

Project Name: _____

Fixture Type: _____

Date: _____



3" ELIUM™ Commercial Gear Adjustable Downlights

IC rated up to 1,500 lumens and Non-IC up to 3,500 lumens. 120–277V, Triac, ELV, 0–10V.

New Construction, remodel/retrofit. Round, Square, Flanged and Flangeless.

3" ELIUM TRIMS



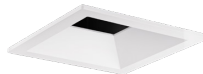
Round Bevel



Round Pinhole



Round Wall Wash



Square Bevel



Square Pinhole



Square Wall Wash



Flangeless Round
Bevel



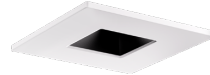
Flangeless Round
Pinhole



Flangeless Round
Wall Wash



Flangeless Square
Bevel



Flangeless Square
Pinhole



Flangeless Square
Wall Wash

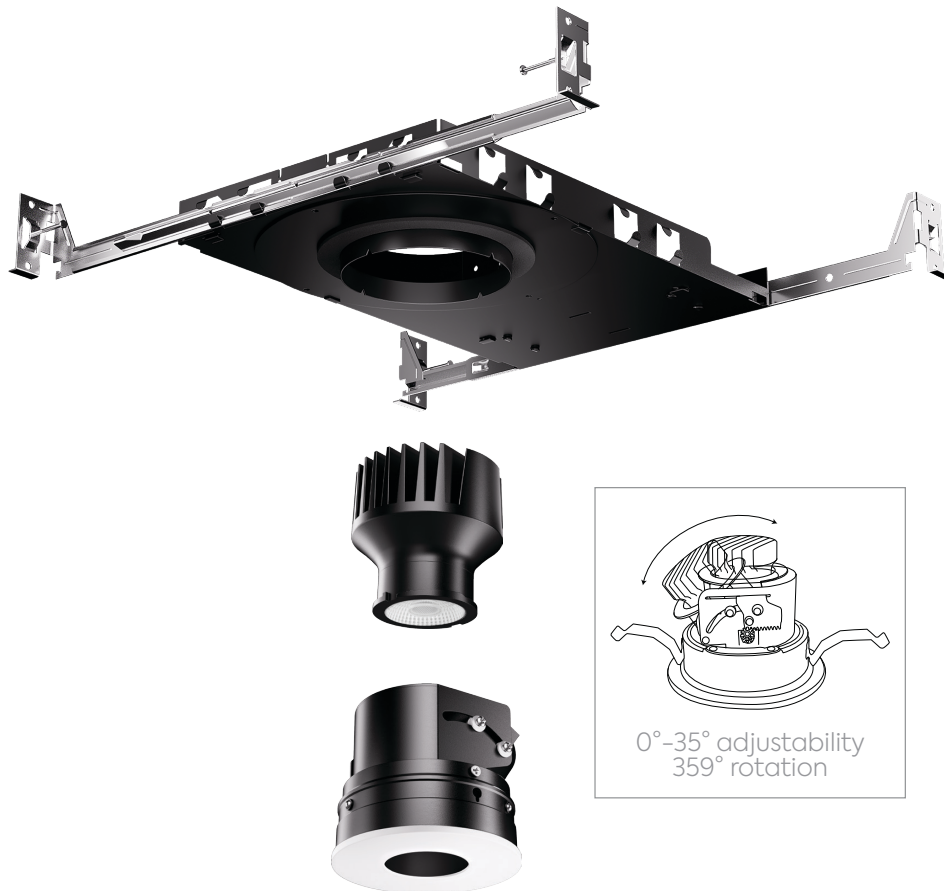
FEATURES

- 3 Part System: Frame, Module, & Trim
- UL listed for direct contact with insulation up to 1,500 lumens, UL listed as non-IC up to 3,500 lumens
- Title 24 JA8-2022-E up to 1,500 lumens
- Lockable gear adjustment up to 35° center axis tilt and 359° rotation, adjusted with 1/8" Allen Key from below the ceiling
- Patented LED Module with in field changeable optic
- Standard Dimming to 1% with 0–10V, Triac and ELV dimmers. Optional 0.1% dimming
- Compatible with ceilings up to 2" thick (2" thick ceilings may limit tilt)
- Flanged and flangeless options
- Precision single piece die-cast trims
- 50,000 hours lifespan L70

