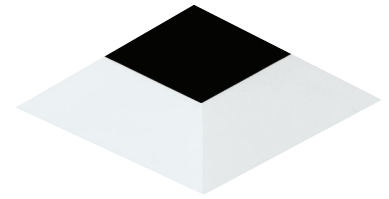


# ELEMENT™ 3" LED

## ADJUSTABLE DOWNLIGHT



SHOWN IN FLANGELESS BEVEL SQUARE

The ELEMENT 3" Next Generation Adjustable recessed downlight features full adjustability with lockable, tool-free, hot aiming. ELEMENT's patented high/low lamp positioning allows the LED to be positioned closer to the aperture for maximum light output and efficiency or higher in the ceiling to minimize glare and flash on the trim. Options include premium warm dimming, tunable white, Xicato and Xicato Artist Series LED modules. Trim options include flanged or flangeless and flangeless in wood ceiling.

- Housing reduced by 60%
- Tool-free aiming/locking: 0-40° tilt, 361° rotation
- Patented high/low lamp positioning
- 1-step static white, 2-step warm dim and tunable white
- Standard dimming down to 1%
- Trims reflector options
- Solite Soft Focus lens option

### LUMEN/CBCP MULTIPLIERS

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
2700K	1.12	0.98
3000K	1.18	1.00
3500K	1.22	1.01

Lumen output will vary by CCT and CRI. See photometric charts for output information.

### SPECIFICATIONS

	STATIC WHITE		XICATO		WARM DIM		TUNABLE WHITE	
	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES	HIGH OUTPUT	LOW OUTPUT	5000K-2700K (3000K)	4000K-1800K (3000K)
DELIVERED LUMENS	1697/1440	1303/1106	1129	945	1225	941	1174	1209
WATTS	16	12	15	15	16	12	15	15
EFFICACY	106/90	109/92	75	63	77	78	78	81
CRI	80+/90+		80+	95+	90+		90+	
CBCP	10° - 24,575   18° - 5,639 25° - 5,033   40° - 2,739 60° - 1,699		21° - 3,184   43° - 2,733 60° - 1,014 (Values at 80 CRI)		18° - 4,793   25° - 4,221 40° - 2,328   60° - 1,444		18° - 5,019   25° - 4,220 40° - 2,438   60° - 1,512	
CCT	2700K, 3000K, or 3500K		2700K, 3000K, or 3500K <sup>3</sup>		3000K - 1800K		5000K - 2700K	4000K - 1800K
COLOR CONSISTENCY	1-step		1 X 2-step		2-step		2-step	
VOLTAGE	120V or 277V							
DIMMING <sup>1</sup>	Standard reverse-phase, forward-phase, TRIAC, and 0-10V dimming down to 1% eldoLED 0-10V or DALI-2 down to 0.1% Lutron Hi-Lume EcoSystem down to 0.1%						eldoLED 0-10V or DALI-2 down to 0.1%	
POWER SUPPLY	Constant current driver with +.9 power factor and +80% efficiency							
OPTICS	Field changeable: 10°, 18°, 25°, 40°, or 60° TIR		Field changeable: 21°, 43°, or 60° reflector		Field changeable: 18°, 25°, 40°, or 60° TIR			
ADJUSTABILITY	Lockable, hot-aiming 0-40° tilt, 361° rotation, high/low lamp positioning, 45° collar rotation							
CEILING APPEARANCE	Flanged, Flangeless or Flangeless in Wood Ceiling							
CEILING THICKNESS	Flanged: Up to 2-1/2" Flangeless: No ceiling thickness limitations   Flangeless in Wood Ceiling: 1/2" to 1-1/2" Note: Thicker ceilings impact light cutoff							
CEILING APERTURE	3-7/8" ceiling cutout							
HOUSING	IC Airtight, Non-IC Airtight, Chicago Plenum. IC suitable up to R60 spray foam insulation. Sauna/steam-room use available only with combination of H shower trim, LO low output housing, and I IC housing rating.							
CONSTRUCTION	Housing: Heavy-gauge, cold-rolled steel   Trim: Die-cast aluminum							
FINISH	Housing: Black Powder Coat   Trim: Antique Bronze, Black, Satin Nickel, or White (paintable)							
GENERAL LISTINGS	ETL Listed. Damp Location. Shower version Wet Listed.							
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2019 Title 24 Part 6 (JA8-2016, JA8-2019) (for 90 CRI versions).							
L70	50,000 hours min							
WARRANTY <sup>2</sup>	5 years							

Data in chart reflect 3000K/90 CRI values unless noted.

