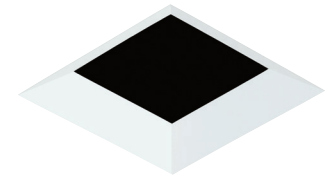


# ELEMENT™ 4" LED

## ADJUSTABLE DOWNLIGHT



SHOWN IN FLANGELESS BEVEL SQUARE

The ELEMENT 4" 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 wood ceiling.

- Housing reduced by 54%
- Tool-free, aiming/locking: 0-40° tilt, 361° rotation
- Patented high/low lamp positioning
- 1-step static white and 2-step warm dim and tunable white
- Standard dimming down to 1%
- Trim reflector options
- Solite Soft Focus lens option

### LUMEN MULTIPLIER (CRI/CCT)

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
2700K	0.95	0.80
3000K	1.00	0.85
3500K	1.05	0.90

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

### SPECIFICATIONS

	STATIC WHITE			XICATO		WARM DIM		TUNABLE WHITE	
	MAX OUTPUT	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES	HIGH OUTPUT	LOW OUTPUT	HIGH OUTPUT (5000K)	HIGH OUTPUT (4000K)
<b>DELIVERED LUMENS</b>	4000/3400	2900/2465	1800/1450	1575	1856	2374	1300	2157	1900
<b>WATTS</b>	35	29	17	19	26	31	17	28	28
<b>EFFICACY</b>	112/96	100/85	106/85	81	71	76	76	72	69
<b>CRI</b>	80+/90+			80+	95+	90+			
<b>CBCP</b>	10° - 19,414 (low output)   18° - 8,192 25° - 6,907   40° - 4,517   60° - 3,209			21° - 8,345 43° - 3,644 60° - 1,964	21° - 8,471 43° - 4,022 60° - 2,237	18° - N/A   25° - N/A   40° - 2,381   60° - N/A			
<b>CCT</b>	2700K, 3000K, or 3500K			2700K, 3000K, or 3500K <sup>3</sup>		3000K - 1800K		5000K - 2700K	4000K - 1800K
<b>COLOR CONSISTENCY</b>	1-step			1 X 2-step		2-step		2-step	
<b>VOLTAGE</b>	120V or 277V								
<b>DIMMING<sup>1</sup></b>	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%	
<b>POWER SUPPLY</b>	Constant current driver with +.9 power factor and +80% efficiency								
<b>OPTICS</b>	Field changeable: 10°, 18°, 25°, 40°, or 60° TIR			Field changeable: 21°, 43°, or 60° Reflector		Field changeable: 18°, 25°, 40°, or 60° TIR			
<b>ADJUSTABILITY</b>	Lockable, hot-aiming, 0-40° tilt, 361° rotation, high/low positioning, 45° collar rotation								
<b>CEILING APPEARANCE</b>	Flanged, flangeless, or flangeless in wood ceiling								
<b>CEILING THICKNESS</b>	Flanged: Up to 2-1/2" Flangeless: No ceiling thickness limitations   Flangeless in Wood Ceiling: 1/2" to 2" Note: Thicker ceilings impact light cutoff								
<b>CEILING APERTURE</b>	4-1/2" ceiling cutout								
<b>HOUSING</b>	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.								
<b>CONSTRUCTION</b>	Housing: Heavy-gauge, Cold-rolled steel   Trim: Die-cast aluminum								
<b>FINISH</b>	Housing: Black Powder Coat   Trim: Antique Bronze, Black, Satin Nickel, or White (paintable)								
<b>GENERAL LISTINGS</b>	ETL Listed. Damp Location. Shower version Wet Listed.								
<b>CALIFORNIA TITLE 24</b>	Registered CEC Appliance Database. Can be used to comply with CEC 2019 Title 24 Part 6 (JA8-2016, JA8-2019) (for 90 CRI versions).								
<b>L70</b>	50,000 hours min								
<b>WARRANTY<sup>2</sup></b>	5 years								

Data in chart reflect 3000K/80 CRI values unless noted.  
Custom output/custom RAL/custom CCT available, contact Quotes Department

#### Ordering grids available on page 2.

Accepts two optical controls and an optional trim-mounted lens.

<sup>1</sup>See visualcomfort.com for dimmer compatibility. LH high output and LV max output standard phase dimming down to 5% min.