SPECIFICATIONS

WATTAGE:	6W – 32W
LUMENS:	750 lm – 3500 lm
VOLTAGE:	120–277V
COLOR TEMP:	2700K, 3000K, 3500K, 4000K,
DIMMABLE:	0–10V, Triac, ELV (1%), 0–10V (0.1%), Dali2 (0.1%), LUTRON HI-LUME (0.1%)
UL LISTED:	Damp & Wet location options
BEAM ANGLE:	15°, 24°, 36°, 50°
CRI:	95+

3" ELIUM™ 3-PART SYSTEM: FRAME, MODULE & TRIM



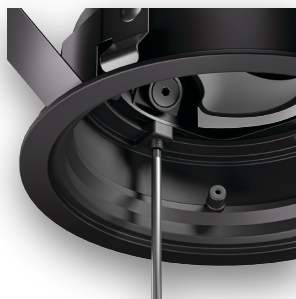
LOCKABLE HOT AIMING GEAR ADJUSTMENT FROM BELOW

Adjustability



Hot Aiming from below the ceiling using a 1/8" Allen Key

Rotation Lock



359° Lockable Rotation with 1/8" Allen Key*

Lockable Gear Adjustment



Easy access for quick and effortless adjustments from below the ceiling



* 1/8" Allen Key (**LU332ALLEN**) ordered separately

1. Specify frame part number

FRAME

Example: LUCM37RDX07

ELIUM	SIZE	STYLE	DRIVER	LUMENS/WATTAGE	OPTIONAL EM
LUCM					
LUCM	37 3"	RD Round (New Construction) SQ Square (New Construction) REM Remodel/Retrofit ¹	X 120-277V, 0-10V, Triac/ELV 1% ED EldoLed, 0-10V 0.1% AL EldoLed, Dali 2 0.1% LN Lutron, Hi-Lume	07 750 lm (6W) ² 10 1000 lm (8W) ² 12 1250 lm (11W) ² 15 1500 lm (14W) ² 20 2000 lm (19W) ³ 25 2500 lm (23W) ³ 30 3000 lm (29W) ³ 35 3500 lm (32W) ³	(Blank) No EM EM5 25W EM, 90 min

¹ Remodel is available up to 2500 lm, no frame

² IC rated for direct contact with insulation, cUL up to 1500 lumens (14W)
³ Non-IC, for use without insulation, or keep insulation 3" away from fixture. 2000 (19W) - 3500 (32W) lumens

2. Specify module part number

MODULE

Example: LUCM3530D-S

ELIUM	TYPE	COLOR TEMPERATURE	BEAM
LUCM			
LUCM	35 CREE PRO9 Chip, CRI 95+	27D 2700K 30D 3000K 35D 3500K 40D 4000K	-S 15° -N 24° -F 36° -W 50°

SECONDARY MODULE OPTICS*

L45 Black Louver	L57 White Louver	L51 CCT Reducer	L49 Frosted Lens	L58 Solite Lens
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*Module Fits up to 4 secondary optics

3. Specify trim part number

TRIM

Example: LU37RD10T72W

ELIUM	SIZE	SHAPE	STYLE	TRIM	LENS	FINISH
LU						
LU	37 3"	RD Round SQ Square	10 Bevel 27 Pinhole 33 Wall Wash ¹	T Flanged ² LS Flangeless ^{3,4}	(Blank) Open, No Lens ^{5,7} 72 Clear Lens ^{6,7} 83 Difused Lens ^{6,7} 94 Linear Lens ^{6,8}	W All White BB All Black

¹ Requires Linear Lens (94 lens option)

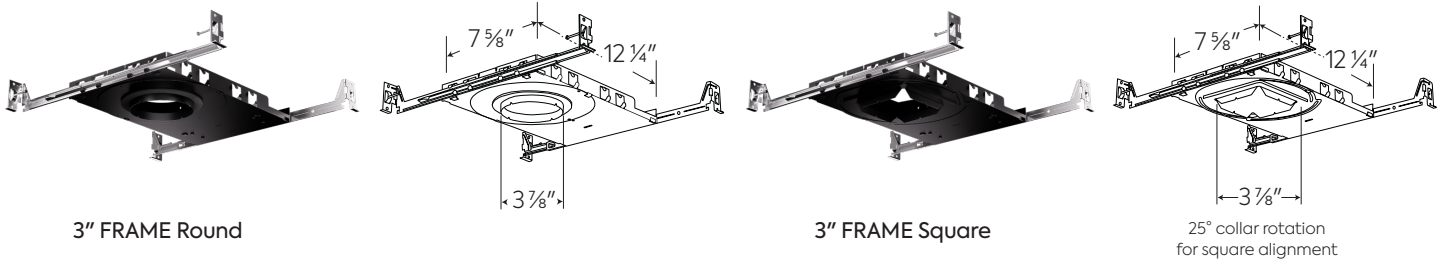
² For ceiling thickness up to 2"
³ For ceiling thickness up to 3.5"
⁴ Requires Spackle Frame, ordered Separately

