

# ELEMENT™ 3" LED

## REMODEL ADJUSTABLE DOWNLIGHT

The ELEMENT 3" LED Flanged or Flangeless Adjustable Remodel is suited for below-the-ceiling installation where a seamless, mudded-in look or a traditional flanged appearance is desired. Featuring a precision aiming mechanism with 0-40° tilt and 361° rotation, and patented high/low lamp positioning in a 5.75" deep housing mechanism measured from below the ceiling. For flangeless, the mud plate is designed integral to the housing while still allowing below-the-ceiling servicing and installation. Die-cast trims are offered in square or round, beveled or flat, and flanged or flangeless. Finishes match ELEMENT new construction trims for a coordinating aesthetic.

- Patented high/low lamp positioning
- Tool-free aiming and locking: 0-40° tilt and 361° rotation
- Flangeless mud plate allows below-the-ceiling servicing and installation
- Trims match the ELEMENT 3" platform
- Standard dimming down to 1%
- Trim reflector options available
- Solite Soft Focus lens option
- 2-step standard



### 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	
	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES	HIGH OUTPUT	LOW OUTPUT
<b>DELIVERED LUMENS</b>	1800/1450	1319/1124	1129	945	1300	900
<b>WATTS</b>	17	12	15	15	17	12
<b>EFFICACY</b>	106/85	110/94	75	63	76	75
<b>CRI</b>	80+/90+		80+	95+	90+	
<b>CBCP</b>	10° - 19,414   18° - 5,848 25° - 5,416   40° - 3,230 60° - 2,305		43° - 2,733 60° - 1,014		18° - N/A   25° - N/A 40° - 1,622   60° - N/A	
<b>CCT</b>	2700K, 3000K, or 3500K		2700K, 3000K, or 3500K	2700K or 3000K	3000K - 1800K	
<b>COLOR CONSISTENCY</b>	2-step		1 X 2-step		3-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%)					
<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: 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 lamp positioning					
<b>CEILING APPEARANCE</b>	Flanged or Flangeless					
<b>CEILING THICKNESS</b>	Flanged square: Up to 2-1/2" Flanged round: Up to 1" Flangeless: No ceiling thickness limitations Note: Thicker ceilings impact light cutoff					
<b>CEILING APERTURE</b>	Flanged: 4" ceiling cutout Flangeless: 5" ceiling cutout					
<b>HOUSING</b>	Non-IC					
<b>CONSTRUCTION</b>	Trim: Die-cast aluminum					
<b>FINISH</b>	Trim: Antique Bronze, Black, Satin Nickel, or White (paintable)					
<b>GENERAL LISTINGS</b>	ETL Listed. Damp Location. Shower version Wet Listed.					
<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.

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

# ELEMENT™ 3" LED

## REMODEL ADJUSTABLE DOWNLIGHT

### ORDERING GRIDS

#### HOUSING

PRODUCT	CEILING APPEARANCE	LAMP	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
<b>E3R</b> ELEMENT 3" ROUND	<b>RL</b> REMODEL FLANGELESS	<b>-LH</b> HIGH OUTPUT, 17W	<b>827</b> 80 CRI, 2700K, 2-STEP <b>830</b> 80 CRI, 3000K, 2-STEP	<b>0</b> 10° <sup>2</sup> <b>1</b> 18°	<b>A</b> ADJUSTABLE	<b>N</b> NON-IC	<b>120V/277V</b>	120 VOLT (LEAVE BLANK)
<b>E3S</b> ELEMENT 3" SQUARE	<b>RF</b> REMODEL FLANGED <sup>1</sup>	<b>-LO</b> LOW OUTPUT, 12W	<b>835</b> 80 CRI, 3500K, 2-STEP <b>927</b> 90 CRI, 2700K, 2-STEP <b>930</b> 90 CRI, 3000K, 2-STEP <b>935</b> 90 CRI, 3500K, 2-STEP <b>WD</b> 90 CRI, 3000-1800K, WARM DIM, 3-STEP	<b>2</b> 20° <b>4</b> 40° <b>6</b> 60°			UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK) <sup>4</sup>	<b>-277</b> 277 VOLT
		<b>-X</b> XICATO, HIGH OUTPUT, 14W <sup>3</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>43</b> 43° <b>60</b> 60°				
<b>A</b>						<b>N</b>		

Trims are required and must be ordered separately.

For dimming details, refer to dimmer compatibility chart.

<sup>1</sup>RF - Round flanged accommodates up to 1" max ceiling thickness.

<sup>2</sup>0 - 10° optic has a unique LED module not available with warm dim. To change optics to 18°, 25°, 40°, or 60° a new LED module is required, please contact Customer Service.