Custom output/custom RAL/custom CCT available, contact Quotes Department

Ordering grids available on page 2.

<sup>1</sup>See visualcomfort.com for dimmer compatibility.

<sup>2</sup>Visit visualcomfort.com for specific warranty limitations and details.

<sup>3</sup>3500K Xicato module not available for Artist series.

# ELEMENT™ 3" LED

## ADJUSTABLE DOWNLIGHT

### ORDERING GRIDS

#### HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER
<b>E3R</b> ELEMENT 3" ROUND	<b>LF</b> FLANGELESS	<b>-LH</b> HIGH OUTPUT,	<b>827</b> 80 CRI, 2700K, 1-STEP <b>830</b> 80 CRI, 3000K, 1-STEP	<b>0</b> 10° <sup>5</sup> <b>1</b> 18°	<b>A</b> ADJUSTABLE	<b>I</b> IC AIRTIGHT <b>N</b> NON-IC AIRTIGHT	<b>INTEGRATED DRIVERS 120V/277V</b> UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK) <sup>6</sup>
<b>E3S</b> ELEMENT 3" SQUARE	<b>WC</b> WOOD CEILING <sup>1</sup>	<b>16W2</b> <b>-LO</b> LOW OUTPUT, 12W <sup>3</sup>	<b>835</b> 80 CRI, 3500K, 1-STEP <b>927</b> 90 CRI, 2700K, 1-STEP <b>930</b> 90 CRI, 3000K, 1-STEP <b>935</b> 90 CRI, 3500K, 1-STEP <b>WD</b> 90 CRI, 3000-1800K, WARM DIM, 2-STEP <b>TW52</b> 90 CRI, 5000K-2700K, TUNABLE WHITE, 2-STEP <sup>4</sup> <b>TW41</b> 90 CRI, 4000K-1800K, TUNABLE WHITE, 2-STEP <sup>4</sup>	<b>2</b> 25° <b>4</b> 40° <b>6</b> 60°		<b>C</b> CHICAGO PLENUM <b>E</b> EMERGENCY BATTERY (NON-IC / CHICAGO PLENUM)	<b>-ELDO</b> ELDOLED 0.1% 0-10V LINEAR <b>-ELDOA</b> ELDOLED 0.1% 0-10V LOGARITHMIC <b>-ELTD</b> ELDOLED 0.1% DALI-2 <b>-ELTO</b> ELDOLED TUNABLE WHITE 0.1% 0-10V LINEAR <sup>4,7</sup> <b>-ELTD</b> ELDOLED TUNABLE WHITE 0.1% DALI-2 <sup>4,7</sup> <b>-HLECO</b> LUTRON HI-LUME 0.1% ECOSYSTEM
		<b>-X</b> XICATO, HIGH OUTPUT, 14W <sup>8</sup>	<b>127</b> 80 CRI, 2700K, 1X2-STEP, XICATO <b>130</b> 80 CRI, 3000K, 1X2-STEP, XICATO <b>135</b> 80 CRI, 3500K, 1X2-STEP, XICATO <b>A27</b> 95 CRI, 2700K, 1X2-STEP, XICATO ARTIST <b>A30</b> 95 CRI, 3000K, 1X2-STEP, XICATO ARTIST	<b>21</b> 21° XICATO <b>43</b> 43° XICATO <b>60</b> 60° XICATO			
					<b>A</b>		

Trims are required and must be ordered separately.

For dimming details, refer to dimmer compatibility chart.