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

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

# ELEMENT™ 4" LED

## ADJUSTABLE DOWNLIGHT

### ORDERING GRIDS

#### HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
<b>E4R</b> ELEMENT 4" ROUND	<b>L</b> FLANGELESS <b>F</b> FLANGED	<b>-LV</b> MAX OUTPUT, 35W <sup>2</sup>	<b>827</b> 80 CRI, 2700K, 1-STEP <b>830</b> 80 CRI, 3000K, 1-STEP	<b>10</b> 10° <sup>6</sup> <b>18</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>7</sup>	120 VOLT (LEAVE BLANK) <b>-277</b> 277 VOLT
<b>E4S</b> ELEMENT 4" SQUARE	<b>WC</b> WOOD CEILING <sup>1</sup>	<b>-LH</b> HIGH OUTPUT, 29W <sup>3</sup> <b>-LO</b> LOW OUTPUT, 17W <sup>4</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>5</sup> <b>TW41</b> 90 CRI, 4000K-1800K, TUNABLE WHITE, 2-STEP <sup>5</sup>	<b>25</b> 25° <b>40</b> 40° <b>60</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>-ELDD</b> ELDOLED 0.1% DALI-2 <b>-ELTO</b> ELDOLED TUNABLE WHITE 0.1% 0-10V LINEAR <sup>5</sup> <b>-ELTD</b> ELDOLED TUNABLE WHITE 0.1% DALI-2 <sup>5</sup> <b>-HLECO</b> LUTRON HI-LUME 0.1% ECOSYSTEM	
		<b>-X</b> XICATO, HIGH OUTPUT, 25W <sup>8</sup>	<b>I27</b> 80 CRI, 2700K, 1X2-STEP, XICATO <b>I30</b> 80 CRI, 3000K, 1X2-STEP, XICATO <b>I35</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				

Trims are required and must be ordered separately.

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

<sup>2</sup>LV - Max output not available with I IC housing, HLECO Lutron driver, WD warm dim, or TW tunable white. Standard phase dimming down to 5% min. LV available for wet application (not rated for sauna/steam-room).

<sup>3</sup>LH - Standard phase dimming down to 5% min. LH available for wet application (not rated for sauna/steam-room).

<sup>4</sup>LO - Sauna/steam-room use available only with combination of H shower trim, LO low output and I IC housing.

<sup>5</sup>TW52, TW41 - Tunable white only available in LH high output, only available with ELTO (0-10V, linear), or ELTD (DALI-2). I IC housing output is 15% less than N non-IC housing output.

For 0-10V logarithmic dimming consult Quotes Department.

<sup>6</sup>10 - Available with LO low output only. 10° beam spread 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>7</sup>Universal dimming is reverse-phase, forward-phase, TRIAC, and 0-10V. 277V is only compatible with 0-10V dimming.

<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>E4R</b> ELEMENT 4" ROUND	<b>L</b> FLANGELESS	<b>B</b> BEVEL	<b>-O</b> NO LENS	<b>Z</b> ANTIQUE BRONZE
<b>E4S</b> ELEMENT 4" SQUARE	<b>F</b> FLANGED	<b>F</b> FLAT	<b>-H</b> SHOWER <sup>1,2</sup> <b>-L</b> LENSED <sup>2</sup>	<b>B</b> BLACK <b>S</b> SATIN NICKEL <b>W</b> WHITE
	<b>F15</b> FLANGED 1.1"-1.5" CEILING THICKNESS <b>F20</b> FLANGED 1.6"-2.0" CEILING THICKNESS <b>F25</b> FLANGED 2.1"-2.5" CEILING THICKNESS			

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

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

#### LENSES / LOUVERS<sup>1</sup>

PRODUCT	LENSES
<b>140MR16SF</b> SOLITE SOFT FOCUS LENS	
<b>140MR16SB</b> SANDBLASTED LENS	
<b>140MR16LL</b> LINEAR SPREAD LENS	
<b>140MR16DF</b> DIFFUSER SPREAD LENS	
<b>EL2RHCBC</b> EGGRATE/HEXCELL LOUVER	

<sup>1</sup>For additional lenses, louvers, optical controls and accessories, reference [visualcomfort.com](http://visualcomfort.com). ELEMENT allows up to two lenses or louvers per fixture.