<sup>3</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 277V. For example: E3RFLF-XA2743DI-**010** or E3RFLF-XA2743DI-**277** or E3RFLF-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.

<sup>4</sup>Universal dimming is reverse-phase, forward-phase, TRIAC and 0-10V. 277V is only compatible with 0-10V dimming.

#### 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	<b>F</b> FLAT	<b>-H</b> SHOWER <b>-L</b> LENSED	<b>B</b> BLACK <b>S</b> SATIN NICKEL <b>W</b> WHITE
<b>-</b>				

Trims are required and must be ordered separately.

#### 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>43</b> 43° <b>60</b> 60°
<b>352LEDXREF</b>	

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

#### WALL WASH TRIM

PRODUCT	CEILING APPEARANCE	STYLE	APERTURE	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>				

#### FROSTED BOROSILICATE LENS KIT

PRODUCT	
<b>240E3SBLSP-B</b>	BOROSILICATE LENS KIT   E3 SQUARE BEVEL TRIM
<b>240E3SQLSP-B</b>	BOROSILICATE LENS KIT   E3 SQUARE FLAT TRIM
<b>240E3RBLSP-B</b>	BOROSILICATE LENS KIT   E3 ROUND BEVEL TRIM
<b>240E3RDLSP-B</b>	BOROSILICATE LENS KIT   E3 ROUND FLAT TRIM

Includes frosted borosilicate lens, lens spring, and screws to mount to ELEMENT 3" trim.

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

PRODUCT	
<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>EL2RHCBK</b>	EGGCRATE/HEXCELL LOUVER

<sup>1</sup>For additional lenses, louvers, optical controls and accessories, reference ELEMENT-lighting.com/Products/Accessories. ELEMENT allows up to two lenses or louvers per fixture.

#### 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. The premium lens holder is not compatible with the 10° beam spread.

#### PLASTER PLATES<sup>1</sup>

PRODUCT	
<b>150E3RPPLT-A</b>	3" PLASTER PLATE   ROUND DIE-CAST METAL <sup>1</sup>
<b>150E3SPPLT-A</b>	3" PLASTER PLATE   SQUARE DIE-CAST METAL <sup>1</sup>
<b>150E3RTPPLT-W</b>	3" PLASTER PLATE   ROUND SHEET METAL <sup>2</sup>
<b>150E3STPPLT-W</b>	3" PLASTER PLATE   SQUARE SHEET METAL <sup>2</sup>

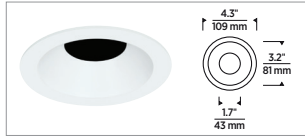
Plaster plates are used to convert flanged housings into flangeless housings.  
<sup>1</sup>Ships standard with flangeless housings. Round not compatible with Lutron Hi-lume or eldoLED drivers.  
<sup>2</sup>Optional, thinner, meshed sheet metal mud plates available for minimized plaster feathering to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

# ELEMENT™ 3" LED

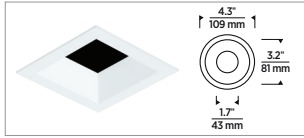
## REMODEL ADJUSTABLE DOWNLIGHT

### TRIMS

#### FLANGED

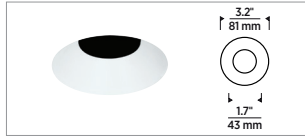


ROUND BEVEL

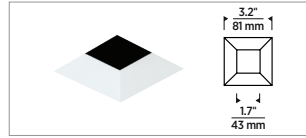


SQUARE BEVEL

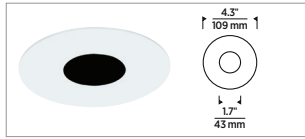
#### FLANGELESS



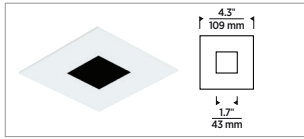
ROUND BEVEL



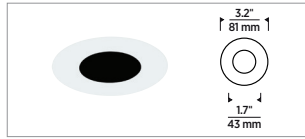
SQUARE BEVEL



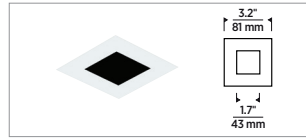
ROUND FLAT



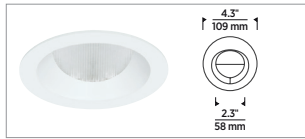
SQUARE FLAT



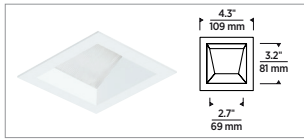
ROUND FLAT



SQUARE FLAT



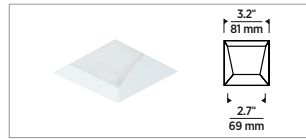
ROUND WALL WASH



SQUARE WALL WASH



ROUND WALL WASH



SQUARE WALL WASH

#### FINISH



ANTIQUE BRONZE



BLACK



SATIN NICKEL



WHITE (PAINTABLE)