<sup>1</sup>WC - Wood ceiling option accommodates flangeless trims only.

<sup>2</sup>LH - High output available for wet applications. Not rated for Sauna/Steam-room.

<sup>3</sup>LO - Sauna/steam-room use available only with combination of H shower trim, LO low output housing, and I IC housing rating.

<sup>4</sup>TW52/TW41/ELTO/ELTD - Tunable white only available in high output, only available with ELTO (0-10V, linear), or ELTD (DALI-2). For 0-10V logarithmic dimming consult Quotes Department.

<sup>5</sup>0 - 10° optic has a unique LED module not available with warm dim or tunable white. Changing optics to 18°, 25°, 40° or 60°, will require a new LED module.

<sup>6</sup>Universal dimming is reverse-phase, forward-phase, TRIAC and 0-10V. 277V is only compatible with 0-10V dimming.

<sup>7</sup>ELTO/ELTD - eldoLED tunable white drivers are not compatible with round flangeless (E3RLF) or round wood ceiling (E3RWC) housings.

<sup>8</sup>X - Xicato housings utilize dedicated standard phase, 0-10V, 120V and 277V drivers. If ordering Xicato with standard drivers (non-Lutron or eldoLED), at the end of the item number please specify:

**-010** for 0-10V 120V, **-277** for Phase 277V or **-010-277** for 0-10V 277. For example: E3RLF-XA2743DI-**010** or E3RLF-XA2743DI-**277** or E3RLF-XA2743DI-**010-277**. Due to the size of some of the Xicato Reflectors, it may not be feasible to tilt the fixture in the 'low' position. It is still tiltable in the 'high' position.

#### TRIM

PRODUCT	CEILING APPEARANCE	STYLE	APERTURE	FINISH
<b>E3R</b> ELEMENT 3" ROUND	<b>L</b> FLANGELESS	<b>B</b> BEVEL	<b>-O</b> NO LENS	<b>Z</b> ANTIQUE BRONZE
<b>E3S</b> ELEMENT 3" SQUARE	<b>F</b> FLANGED UP TO 1" CEILING THICKNESS	<b>F</b> FLAT	<b>-H</b> SHOWER <sup>1,2</sup>	<b>B</b> BLACK
	<b>F15</b> FLANGED 1.1"-1.5" CEILING THICKNESS		<b>-L</b> LENSED <sup>2</sup>	<b>S</b> SATIN NICKEL
	<b>F20</b> FLANGED 1.6"-2.0" CEILING THICKNESS			<b>W</b> WHITE
	<b>F25</b> FLANGED 2.1"-2.5" CEILING THICKNESS			

Wood ceiling option accommodates flangeless trims only.

<sup>1</sup>H - Sauna/steam-room use available only with combination of H shower trim, LO output housing, and I IC housing rating. Shower lens includes a gasket.

<sup>2</sup>H, L - Lensed products come with Solite Soft Focus lens.

#### WALL WASH TRIM

PRODUCT <sup>1</sup>	CEILING APPEARANCE	STYLE	FINISH	LED
<b>E3R</b> ELEMENT 3" ROUND	<b>L</b> FLANGELESS	<b>W</b> WALL WASH	<b>-Z</b> ANTIQUE BRONZE	<b>-LED</b>
<b>E3S</b> ELEMENT 3" SQUARE	<b>F</b> FLANGED		<b>-B</b> BLACK <b>-S</b> SATIN NICKEL <b>-W</b> WHITE	
		<b>W</b>	<b>-</b>	<b>-LED</b>

<sup>1</sup>Wall wash trims may be used to convert the ELEMENT Adjustable housing to a wall wash. For dedicated wall wash housings, refer to the ELEMENT 3" Wall Wash specification sheet.