⁵ Damp Location
⁶ Wet Location
⁷ Not available for Wall Wash Trim
⁸ For Wall Wash trim only

ACCESSORIES		
ROUND SPACKLE FRAME	SQUARE SPACKLE FRAME	ALLEN KEY
LU37RDSF	LU37SQSF	LU332ALLEN

PRODUCTS

Frames



3" FRAME Round

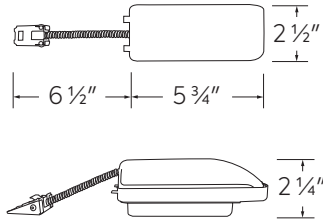
3" FRAME Square

25° collar rotation
for square alignment

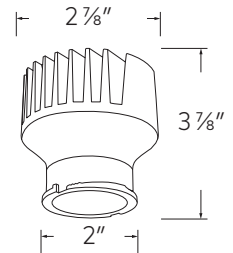
Remodel/Retrofit



ELIUM Remodel/Retrofit



ELIUM Commercial Module



Accessories



Trims



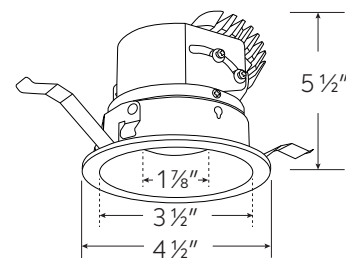
Round Bevel



White



Black



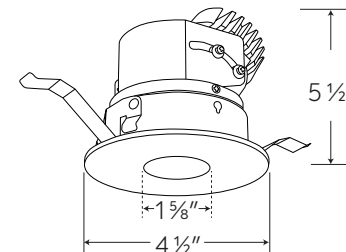
Round Pinhole



White



Black



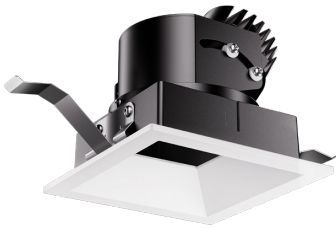
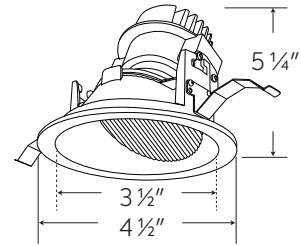


Round Wall Wash



White

Black

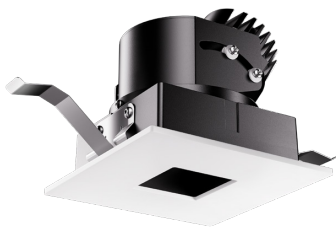
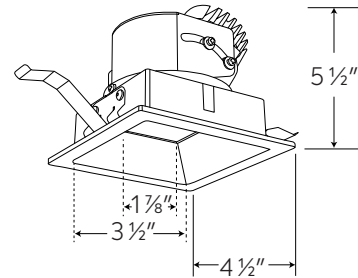


Square Bevel



White

Black

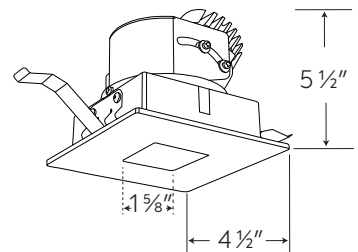


Square Pinhole



White

Black

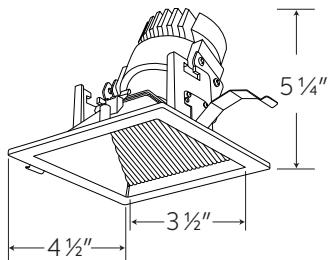


Square Wall Wash



White

Black

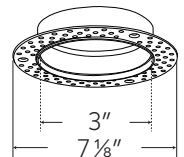
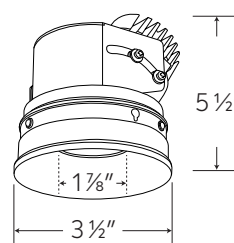


