

# ELEMENT™ 3" LED

## DUAL ADJUSTABLE DOWNLIGHT



SHOWN IN FLANGELESS BEVEL SQUARE

The ELEMENT 3" LED Dual Adjustable Downlight provides high performance and beautiful architectural appearance when design requirements for task or accent lighting require two closely spaced downlights with independent aiming capability. Designed with the same trims as the ELEMENT 3" platform (two per housing) for a coordinating aesthetic. Fixtures are independently adjustable allowing for lockable, hot aiming with 0°-40° tilt and 361° rotation and include a variety of options such as output, beam spread, static white and warm dim, and flangeless wood ceiling application to meet a broad range of requirements.

- Lockable, hot aiming with 0°-40° tilt and 361° rotation (both light modules)
- Dual apertures 10-1/4" on center
- Trims match the ELEMENT 3" platform
- Lensed and shower aperture includes Solite Soft Focus lens
- Standard dimming down to 1%

### 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		WARM DIM	
	HIGH OUTPUT	LOW OUTPUT	HIGH OUTPUT	LOW OUTPUT
DELIVERED LUMENS	3600/2900	2658/2248	2600	1800
WATTS	34	24	34	24
EFFICACY	106/84	110/94	76	75
CRI	80+/90+	80+/90+	90+	
CBCP	Per aperture: 10° - 19,414   18° - 5,848   25° - 5,410   40° - 3,230   60° - 2,305		Per aperture: 18° - 5,848   25° - 5,410   40° - 3,230   60° - 2,305	
CCT	2700K, 3000K, or 3500K		3000K - 1800K	
COLOR CONSISTENCY	2-step		3-step	
VOLTAGE	120V or 277V			
DIMMING <sup>1</sup>	Standard reverse-phase, forward-phase, TRIAC, and 0-10V dimming (down to 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: 18°, 25°, 40°, or 60° TIR	
ADJUSTABILITY	Lockable, hot aiming, 0-40° tilt, 361° 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	Two 3-7/8" ceiling cutouts with 10-1/4" on-center spacing between apertures			
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/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. Consult Quotes Dept. for alternate or custom driver selections.

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

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### ORDERING GRIDS

#### HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER
<b>E3R</b> ELEMENT 3" ROUND	<b>L</b> FLANGELESS	<b>-LH</b> HIGH OUTPUT, 34W <sup>2</sup>	<b>827</b> 80 CRI, 2700K, 2-STEP	<b>0</b> 10° <sup>4</sup>	<b>DA</b> DUAL ADJUSTABLE	<b>I</b> IC AIRTIGHT	<b>INTEGRATED DRIVERS 120V/277V</b> UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK) <sup>5</sup>
<b>E3S</b> ELEMENT 3" SQUARE	<b>F</b> FLANGED	<b>-LO</b> LOW OUTPUT, 24W <sup>3</sup>	<b>830</b> 80 CRI, 3000K 2-STEP	<b>1</b> 18°		<b>N</b> NON-IC AIRTIGHT	
	<b>WC</b> WOOD CEILING <sup>1</sup>		<b>835</b> 80 CRI, 3500K 2-STEP	<b>2</b> 25°		<b>C</b> CHICAGO PLENUM	
			<b>927</b> 90 CRI, 2700K 2-STEP	<b>4</b> 40°			
			<b>930</b> 90 CRI, 3000K 2-STEP	<b>6</b> 60°			
			<b>935</b> 90 CRI, 3500K 2-STEP				
			<b>WD</b> 90 CRI, 3000-1800K, WARM DIM, 3-STEP				

Trims are required and must be ordered separately, two per housing.

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

<sup>5</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 <sup>1</sup>	<b>B</b> BLACK
	<b>F15</b> FLANGED 1.1"-1.5" CEILING THICKNESS		<b>-L</b> LENSED	<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			

Two trims are required per housing.

Wood ceiling option accommodates flangeless trims only.

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

#### PLASTER PLATES

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.

#### 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 visualcomfort.com. 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

#### 240E3LENSHLDR

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.