#### LENS OPTION



SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)



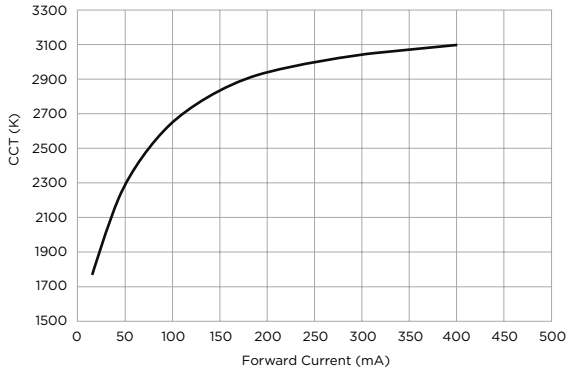
SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)

# ELEMENT™ 3" LED

## REMODEL ADJUSTABLE DOWNLIGHT

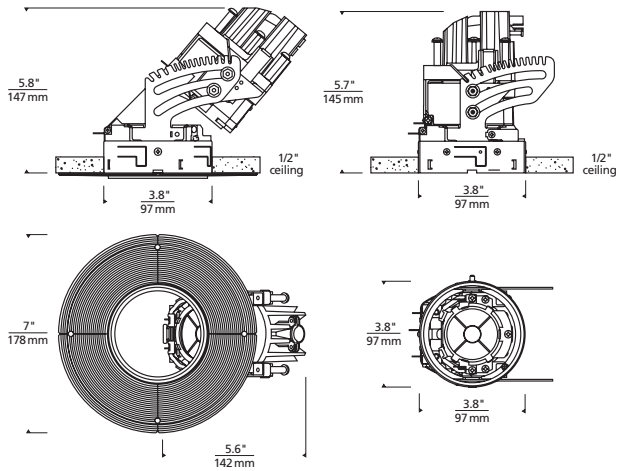
WARM DIM CURVE

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



### 3" MECHANISM

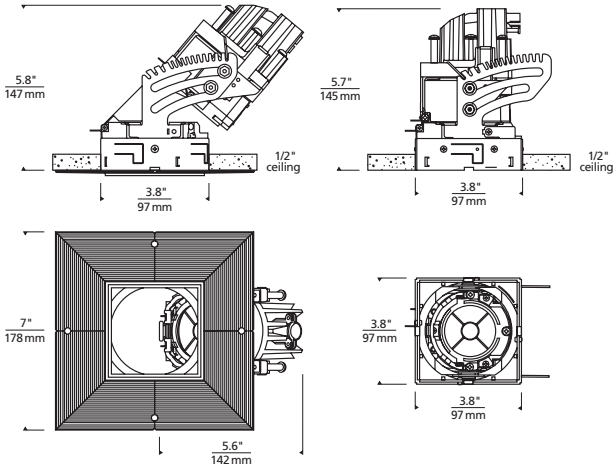
#### ROUND



SHOWN IN ROUND FLANGELESS AT FULL TILT (40°)

SHOWN IN ROUND FLANGED AT NO TILT (0°)

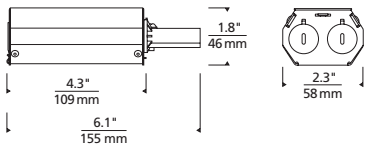
#### SQUARE



SHOWN IN SQUARE FLANGELESS AT FULL TILT (40°)

SHOWN IN SQUARE FLANGED AT NO TILT (0°)

#### J-BOX / DRIVERS



# ELEMENT™ 3" LED

























## REMODEL ADJUSTABLE DOWNLIGHT

### TRIM-MOUNTED REFLECTORS

ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. Available finishes include 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.

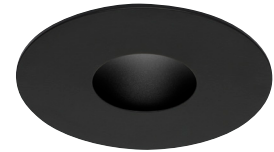
### ORDERING GRID

#### E3 TRIM-MOUNTED REFLECTORS

PRODUCT	STYLE	FINISH
<b>E3TREF</b>	<b>NS1</b> NON-SLOTTED	<b>B</b> ANODIZED BLACK
	<b>NS2</b> NON-SLOTTED	<b>S</b> ANODIZED SILVER
	<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