Flangeless Round Bevel



White

Black



Spackle Frame
Ordered Separately

LU37RDSF



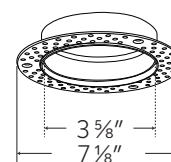
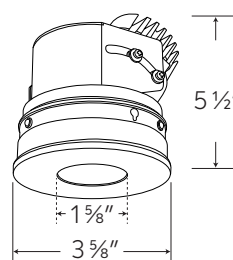
Flangeless Round Pinhole



White



Black



Spackle Frame
Ordered Separately

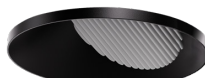
LU37RDSF



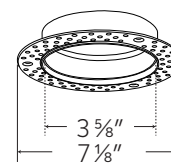
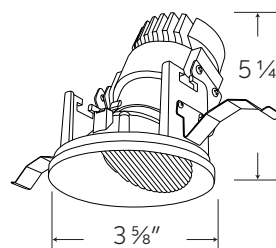
Flangeless Round Wall Wash



White



Black



Spackle Frame
Ordered Separately

LU37RDSF



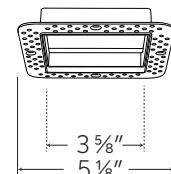
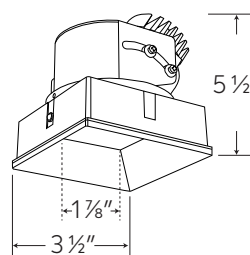
Flangeless Square Bevel



White



Black



Spackle Frame
Ordered Separately

LU37SQSF



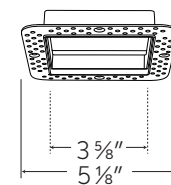
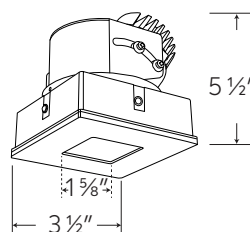
Flangeless Square Pinhole



White

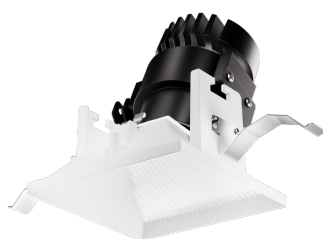


Black



Spackle Frame
Ordered Separately

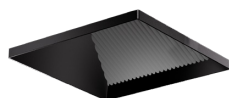
LU37SQSF



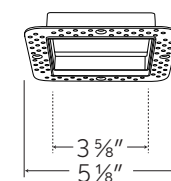
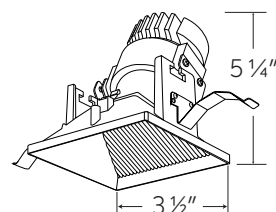
Flangeless Square Wall Wash



White



Black



Spackle Frame
Ordered Separately

LU37SQSF

TECHNICAL SPECIFICATIONS

The ELIUM Commercial Downlight is a modular, high-performance recessed lighting system designed for versatility and ease of installation. The system consists of three key components: Frame, Module, and Trim Mechanism. The module securely twists onto the trim mechanism and connects to the housing via a quick-connect system. Both the module and driver are fully serviceable from below the ceiling.

HOUSING:

Designed for ceiling plenums with 2 x 6 joists or taller.

- High-strength hanger bars can be easily nailed to joists.
- Compatible with T-grid and drop ceiling applications.
- Adjustable hanger bars extend from 7.5" to 24".
- Accessible driver mounted on the frame for easy servicing.
- Rotatable square collar ensures precise square alignment.
- Knockouts for easy wiring:
 - Two 3/4" knockouts
 - Seven 1/2" trade-size conduit knockouts
 - One 3/8" knockout
 - Four pry-out knockout slots for Romex wiring

EMERGENCY OPTIONS:

- 90-minute emergency battery backup with remote test switch.

OPTICS:

- Precision-engineered PIR optics available in 15°, 24°, 36° and 50° beam spreads.
- Field-changeable secondary lenses available—no accessory holder required. Module can hold up to 4 secondary lenses.

LED TECHNOLOGY:

CREE COB LED for superior performance.

- 95+ CRI for exceptionally accurate color rendering.
- 50,000-hour L70 lifespan based on LM80 test standards.
- Advanced thermal management with integrated heat sink.
- Instant-on to full brightness with no visible LED pixilation.