#### REPLACEMENT OPTICS

PRODUCT	BEAM SPREAD
<b>353E4LEDCOPT</b>	<b>18</b> 18° <b>25</b> 25° <b>40</b> 40° <b>60</b> 60°

#### 353E4LEDCOPT

#### REPLACEMENT REFLECTORS

PRODUCT <sup>1</sup>	BEAM SPREAD
<b>352LEDXREF</b>	<b>21</b> 21° <b>43</b> 43° <b>60</b> 60°

#### 352LEDXREF

<sup>1</sup>For use with Xicato modules only.

#### PREMIUM LENS HOLDER

PRODUCT	LENSES
<b>240E3LENSHLDR</b>	<b>1</b> ONE LENS <b>2</b> TWO LENSES

#### 240E3LENSHLDR

Provides more secure mounting of additional lenses than the lens holder that ships with each fixture.  
Not compatible with the 10° beam spread.

#### PLASTER PLATES

PRODUCT <sup>1</sup>	
<b>150E3RPPLT-2</b>	3" PLASTER PLATE   ROUND DIE-CAST METAL <sup>1</sup>
<b>150E3SPPLT-2</b>	3" PLASTER PLATE   SQUARE DIE-CAST METAL <sup>1</sup>
<b>150E3RTPLT-W</b>	3" PLASTER PLATE   ROUND SHEET METAL <sup>2</sup>
<b>150E3STPLT-W</b>	3" PLASTER PLATE   SQUARE SHEET METAL <sup>2</sup>

Used to convert flanged housings into flangeless housings.  
<sup>1</sup>Ships standard with flangeless housings. Round not compatible with Lutron Hi-lume or eldoLED drivers.  
<sup>2</sup>Optional, thinner, meshed sheet-metal mud plates available for minimized plaster feathering to meet installer preference. Round not compatible with Lutron Hi-lume or eldoLED drivers. Square not compatible with eldoLED drivers.

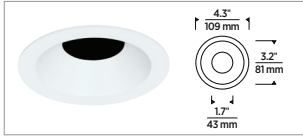


# ELEMENT™ 3" LED

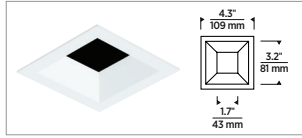
## ADJUSTABLE DOWNLIGHT

### TRIMS

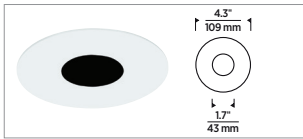
#### FLANGED



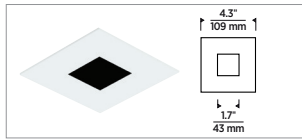
ROUND BEVEL



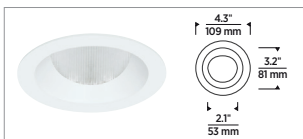
SQUARE BEVEL



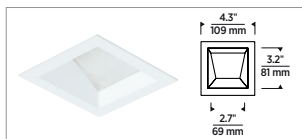
ROUND FLAT



SQUARE FLAT

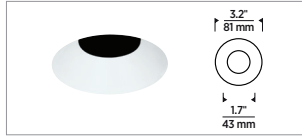


ROUND WALL WASH

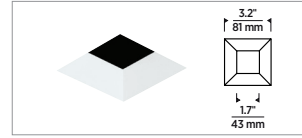


SQUARE WALL WASH

#### FLANGELESS



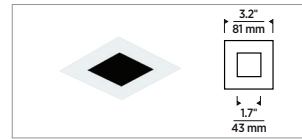
ROUND BEVEL



SQUARE BEVEL



ROUND FLAT



SQUARE FLAT



ROUND WALL WASH



SQUARE WALL WASH

#### FINISH



ANTIQUE BRONZE



BLACK



SATIN NICKEL

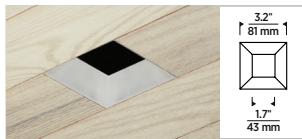


WHITE (PAINTABLE)

#### FLANGELESS IN WOOD CEILING



ROUND BEVEL (ANTIQUE BRONZE)



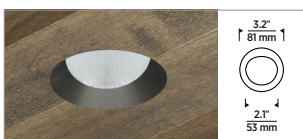
SQUARE BEVEL (SATIN NICKEL)