#### PLASTER PLATES

PRODUCT	PLASTER PLATE
<b>150E4RPPLT</b> ROUND PLASTER PLATE	
<b>150E4SPPLT</b> SQUARE PLASTER PLATE	

Plaster plates are used to convert flanged housings into flangeless housings. Ships standard with flangeless housings.

#### REPLACEMENT OPTICS

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

#### REPLACEMENT REFLECTORS<sup>1</sup>

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

<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
<b>240E3LENSHLDR</b>	

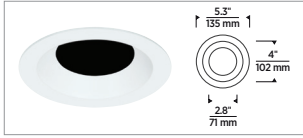
The premium, threaded lens holder provides more secure mounting of additional lenses as compared to the standard lens holder that ships with each fixture. Premium Lens Holder is not compatible with the 10° beam spread.

# ELEMENT™ 4" LED

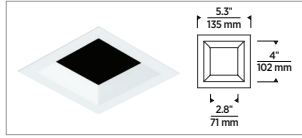
## ADJUSTABLE DOWNLIGHT

### TRIMS

#### FLANGED

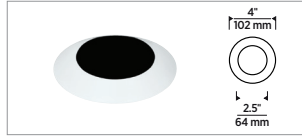


ROUND BEVEL

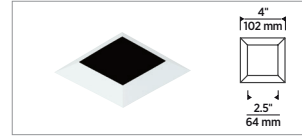


SQUARE BEVEL

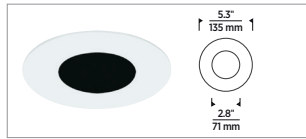
#### FLANGELESS



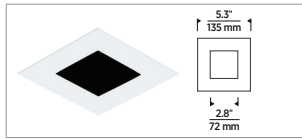
ROUND FLANGELESS



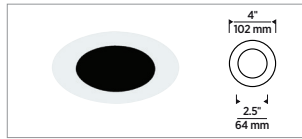
SQUARE FLANGELESS



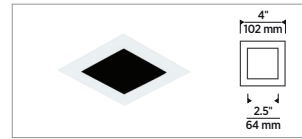
ROUND FLAT



SQUARE FLAT



ROUND FLANGELESS



SQUARE FLANGELESS

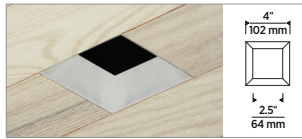
#### FINISH



#### FLANGELESS IN WOOD CEILING



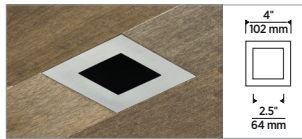
ROUND BEVEL (ANTIQUE BRONZE)



SQUARE BEVEL (SATIN NICKEL)



ROUND FLAT (ANTIQUE BRONZE)



SQUARE FLAT (SATIN NICKEL)

#### LENS OPTION



SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)

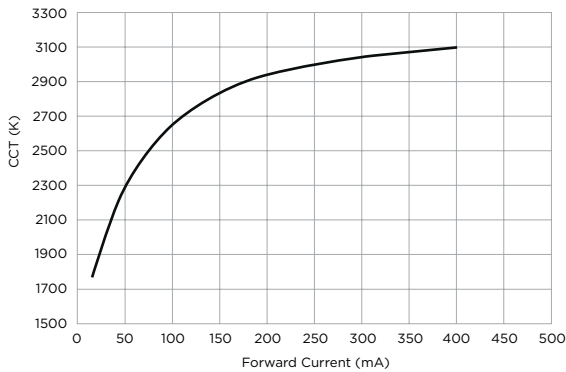


SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

See installation instruction sheet on [www.techlighting.com](http://www.techlighting.com).

#### WARM DIM CURVE

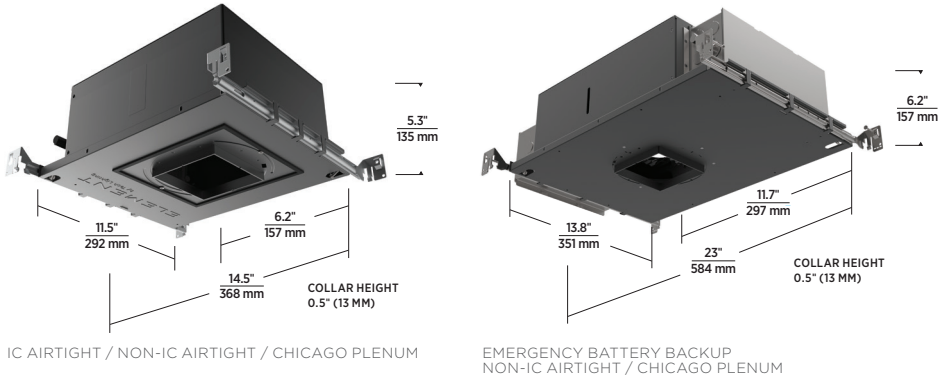
CCT vs. Forward Current,  $T_c=25^\circ\text{C}$



