-10V, Triac and ELV dimmers.
- Flangeless
- Precision single piece die-cast trims.
- 50,000 hours lifespan L70.

## SPECIFICATIONS

| | |
|---|---|
| **WATTAGE:** | 11.8W |
| **LUMENS:** | 1000 lm |
| **VOLTAGE:** | 120-277V |
| **COLOR TEMP:** | 2400K, 2700K, 3000K, 3500K, 4000K, Sunset Dim to Warm |
| **DIMMABLE:** | 0-10V, Triac, ELV (1%) |
| **BEAM ANGLE:** | 15°, 24°, 36°, 50° |
| **UL LISTED:** | Damp & Wet location options |
| **CRI:** | 95+ |



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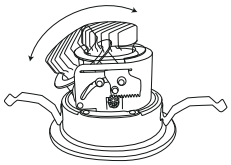
## 3″ ELIUM™ 3-PART SYSTEM: DOWNSIZER RING, MODULE & TRIM

Clear and Solite
**Lens Options**

Flangeless **Millwork Options**



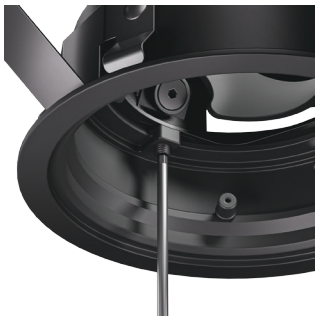
0°–35° adjustability
359° rotation

# LOCKABLE HOT AIMING GEAR ADJUSTMENT FROM BELOW

### Adjustability

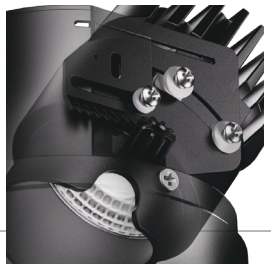
Hot Aiming from below the ceiling using a 3⁄32″ Allen Key

### Rotation Lock



359° Lockable Rotation with 3⁄32″ Allen Key*

### Lockable Gear Adjustment



Easy access for quick and effortless adjustments from below the ceiling

* 3⁄32″ Allen Key **(LU332ALLEN)** ordered separately



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## 1. Specify downsizer ring part number — DOWNSIZER RING

Example: LU37RD6DSR

| ELIUM | SIZE | | STYLE | | DOWNSIZER RING | |
|---|---|---|---|---|---|---|
| LU | | | | | | |
| **LU** | **37** | 3″ | **RD** | Round | **6DSR** | 6″ Downsizer Ring |
| | | | **SQ** | Square | | |

## 2. Specify module part number — MODULE

Example: LU10DX30-F

| ELIUM | TYPE | | COLOR TEMPERATURE | | BEAM | |
|---|---|---|---|---|---|---|
| LU | | | | | | |
| **LU** | **10DX** | CREE PRO9 Chip, CRI 95+<br>1000 lm, 0-10V, Triac/ ELV 1% Dimming<br>120-277V Input | **24** | 2400K | **-S**[2] | 15° |
| | | | **27** | 2700K | **-N** | 24° |
| | | | **30** | 3000K | **-F** | 36° |
| | | | **35** | 3500K | **-W** | 50° |
| | | | **40** | 4000K | | |
| | **10DX** | LED COB | **SD**[1] | Dim to Warm Bridgelux, 3000K to 1800K | | |

[1] Automatically dims from 3000K to 1800K.

[2] Not for **SD** option

### SECONDARY MODULE OPTICS*

| L45 | L57 | L51 | L49 | L47 |
|---|---|---|---|---|
| Black Louver | White Louver | CCT Reducer | Frosted Lens | Solite Lens |

*Module Fits up to 4 secondary optics

### SOCKET ADAPTERS

| PSA30 | PSA31 | PSA38 | PSA38-22 |
|---|---|---|---|
| E26 Medium Base Adapter | GU10 Base Adapter | Hard Wire Adapter | 22″ Rewiring Kit Hard Wire Adapter |

For retrofitting existing housings (adapters to male Quick Connect)