ADJUSTABILITY:

- Adjustable from below the ceiling while keeping the light centered with the trim opening.
- 35° tilt adjustment, set using a 1/8" Allen key with an Automatic locking mechanism ensures secure positioning.
- Lockable 359° rotation for precise aiming.

MODULE - LUMEN MULTIPLIER

CCT	MULTIPLIER	BEAM ANGLE	MULTIPLIER
2700K	0.96	18°	0.84
3000K	1	25°	0.89
3500K	1.05	36°	1
4000K	1.085	60°	1.065
		90°	0.95

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 LU37RD Series, LU37SQ Series, LU45RD Series & 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.



DIMMER COMPATIBILITY CHART

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MANUFACTURER	PRODUCT	PART NUMBER	DIMMED LIGHT OUTPUT RANGE
120V – Triac/ELV Dimmers for LU37RD Series, LU37SQ Series, LU45RD Series & 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 LU37RD Series, LU37SQ Series, LU45RD Series & 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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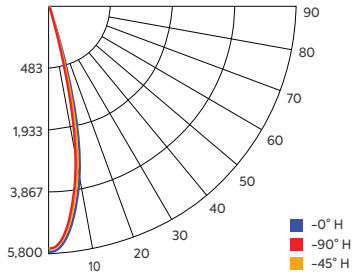
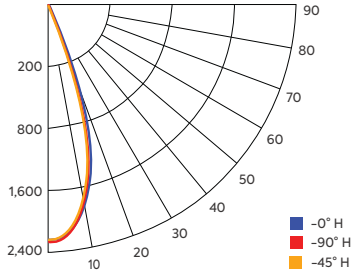
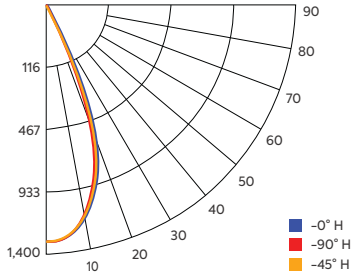
PHOTOMETRIC REPORT

3" Round Bevel

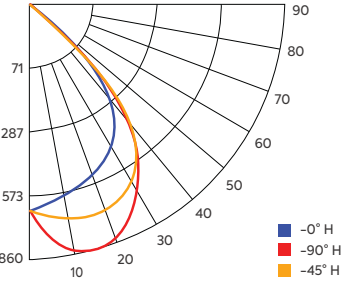
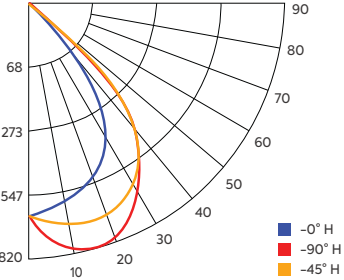
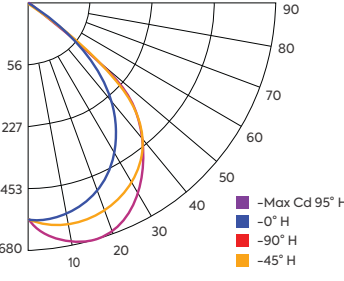
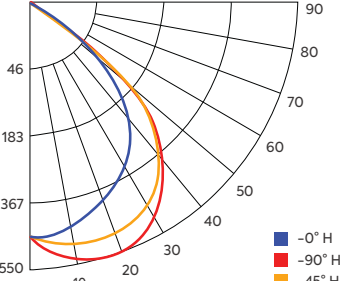
PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD10TW (Tilted at 0°, 1500lm); 15° Wattage: 12.60W Delivered Lumens: 1875.1 lm Luminaire LPW: 144.46 lm/W	Degress Vertical0° 06046 55225 151621 25293 3521 456 554 653 750 850 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'3781.6' 6'1682.4' 8'94.53.2' 10'60.54.0' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°1,115.797.3 0-40°1,138.399.3 0-60°1,144.699.9 0-90°1,146.2100
PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD10TW (Tilted at 0°, 1500lm); 24° Wattage: 12.62W Delivered Lumens: 1875.1 lm Luminaire LPW: 148.58 lm/W	Degress Vertical0° 04849 54376 151917 25520 3554 456 554 653 750 850 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'3031.8' 6'1352.7' 8'75.83.5' 10'48.54.4' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°1,115.996.1 0-40°1,153.899.3 0-60°1,160.099.9 0-90°1,161.6100
PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD10TW (Tilted at 0°, 1500lm); 36° Wattage: 12.66W Delivered Lumens: 1875.1 lm Luminaire LPW: 148.11 lm/W	Degress Vertical0° 02372 52276 151621 25717 35175 456 555 655 751 850 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'1482.9' 6'65.94.4' 8'37.15.8' 10'23.77.3' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°1,014.589.5 0-40°1,119.998.8 0-60°1,130.299.7 0-90°1,133.4100
PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD10TW (Tilted at 0°, 1500lm); 50° Wattage: 12.93W Delivered Lumens: 1875.1 lm Luminaire LPW: 145.01 lm/W	Degress Vertical0° 01393 51430 151297 25926 35364 4512 555 655 751 850 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'80.74.0' 6'38.76.1' 8'21.88.1' 10'13.910.1' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°824.577.7 0-40°1,027.696.9 0-60°1,057.499.7 0-90°1,060.7100