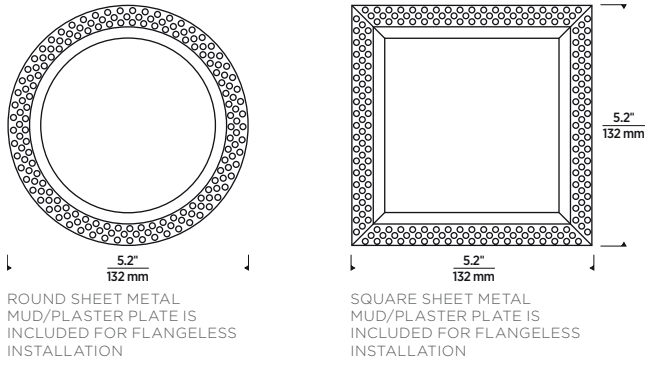
# ELEMENT™ 4" LED

## ADJUSTABLE DOWNLIGHT

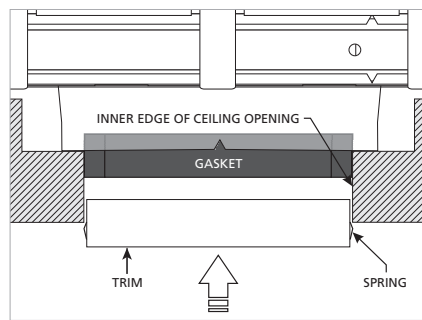
### HOUSING



### PLASTER PLATES



### FLANGELESS IN WOOD CEILING INSTALLATION

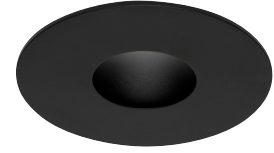


# ELEMENT™ 4" LED ADJUSTABLE DOWNLIGHT

## TRIM-MOUNTED REFLECTORS

ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. 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 4" trims and housings.

- Can be easily installed or removed
- Mounts to existing trim
- Compatible with fixed and adjustable housings



BELOW CEILING VIEW



SHOWN MOUNTED TO TRIM



REFLECTOR ONLY

## SPECIFICATIONS

COMPATIBLE TRIMS	NON-SLOTTED (FOR FIXED <sup>1</sup> )	SLOTTED (FOR ADJUSTABLE)
4" round, flanged, bevel	<b>E4TREFNS2B</b>	<b>E4TREFS5B</b>
4" round, flanged, flat	<b>E4TREFNS1B</b>	<b>E4TREFS3B</b>
4" round, flangeless, bevel	<b>E4TREFNS2B</b>	<b>E4TREFS5B</b>
4" round, flangeless, flat	<b>E4TREFNS1B</b>	<b>E4TREFS3B</b>
4" square, flanged, bevel	<b>E4TREFNS6B</b>	<b>E4TREFS2B</b>

Only compatible with ELEMENT 4" LED series.

May require lamp to be placed in high position.

Not available for ELEMENT 4" square flat trims or square flangeless bevel trims.

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

### E4 TRIM MOUNTED REFLECTORS<sup>1</sup>

PRODUCT	STYLE	FINISH
<b>E4TREF</b>	<b>NS1</b> NON-SLOTTED	<b>B</b> ANODIZED BLACK
	<b>NS2</b> NON-SLOTTED	
	<b>NS6</b> NON-SLOTTED	
	<b>S2</b> SLOTTED	
	<b>S3</b> SLOTTED	
	<b>S5</b> SLOTTED	

**E4TREF** **B**

<sup>1</sup>Not compatible with lensed trims.