ROUND FLAT (ANTIQUE BRONZE)



SQUARE FLAT (SATIN NICKEL)



ROUND WALL WASH (ANTIQUE BRONZE)



SQUARE WALL WASH (SATIN NICKEL)

#### LENS OPTION



SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)



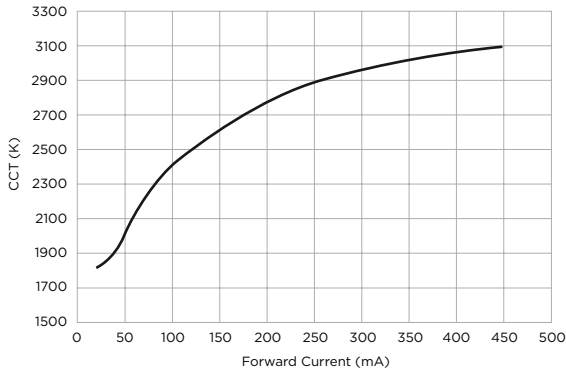
SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

# ELEMENT™ 3" LED

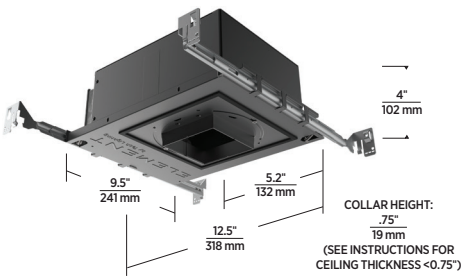
## ADJUSTABLE DOWNLIGHT

WARM DIM CURVE

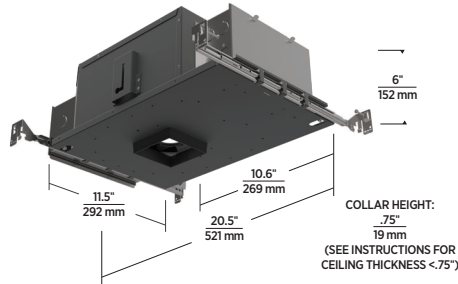
CCT vs. Forward Current,  $T_c=25^{\circ}\text{C}$



HOUSING



IC AIRTIGHT / NON-IC AIRTIGHT / CHICAGO PLENUM



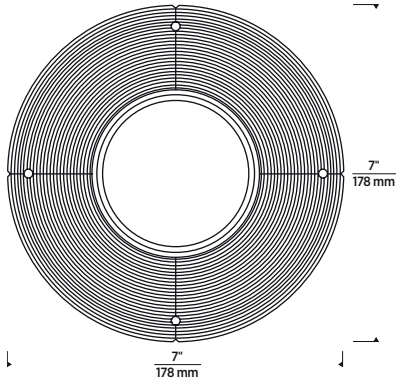
EMERGENCY BATTERY (NON-IC AIRTIGHT / CHICAGO PLENUM)