#### 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.

#### 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

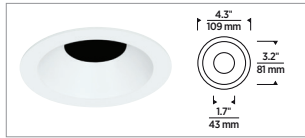


# ELEMENT™ 3" LED

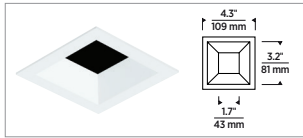
## DUAL ADJUSTABLE DOWNLIGHT

### TRIMS

#### FLANGED

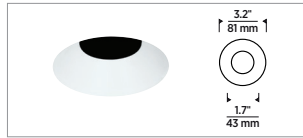


ROUND BEVEL

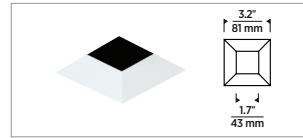


SQUARE BEVEL

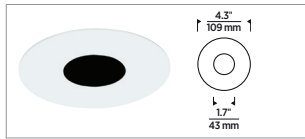
#### FLANGELESS



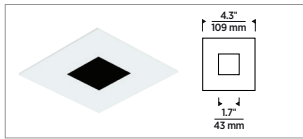
ROUND BEVEL



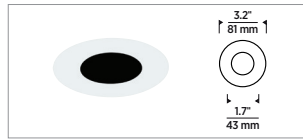
SQUARE BEVEL



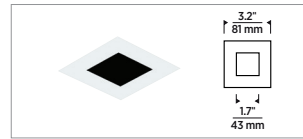
ROUND FLAT



SQUARE FLAT



ROUND FLAT



SQUARE FLAT

#### FINISH



ANTIQU  
BRONZE



BLACK



SATIN  
NICKEL

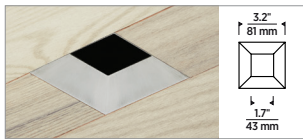


WHITE  
(PAINTABLE)

#### FLANGELESS IN WOOD CEILING



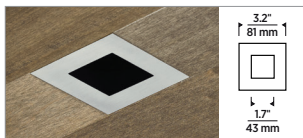
ROUND BEVEL (ANTIQU  
BRONZE)



SQUARE BEVEL (SATIN  
NICKEL)



ROUND FLAT (ANTIQU  
BRONZE)



SQUARE FLAT (SATIN  
NICKEL)

#### LENS OPTION



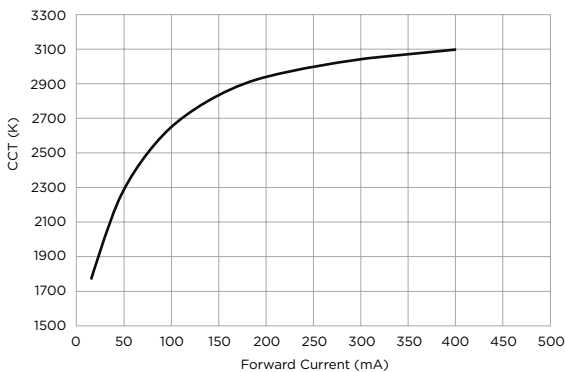
SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)



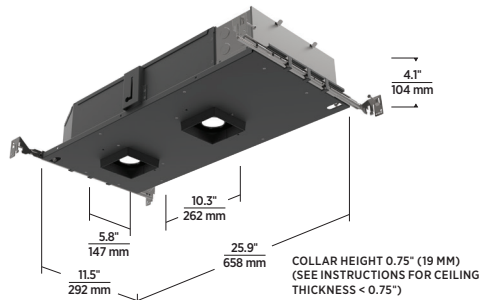
SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

#### WARM DIM CURVE

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



#### HOUSING



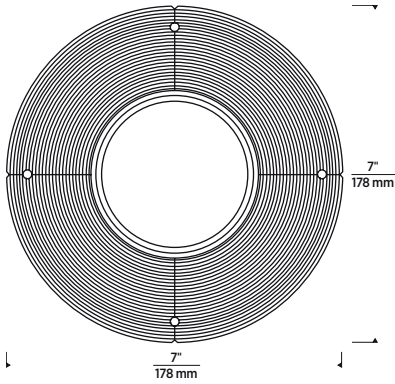
IC AIRTIGHT / NON-IC AIRTIGHT / CHICAGO PLENUM



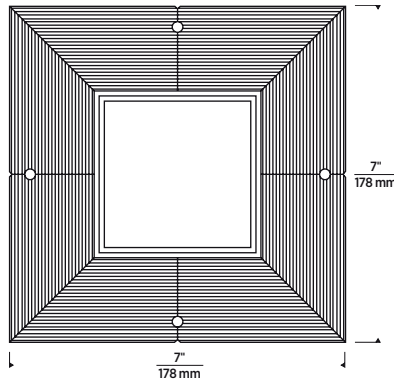
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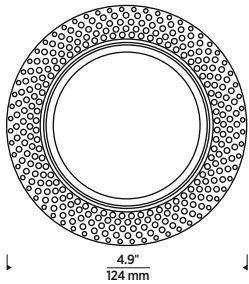
### PLASTER PLATES