## 3. Specify trim part number — TRIM

Example: LU37RD10LS72W

| ELIUM | SIZE | | SHAPE | | STYLE | | TRIM | | LENS | | FINISH | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LU | | | | | | | | | | | | |
| **LU** | **37** | 3″ | **RD** | Round | **10** | Bevel | **LS** | Flangeless[2,3] | **(Blank)** | Open, No Lens[4,6] | **W** | All White[8] |
| | | | **SQ** | Square | **27** | Pinhole | | | **72** | Clear Lens[5,6] | **BB** | All Black |
| | | | | | **33** | Wall Wash[1] | | | **83** | Solite Lens[5,6] | **BZ** | All Bronze |
| | | | | | | | | | **94** | Linear Lens[5,7] | **HH** | All Haze |
| | | | | | | | | | | | **CC** | Custom Color |

[1] Requires Linear Lens (94 lens option)
[2] Works with all ceiling thicknesses (2″+ thick ceilings may limit adjustment).

[3] Requires Spackle Frame - ordered separately

[4] Damp Location
[5] Wet Location
[6] Not available for Wall Wash Trim
[7] For Wall Wash trim only

[8] White trims are field paintable

### ACCESSORIES

| ALLEN KEY |
|---|
| **LU332ALLEN** |



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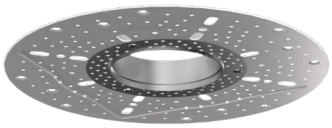
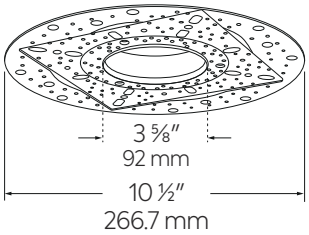
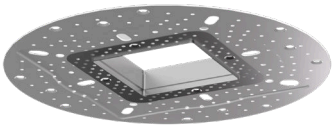
# PRODUCTS

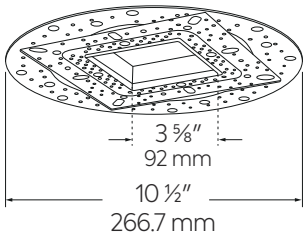
## DOWNSIZER RING






Round

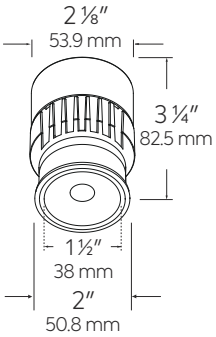





Square

## Module

ELIUM Module




## Accessories

Black Louver
**L45**

White Louver
**L57**

CCT Reducer
**L51**

Frosted Lens
**L49**

Solite Lens
**L47**

Lenses
**LUP15D** (15°)
**LUP24D** (24°)
**LUP36D** (36°)
**LUP50D** (50°)

## Socket Adapters

**PSA30**

E26 Medium
Base Adapter

**PSA31**

GU10 Base
Adapter

**PSA38**

Hard Wire
Adapter

**PSA38-22**

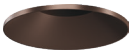
22″ Rewiring Kit
Hard Wire Adapter

## Trims

Flangeless Round Bevel



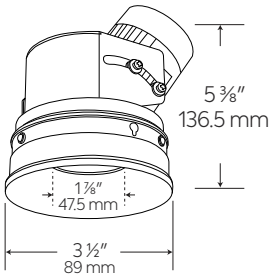
White



Bronze

Black

All Haze



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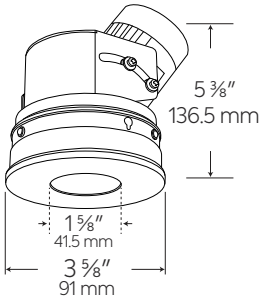
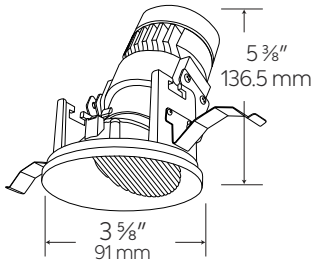
## Trims