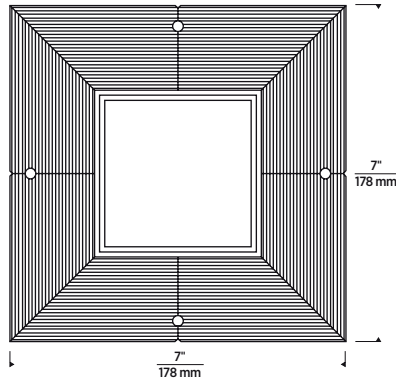
# ELEMENT™ 3" LED ADJUSTABLE DOWNLIGHT

## PLASTER PLATES

### INCLUDED DIE-CAST

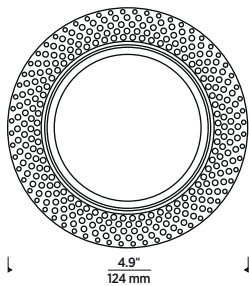


ROUND DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

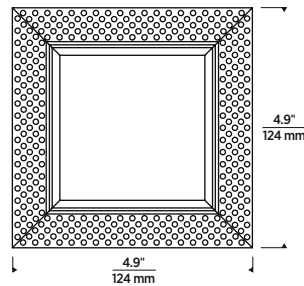


SQUARE DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

### OPTIONAL SHEET METAL

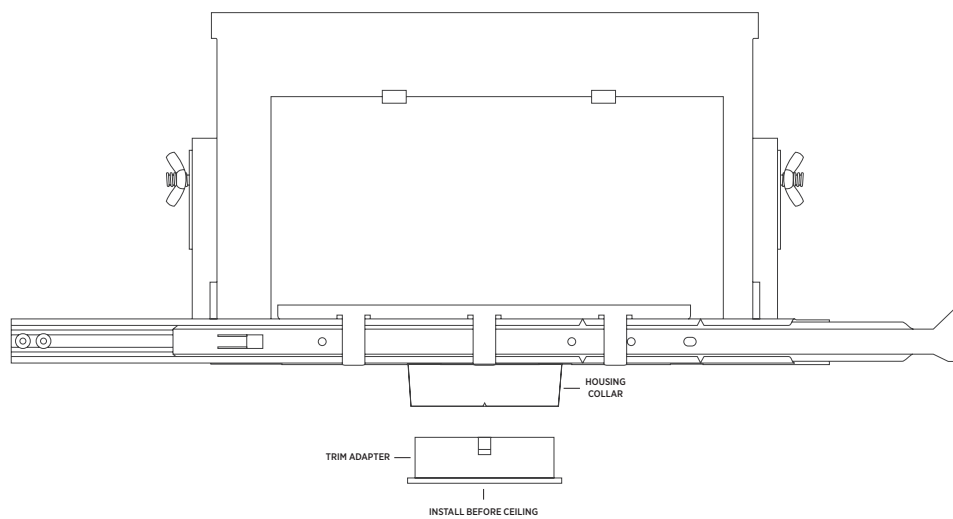


ROUND SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)



SQUARE SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)

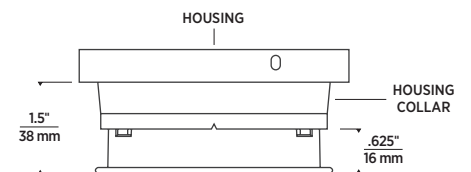
## FLANGELESS IN WOOD CEILING TRIM ADAPTER



### TRIM ADAPTER INSTALLED



### TRIM ADAPTER FLUSH



### TRIM ADAPTER EXTENDED

Wood ceiling housings ("WC" designation in the ordering grid) ship with an adjustable trim adapter that inserts into the housing aperture and allows standard ELEMENT 3" flangeless trims to achieve a truly flangeless, flush ceiling appearance in special applications such as wood or stone installation. For use in new construction. Consult installation instructions regarding plenum requirements and ceiling thickness ratios.

# ELEMENT™ 3" LED

























## ADJUSTABLE DOWNLIGHT

### TRIM-MOUNTED REFLECTORS

ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. Available finishes include Anodized Gold and Silver for a decorative accent or Anodized Black for an ultimate quiet ceiling aesthetic. These beautiful trim accessories have been specifically designed to minimize any effect on light performance, color, and output. Specular Reflectors are available for both Adjustable and Fixed downlights, and are compatible with ELEMENT 3" trims and housings.

- Can be easily installed or removed
- Assembles to existing trim
- Compatible with Fixed and Adjustable Housings
- Finish Options: Anodized Black (B) or Anodized Silver (S)