PHOTOMETRIC REPORT

3" Round Pinhole

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD27TW (Tilted at 0°, 1500lm); 15° Wattage: 12.98W Delivered Lumens: 1875.1 lm Luminaire LPW: 144.46 lm/W 	Degress Vertical0° 05581 55171 151891 25111 356 453 553 654 756 853 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'3491.4' 6'1552.1' 8'87.22.8' 10'55.83.5' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°798.198.5 0-40°801.898.9 0-60°805.799.4 0-90°810.4100
PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD27TW (Tilted at 0°, 1500lm); 36° Wattage: 12.59W Delivered Lumens: 1875.1 lm Luminaire LPW: 148.93 lm/W 	Degress Vertical0° 02327 52234 151286 25288 355 453 554 656 758 854 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'1452.1' 6'64.63.2' 8'36.44.3' 10'23.35.4' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°627.397.7 0-40°630.698.2 0-60°635.599 0-90°642.0100
PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD27TW (Tilted at 0°, 1500lm); 50° Wattage: 12.63W Delivered Lumens: 1875.1 lm Luminaire LPW: 148.46 lm/W 	Degress Vertical0° 01353 51328 151053 25464 354 452 554 656 758 854 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'84.63.0' 6'37.64.5' 8'21.15.9' 10'13.57.4' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°558.596.4 0-40°567.197.9 0-60°572.498.8 0-90°579.2100

PHOTOMETRIC REPORT | 3" Round Wall Wash with Linear Lens

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY	ILLUMINANCE AT A DISTANCE
Product #: LU37RD33T94W (1500lm); 15° Wattage: 12.87W Delivered Lumens: 1875.1 lm Luminaire LPW: 145.69 lm/W 	Degress Vertical0° 0620 5611 15550 25447 35329 45218 55115 6536 758 852 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'38.73.6' 6'17.25.4' 8'9.687.2' 10'6.209.0' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°435.148.1 0-40°643.171.1 0-60°880.997.4 0-90°904.8100
Product #: LU37RD33T94W (1500lm); 24° Wattage: 12.63W Delivered Lumens: 1875.1 lm Luminaire LPW: 148.46 lm/W 	Degress Vertical0° 0615 5607 15549 25450 35336 45228 55129 6543 759 853 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'38.53.9' 6'17.15.8' 8'9.627.7' 10'6.159.6' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°429.746.8 0-40°640.269.7 0-60°893.297.2 0-90°919.0100
Product #: LU37RD33T94W (1500lm); 36° Wattage: 12.62W Delivered Lumens: 1875.1 lm Luminaire LPW: 148.58 lm/W 	Degress Vertical0° 0552 5549 15510 25436 35342 45241 55133 6538 7510 853 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'34.54.5' 6'15.36.8' 8'8.629.0' 10'5.5211.3' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°390.144.6 0-40°593.167.8 0-60°848.696.9 0-90°875.4100
Product #: LU37RD33T94W (1500lm); 50° Wattage: 12.62W Delivered Lumens: 1875.1 lm Luminaire LPW: 148.58 lm/W 	Degress Vertical0° 0465 5461 15426 25368 35296 45218 55131 6539 7511 853 900	Distance to Target PlaneCenter Beam FootcandlesBeam Diameter 4'29.15.2' 6'12.97.8' 8'7.2710.4' 10'4.6513.0' ZONAL LUMEN SUMMARY ZoneLumens%Luminaire 0-30°337.441.7 0-40°523.764.7 0-60°781.496.5 0-90°809.6100