ELIUM™

PRECISION ILLUMINATED®

Project Name:

Fixture Type:

Date:

ELIUM™ Downsizer Ring to 4″ Downlights

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

4″ 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 5″, 6″, and 8″ housings.
- 3 Part System: Downsizer Ring, Module, & Trim.
- Title 24 JA8-2025-E
- Lockable gear adjustment up to 40° 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. Optional 0.1% dimming.
- Flangeless options only
- Precision single piece die-cast trims.
- 50,000 hours lifespan L70.

SPECIFICATIONS

WATTAGE:	5W – 19W
LUMENS:	1000 lm
VOLTAGE:	120-277V
COLOR TEMP:	2400K, 2700K, 3000K, 3500K, 4000K, Sunset Dim to Warm
DIMMABLE:	0-10V, Triac, ELV (1%)
UL LISTED:	Damp & Wet location options
BEAM ANGLE:	15°, 24°, 36°, 50°
CRI:	95+

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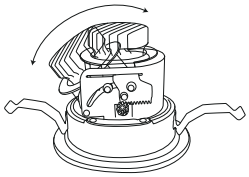
4″ ELIUM™ 3-PART SYSTEM: DOWNSIZER RING, MODULE & TRIM

Clear and Solite
Lens Options

Flangeless **Millwork Options**



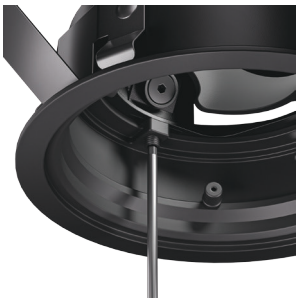
0°–40° adjustability
359° rotation

LOCKABLE HOT AIMING GEAR ADJUSTMENT FROM BELOW

Adjustability

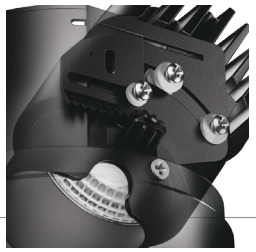
Hot Aiming from below the ceiling using a 3⁄32″ Allen Key

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: LU45RD6DSR

ELIUM	SIZE	STYLE	DOWNSIZER RING
LU			
LU	**45** 4″	**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+ 1000 lm, 0-10V, Triac/ ELV 1% Dimming 120-277V Input	**24** 2400K **27** 2700K **30** 3000K **35** 3500K **40** 4000K	**-S**[2] 15° **-N** 24° **-F** 36° **-W** 50°
	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: LU45RD10LS72W

ELIUM	SIZE	SHAPE	STYLE	TRIM	LENS	FINISH
LU						
LU	**45** 4″	**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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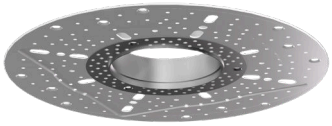
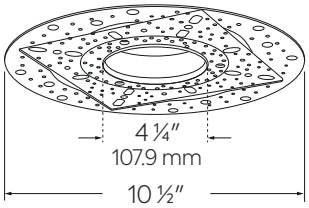
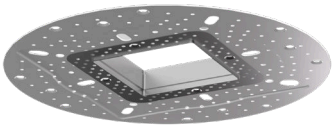
PRODUCTS

DOWNSIZER RING

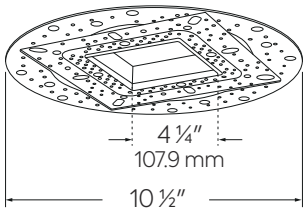


ROUND



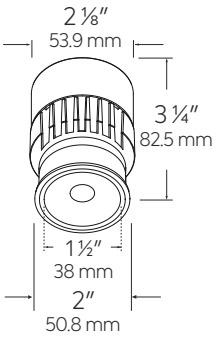


SQUARE



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

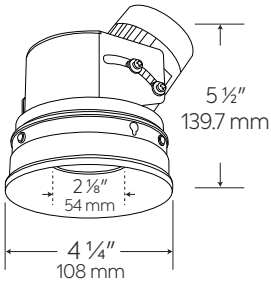
Hard Wire
Adapter

PSA38-22

22″ Rewiring Kit
Hard Wire Adapter

Trims

Flangeless Round Bevel



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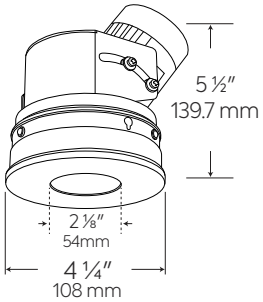
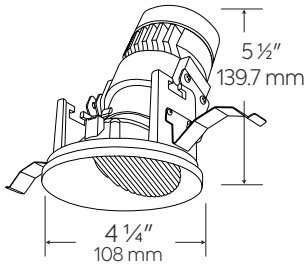
Trims

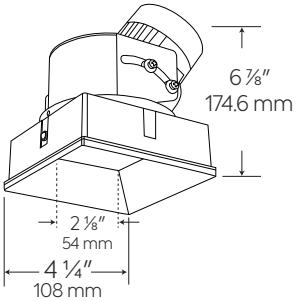
Flangeless Round Pinhole



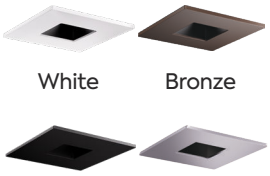
Flangeless Round Wall Wash

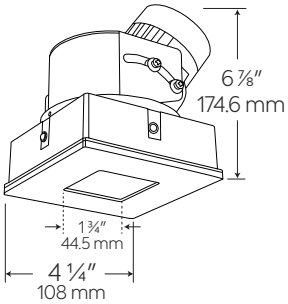


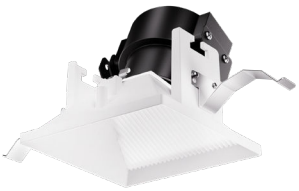
Flangeless Square Bevel



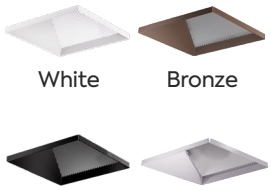
Flangeless Square Pinhole

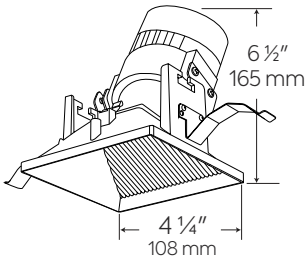






Flangeless Square Wall Wash





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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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