### SPECIFICATIONS

COMPATIBLE TRIMS	NON-SLOTTED (FOR FIXED <sup>1</sup> )	SLOTTED (FOR ADJUSTABLE)
 3" round, flanged, bevel	 <b>E3TREFNS1</b> (B OR S)	 <b>E3TREFS4</b> (B OR S)
 3" square, flanged, bevel	 <b>E3TREFNS5</b> (B OR S)	 <b>E3TREFS1</b> (B OR S)
 3" round, flanged, flat	 <b>E3TREFNS1</b> (B OR S)	 <b>E3TREFS4</b> (B OR S)
 3" square, flanged, flat	 <b>E3TREFNS3</b> (B OR S)	 <b>E3TREFS2</b> (B OR S)
 3" round, flangeless, bevel	 <b>E3TREFNS2</b> (B OR S)	 <b>E3TREFS6</b> (B OR S)
 3" square, flangeless, bevel	 <b>E3TREFNS6</b> (B OR S)	 <b>E3TREFS5</b> (B OR S)
 3" round, flangeless, flat	 <b>E3TREFNS4</b> (B OR S)	 <b>E3TREFS3</b> (B OR S)
 3" square, flangeless, flat	 <b>E3TREFNS3</b> (B OR S)	 <b>E3TREFS2</b> (B OR S)

May require lamp to be placed in high position.  
Not compatible with lensed trims.

<sup>1</sup>Non-slotted reflectors may be used in adjustable housings with the lamp assembly placed in the 0° tilt position.

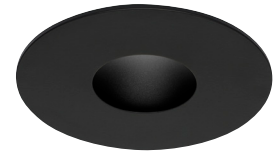
### ORDERING GRID

#### E3 TRIM-MOUNTED REFLECTORS

PRODUCT	STYLE	FINISH
<b>E3TREF</b>	<b>NS1</b> NON-SLOTTED	<b>B</b> ANODIZED BLACK <b>S</b> ANODIZED SILVER
	<b>NS2</b> NON-SLOTTED	
	<b>NS3</b> NON-SLOTTED	
	<b>NS4</b> NON-SLOTTED	
	<b>NS5</b> NON-SLOTTED	
	<b>NS6</b> NON-SLOTTED	
	<b>S1</b> SLOTTED	
	<b>S2</b> SLOTTED	
	<b>S3</b> SLOTTED	
	<b>S4</b> SLOTTED	
	<b>S5</b> SLOTTED	
	<b>S6</b> SLOTTED	

#### E3TREF

Reflectors are placed on top of the inside of the trim or affixed via screws (only if provided).



SHOWN IN ANODIZED BLACK (BELOW CEILING VIEW)



SHOWN IN ANODIZED SILVER (BELOW CEILING VIEW)



SHOWN IN ANODIZED SILVER (BELOW CEILING VIEW)



SHOWN IN ANODIZED BLACK (TRIM MOUNTED)



SHOWN IN ANODIZED BLACK AND SILVER (REFLECTOR ONLY)

# ELEMENT™ 3" LED

## ADJUSTABLE DOWNLIGHT

### PHOTOMETRICS

Description: 3" LED Module  
10° Beam, 0° Tilt  
90 CRI, 3000K

Input Power: 18.2W  
Input Power Factor: 0.99  
Absolute Luminous Flux (Lumens): 987  
Lumen Efficacy (Lumens per Watt): 54.2

Description: 3" LED Module  
18° Beam, 0° Tilt  
90 CRI, 3000K

Input Power: 15.8W  
Input Power Factor: 0.98  
Absolute Luminous Flux (Lumens): 1278  
Lumen Efficacy (Lumens per Watt): 80.9