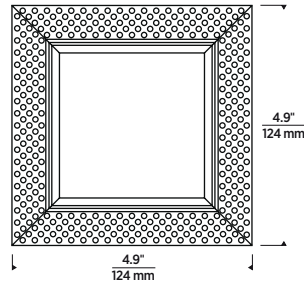
ROUND DIE-CAST MUD/PLASTER PLATE IS INCLUDED FOR FLANGELESS INSTALLATION



SQUARE DIE-CAST MUD/PLASTER PLATE IS INCLUDED FOR FLANGELESS INSTALLATION

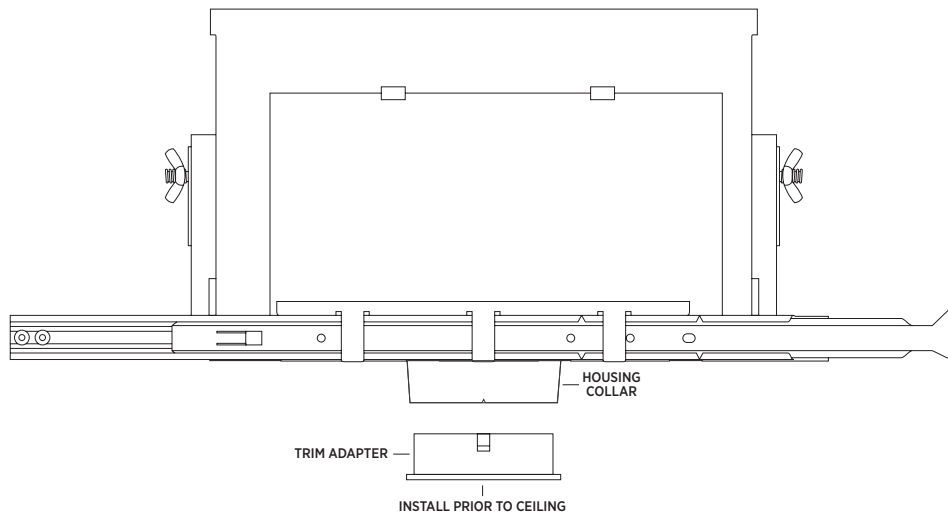


ROUND SHEET METAL MUD/PLASTER PLATE IS OPTIONAL FOR FLANGELESS INSTALLATION

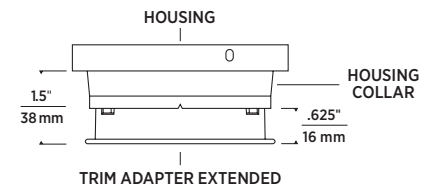
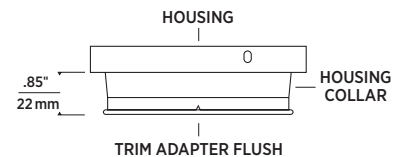


SQUARE SHEET METAL MUD/PLASTER PLATE IS OPTIONAL FOR FLANGELESS INSTALLATION

### FLANGELESS IN WOOD CEILING TRIM ADAPTER



### TRIM ADAPTER INSTALLED



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. Consult installation instructions regarding plenum requirements and ceiling thickness ratios.

# ELEMENT™ 3" LED

## DUAL 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

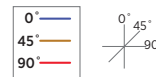
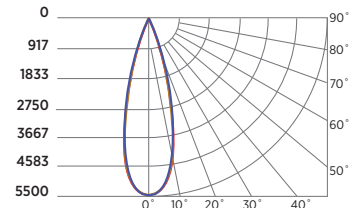
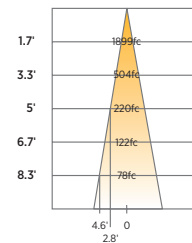
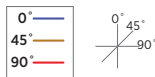
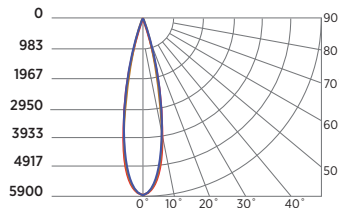
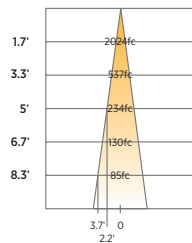
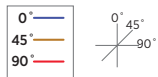
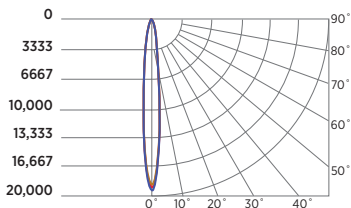
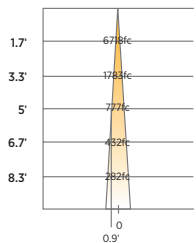
Lumen Efficacy (Lumens per Watt): 95.5

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

## DUAL 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

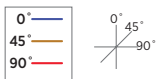
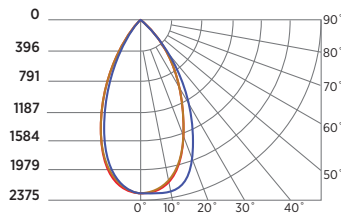
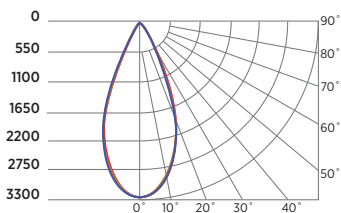
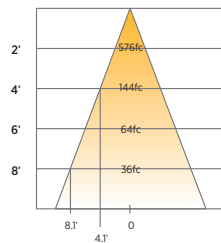
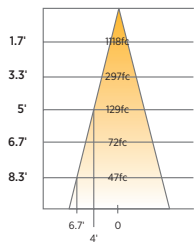
Flux (Lumens): 1536

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



# ELEMENT™ 3" LED

## DUAL ADJUSTABLE DOWNLIGHT

### PROJECT INFORMATION

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### JOB NAME AND INFORMATION

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### FIXTURE TYPE AND QUANTITY

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