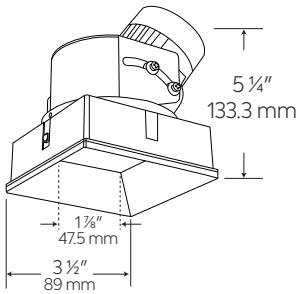
Flangeless Round Pinhole



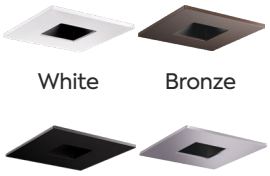
Flangeless Round Wall Wash

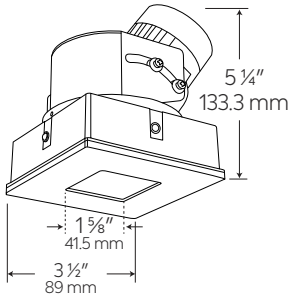


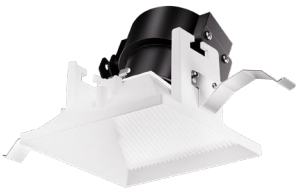
Flangeless Square Bevel



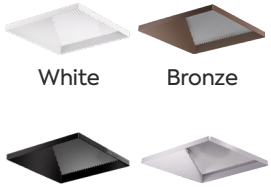
Flangeless Square Pinhole

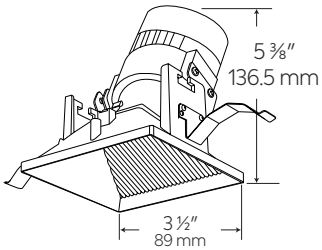


Flangeless Square Wall Wash



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## TECHNICAL SPECIFICATIONS

### OPTICS:

- Polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology.
- Standard lens is shatterproof.

### CONSTRUCTION:

- **LIGHT ENGINE:** Diecast aluminum body with heat fins allow for efficient cooling
- **DOWNSIZER RING:** Made of high quality metal.
- **TRIMS:** Diecast aluminum trims with powder coated finish.

### INSTALLATION:

- Twist-on design for toolless trim installation. Module must be installed into an enclosed housing.
- Must be used with enclosed housings, not compatible with open frames. For open frame options consult factory.

### DISCLAIMER:

- Downsizer ring may limit can from being removed from ceiling, installer is responsible to make sure they still have access to the housing's junction box after installing downsizer ring.

### LED TECHNOLOGY:

- Extremely accurate Color Rendering Index of 95+. Lumen Maintenance of 50,000 hours L70.
- Life based on LM80 standardized test results. Superior Thermal Management by utilizing integrated heatsink.
- Instant On to Full Brightness technology. No LED pixilation.

### ELECTRICAL:

- Module connects to 120-277V power supply. High efficiency driver with a power factor >0.9. Start time of less than 0.75 seconds.

### DIMMING:

- Works with 120-277V input. 120V Triac/ELV type dimmers and 120V or 277V 0-10V dimmers.
- Dims down to 1%. For full list of dimmers, refer to the Dimmer Compatibility list.
- Industry leading dimming that dims smoothly with no hot spots or flickering

### SUNSET:

- Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed.
- For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

### LISTINGS:

- RoHS Compliant. Meets Energy Star & California Title 24 JA8-2025-E standards

## MODULE - LUMEN MULTIPLIER

| CCT | MULTIPLIER | BEAM ANGLE | MULTIPLIER | LENSES | MULTIPLIER |
|---|---|---|---|---|---|
| **2700K** | 0.96 | **15°** | 0.84 | **L45** - Black Louver | 0.95 |
| **3000K** | 1 | **24°** | 0.89 | **L57** - White Louver | 0.96 |
| **3500K** | 1.05 | **36°** | 1 | **L47** - Optic Spread | 0.93 |
| **4000K** | 1.085 | **50°** | 1.065 | **L49** - Frosted Lens | 0.85 |
| **SD** | 0.80 | | | **L51** - CCT Reducer | 0.90 |
| | | | | **Trim 72** - Clear Lens | 0.95 |
| | | | | **Trim 83** - Solite Lens | 0.87 |



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## DIMMER COMPATIBILITY CHART