Description: 3" LED Module  
25° Beam, 0° Tilt  
90 CRI, 3000K

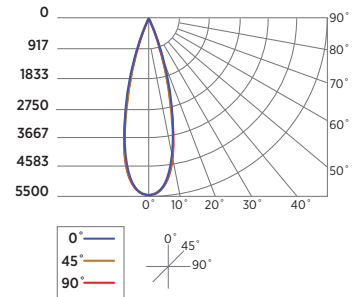
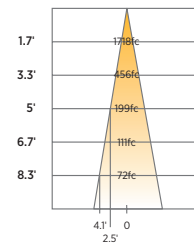
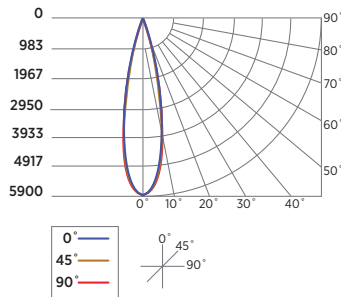
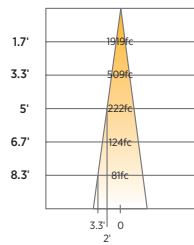
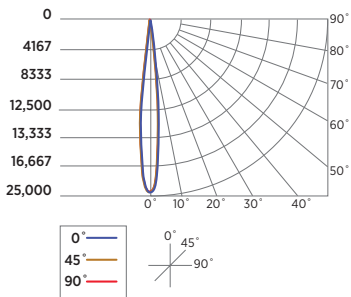
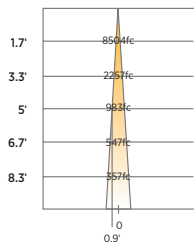
Input Power: 15.8W  
Input Power Factor: 0.98  
Absolute Luminous Flux (Lumens): 1421  
Lumen Efficacy (Lumens per Watt): 89.9

Output difference between CCTs - 5%, CRIs - 15%.

ANGLE	0°	45°	90°
0°	24575	24575	24575
5°	12004	10898	12296
10°	1418	1275	1517
15°	355	332	340
20°	171	165	154
25°	90	85	87
30°	52	48	49
35°	33	31	32
40°	21	19	19
45°	10	11	8
50°	3	6	3
55°	2	2	2
60°	1	1	1
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	5546	5546	5546
5°	4951	5044	4838
10°	3208	3326	3167
15°	1748	1859	1721
20°	882	1028	871
25°	395	485	380
30°	171	195	167
35°	83	84	81
40°	49	52	50
45°	29	34	30
50°	14	22	13
55°	12	15	11
60°	11	12	9
65°	7	10	6
70°	6	6	6
75°	5	6	5
80°	5	5	5
85°	5	5	5
90°	4	5	5

ANGLE	0°	45°	90°
0°	4966	4966	4966
5°	4647	4710	4525
10°	3677	3750	3542
15°	2292	2346	2143
20°	1103	1188	986
25°	465	559	417
30°	211	240	187
35°	98	100	89
40°	53	56	50
45°	30	35	29
50°	16	22	14
55°	11	13	10
60°	9	9	8
65°	8	7	7
70°	7	6	6
75°	6	6	6
80°	6	5	5
85°	5	5	5
90°	5	5	5



# ELEMENT™ 3" LED

## ADJUSTABLE DOWNLIGHT

### PHOTOMETRICS

Description: 3" LED Module  
40° Beam, 0° Tilt  
90 CRI, 3000K

Input Power: 15.8W

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 1440

Lumen Efficacy (Lumens per Watt): 91.1

Output difference between CCTs - 5%, CRIs - 15%.

Description: 3" LED Module  
60° Beam, 0° Tilt  
90 CRI, 3000K

Input Power: 15.7W

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 1343

Lumen Efficacy (Lumens per Watt): 85.5

ANGLE	0°	45°	90°
0°	2729	2729	2729
5°	2686	2706	2649
10°	2503	2538	2439
15°	2147	2183	2100
20°	1617	1683	1572
25°	915	1000	904
30°	388	434	375
35°	153	162	157
40°	70	77	71
45°	31	41	32
50°	10	21	11
55°	7	10	7
60°	4	6	4
65°	3	4	3
70°	3	3	13
75°	2	3	2
80°	2	2	2
85°	2	2	2
90°	1	2	2

ANGLE	0°	45°	90°
0°	1699	1699	1699
5°	1654	1654	1654
10°	1548	1548	1548
15°	1403	1403	1403
20°	1163	1163	1163
25°	854	854	854
30°	580	580	580
35°	374	374	374
40°	219	219	219
45°	112	112	112
50°	48	48	48
55°	23	23	23
60°	9	9	9
65°	7	7	7
70°	6	6	6
75°	6	6	6
80°	5	5	5
85°	5	5	5
90°	5	5	5