## REMODEL ADJUSTABLE DOWNLIGHT

### PHOTOMETRICS

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

Model: E3 Citizen LED

Input Power (Watts): 16.3

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 1337

Lumen Efficacy (Lumens per Watt): 82

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

Model: E3 Citizen LED

Input Power (Watts): 18.1

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 1598

Lumen Efficacy (Lumens per Watt): 88.1

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

Model: E3 Citizen LED

Input Power (Watts): 18.3

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 1754

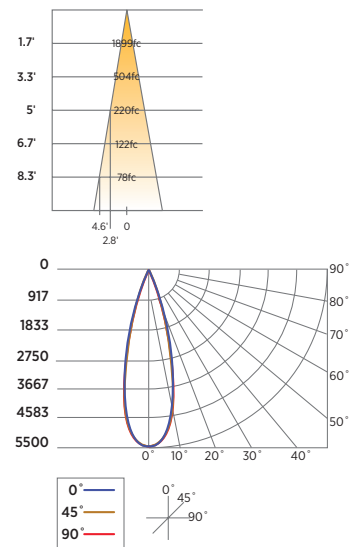
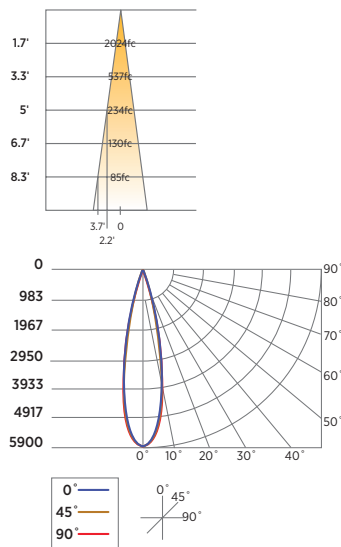
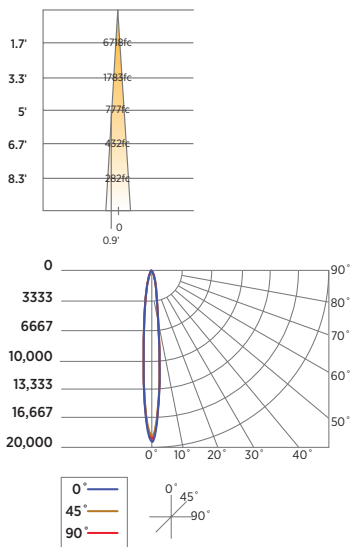
Lumen Efficacy (Lumens per Watt): 95.5

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

ANGLE	0°	45°	90°
0°	19414	19414	19414
5°	10254	10254	10254
10°	3511	3511	3511
15°	1342	1342	1342
20°	383	383	383
25°	126	126	126
30°	84	84	84
35°	54	54	54
40°	31	31	31
45°	22	22	22
50°	18	18	18
55°	11	11	11
60°	6	6	6
65°	3	3	3
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	5848	5848	5848
5°	5500	5478	5491
10°	3919	3944	3905
15°	2103	2212	2149
20°	1058	1199	1075
25°	507	548	508
30°	250	237	250
35°	148	140	141
40°	93	98	94
45°	51	69	61
50°	33	46	37
55°	21	27	24
60°	4	15	10
65°	2	3	2
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	5422	5416	5427
5°	4916	4872	4888
10°	3800	3718	3721
15°	2040	2115	2016
20°	870	979	900
25°	400	441	414
30°	190	190	196
35°	103	103	105
40°	60	65	61
45°	27	43	31
50°	16	25	17
55°	7	12	7
60°	2	5	2
65°	2	2	2
70°	1	1	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



# ELEMENT™ 3" LED

## REMODEL ADJUSTABLE DOWNLIGHT

### PHOTOMETRICS

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

Model: E3 Citizen LED

Input Power (Watts): 16.9

Input Power Factor: 0.98

Absolute Luminous

Flux (Lumens): 1774

Lumen Efficacy

(Lumens per Watt): 104.6

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

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

Model: E3 Citizen LED

Input Power (Watts): 18.4

Input Power Factor: 0.98

Absolute Luminous

Flux (Lumens): 1536

Lumen Efficacy

(Lumens per Watt): 83.5

ANGLE	0°	45°	90°
0°	3230	3230	3230
5°	3107	3126	3159
10°	2824	2830	2871
15°	2415	2407	2463
20°	1863	1866	1937
25°	1111	1125	1128
30°	490	521	479
35°	221	232	205
40°	115	114	110
45°	65	64	59
50°	30	38	22
55°	14	22	11
60°	6	9	4
65°	1	3	1
70°	1	1	1
75°	1	1	1
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	2305	2305	2305
5°	2313	2298	2268
10°	2295	2248	2155
15°	2219	2116	1938
20°	1964	1876	1714
25°	1548	1544	1330
30°	1113	1176	1013
35°	749	835	704
40°	450	511	428
45°	230	283	221
50°	94	140	91
55°	38	69	35
60°	18	31	16
65°	8	13	6
70°	0	4	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