### FOR REFERENCE ONLY

Testing conducted by ELIUM Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| MANUFACTURER | PRODUCT | PART NUMBER | DIMMED LIGHT OUTPUT RANGE |
|---|---|---|---|
| **120V - Triac/ELV Dimmers for LU29RD, LU29SQ, LU37RD, LU37SQ, LU45RD & LU45SQ Series** | | | |
| Leviton | 120V AC 60Hz, 300W Electronic Low Voltage, 400 Volt Amp, Single Pole, 3-Way | IPE04 | 1% - 100% |
| | 120V AC 60Hz, 300W CFL or 600W Incandescent, 400 Volt Amp, Single Pole, 3-Way | 6673-10W | 1% - 100% |
| | 120V AC, 600W Incandescent with LED Locator, Single Pole, 3-Way | VP106 | 1% - 100% |
| | 120V AC 60Hz, 500W Incandescent with LED Level Indicator, Single Pole, 3-Way | 6161 | 1% - 100% |
| | 120V AC, 150W LED/CFL or 600W Incandescent, Single Pole, 3-Way | 6674 | 1% - 100% |
| Lutron | 120V AC, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | RRD-6CL | 1% - 100% |
| | 120V AC 60Hz, 150W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way | DVCL-153P | 1% - 100% |
| | 120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | TGCL-153P | 1% - 100% |
| | 120V AC 60Hz, 300W Electronic Low Voltage, 3-Way, Commercial/Residential Application | DVELV-303P | 1% - 100% |
| | 120V, 600W Incandescent/Halogen, Single Pole, Residential Indoor Application | TG-600P | 1% - 100% |
| | 120V, 1000W Incandescent or 600W Magnetic Low Voltage, Single Pole, 3-Way | CT103P | 1% - 100% |
| | 120V AC 60Hz, 600W Electronic Low Voltage, Single Pole/Multi-Location | MAELV600 | 1% - 100% |
| | 120V AC 60Hz, 500W Electronic Low Voltage, Single Pole/Multi-Location | FAELV500 | 1% - 100% |
| | 120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, Slide-to-Off Dimmer | S-600P | 1% - 100% |
| | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | SCL-153P | 1% - 100% |
| | Caséta® Wireless Dimmer | PD-6WCL | 1% - 100% |
| | 120V AC 60Hz, Low Voltage Load Type, 150W Single Pole | DVLV-600P | 5% - 100% |
| | 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential and Commercial Application | DV-603P | 1% - 100% |
| | 120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application | MA-PRO | 1% - 100% |
| | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | MACL-153M | 1% - 100% |

***NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross-reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.

amazon alexa | Google Assistant | Apple HomeKit | INSTEON | LUTRON | wemo



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|---|---|---|---|
| **120V - Triac/ELV Dimmers for LU29RD, LU29SQ, LU37RD, LU37SQ, LU45RD & LU45SQ Series** | | | |
| Eaton | 120V AC, 300W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way | TAL06P1-C1 | 1% - 100% |
| Cooper | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way | SLC03P / DAL06P | 1% - 100% |
| | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent, Single Pole, 3-Way, Residential | DLC03P | 1% - 100% |
| | 120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way | RI061-VW-K2 | 1% - 100% |
| | 120V AC 60Hz, 300W LED/CFL/ Incandescent/Halogen, Single Pole, 3-Way | AAL06A-C2 | 1% - 100% |
| Lightolier | 120V, 260W Incandescent/Halogen, Single Pole, 3-Way | ZP260QEW | 1% - 100% |

| | | | |
|---|---|---|---|
| **0-10V Type Dimmers - 120/277V for LU29RD, LU29SQ, LU37RD, LU37SQ, LU45RD & LU45SQ Series** | | | |
| Lutron | 120/277V AC, 0-10V LED/CFL Ballast, Single Pole, 3-Way | NFTV | 1% - 100% |
| | 120/277V AC, 0-10V, Single Pole, 3-Way, Commercial and Residential, Indoor Application | DVSTV | 1% - 100% |
| | 120/277V AC 50/60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way, Indoor Application | DVTV | 1% - 100% |
| Leviton | 120/277V AC 60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way | IP710-DL | 1% - 100% |

***NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

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