# ELEMENT™ 4" LED

## ADJUSTABLE DOWNLIGHT

### PHOTOMETRICS

Description: 4" LED Module  
18° Beam - 0° Tilt,  
90 CRI, 3000K

Model: E4 LED  
Input Power (Watts): 32.9  
Input Power Factor: 0.99  
Absolute Luminous  
Flux (Lumens): 2494  
Lumen Efficacy  
(Lumens per Watt): 76

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

Description: 4" LED Module  
25° Beam - 0° Tilt,  
90 CRI, 3000K

Model: E4 LED  
Input Power (Watts): 32.7  
Input Power Factor: 0.98  
Absolute Luminous  
Flux (Lumens): 2456  
Lumen Efficacy  
(Lumens per Watt): 75

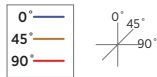
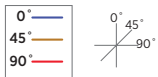
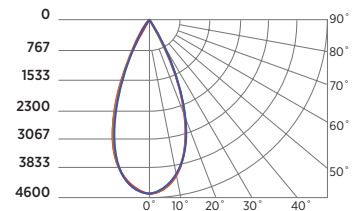
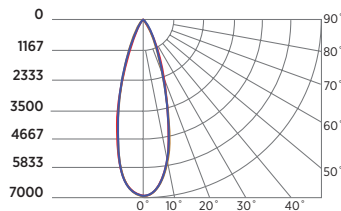
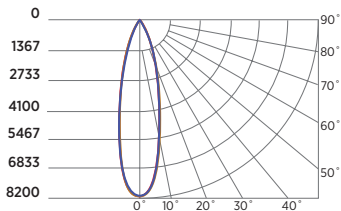
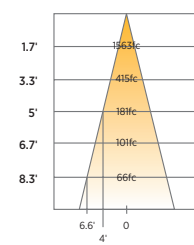
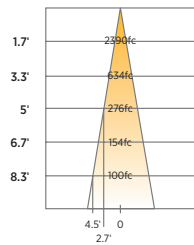
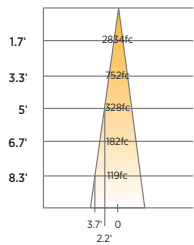
Description: 4" LED Module  
40° Beam - 0° Tilt,  
90 CRI, 3000K

Model: E4 LED  
Input Power (Watts): 32.8  
Input Power Factor: 0.98  
Absolute Luminous  
Flux (Lumens): 2584  
Lumen Efficacy  
(Lumens per Watt): 79

ANGLE	0°	45°	90°
0°	8192	8192	8192
5°	7438	7514	7532
10°	5277	5300	5297
15°	3190	3214	3209
20°	1898	1908	1900
25°	1066	1077	1064
30°	610	626	608
35°	319	386	325
40°	161	249	162
45°	94	145	94
50°	62	77	63
55°	37	49	37
60°	25	30	25
65°	12	16	13
70°	1	7	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	6907	6907	6907
5°	6578	6568	6565
10°	5455	5476	5467
15°	3575	3584	3595
20°	1856	1910	1947
25°	997	1040	1057
30°	623	654	660
35°	330	433	358
40°	153	276	165
45°	88	149	96
50°	57	73	61
55°	32	44	35
60°	19	25	21
65°	8	12	9
70°	0	4	1
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	4517	4517	4517
5°	4385	4393	4402
10°	4053	4071	4076
15°	3498	3518	3534
20°	2595	2648	2698
25°	1635	1620	1598
30°	860	850	804
35°	374	429	396
40°	179	224	190
45°	101	123	107
50°	60	75	64
55°	31	47	32
60°	19	26	20
65°	7	12	8
70°	1	3	1
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



# ELEMENT™ 4" LED

## ADJUSTABLE DOWNLIGHT

### PHOTOMETRICS

Description: 4" LED Module  
60° Beam - 0° Tilt,  
80 CRI, 3000K

Model: E4 LED

Input Power (Watts): 30.7

Input Power Factor: 0.98

Absolute Luminous

Flux (Lumens): 3178

Lumen Efficacy

(Lumens per Watt): 103.4

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

ANGLE	0°	45°	90°
0°	3209	3209	3209
5°	3215	3152	3158
10°	3103	3067	3068
15°	2869	2852	2881
20°	2428	2393	2468
25°	1881	1814	1930
30°	1398	1324	1441
35°	982	939	1038
40°	597	603	681
45°	334	359	393
50°	186	202	210
55°	89	118	98
60°	46	74	50
65°	25	38	27
70°	6	15	7
75°	4	4	4
80°	3	3	3
85°	1	1	1
90°	0	0	0

