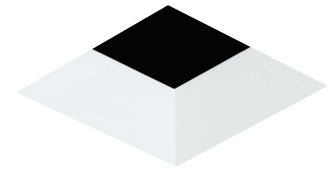


# ELEMENT™ 3" LED

## ULTRA-SHALLOW FIXED DOWNLIGHT



SHOWN IN FLANGELESS BEVEL SQUARE

The ELEMENT 3" LED Ultra Shallow Fixed Downlight provides a beautiful architectural appearance and high performance for shallow ceiling plenum installations. Designed with an ultra-shallow 2" tall housing, this fixture is designed with the same trims as the ELEMENT 3" platform for a coordinating aesthetic. Optics are field changeable for easy replacement. flangeless in wood ceiling option allows for a smooth appearance using any flangeless trim.

- 2" tall housing for ultra-shallow plenums and tight plenum spaces
- Trims match the ELEMENT 3" platform
- Solite Soft Focus option
- 1-step static white, 2-step warm dim
- Includes integral junction box approved for branch circuit through wiring

### 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				WARM DIM	
	HIGH OUTPUT		LOW OUTPUT		HIGH OUTPUT	LOW OUTPUT
DELIVERED LUMENS	1697	1440	1330	1106	1225	941
WATTS	16	16	12	12	12	12
EFFICACY	106	90	109	92	92	78
CRI	80+	90+	80+	90+	90+	
CBCP	18° - 5,639 25° - 4,966 40° - 2,739 60° - 1,699 80° - 492				18° - 4,793 25° - 4,221 40° - 2,328 60° - 1,444 80° - N/A	
CCT	2700K, 3000K, or 3500K				3000K - 1800K	
COLOR CONSISTENCY	1-step				2-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	18°, 25°, 40°, 60° TIR, or 80°					
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, 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 US IC Airtight 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.

# ELEMENT™ 3" LED

## ULTRA-SHALLOW FIXED 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, 16W <sup>2</sup>	<b>827</b> 80 CRI, 2700K, 1-STEP	<b>1</b> 18°	<b>D</b> DOWNLIGHT	<b>US</b> ULTRA-SHALLOW 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>FF</b> FLANGED	<b>-LO</b> LOW OUTPUT, 12W <sup>3</sup>	<b>830</b> 80 CRI, 3000K, 1-STEP	<b>2</b> 25°			
	<b>WC</b> WOOD CEILING <sup>1</sup>		<b>835</b> 80 CRI, 3500K, 1-STEP	<b>4</b> 40°			
			<b>927</b> 90 CRI, 2700K, 1-STEP	<b>6</b> 60°			
			<b>930</b> 90 CRI, 3000K, 1-STEP	<b>8</b> 80° <sup>4</sup>			
			<b>935</b> 90 CRI, 3500K, 1-STEP				
			<b>WD</b> 90 CRI, 3000-1800K, WARM DIM, 2-STEP				

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 available 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 US IC Airtight housing rating.

<sup>4</sup>8 - 80° beam spread must be used with 80° bevel (B8) style trim.

<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 UP TO 1" CEILING THICKNESS	<b>F</b> FLAT	<b>-H</b> SHOWER <sup>3,4</sup>	<b>B</b> BLACK
	<b>F15</b> FLANGED 1.1"-1.5" CEILING THICKNESS <sup>1</sup>	<b>B8</b> 80° BEVEL <sup>1,2</sup>	<b>-L</b> LENSED <sup>4</sup>	<b>S</b> SATIN NICKEL
	<b>F20</b> FLANGED 1.6"-2.0" CEILING THICKNESS <sup>1</sup>			<b>W</b> WHITE
	<b>F25</b> FLANGED 2.1"-2.5" CEILING THICKNESS <sup>1</sup>			

Wood ceiling option accommodates flangeless trims only.

<sup>1</sup>B8 - 80° bevel trim accommodates ceiling thickness of up to 1" and is not compatible with F15, F20, or F25 flanged trim.

<sup>2</sup>B8 - 80° bevel style trim can only be used with 80° (B) housing and shower aperture (-H).

<sup>3</sup>H - Sauna/steam-room use available only with combination of H shower trim, LO low output housing, and US IC Airtight housing rating. Shower lens includes a gasket.

<sup>4</sup>H, L - Lensed products come with Solite Soft Focus lens.

#### PLASTER PLATES

PRODUCT	
<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>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

PRODUCT <sup>1</sup>	
<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. Lenses/louvers mounted to lamp assembly only (max 2).

#### 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

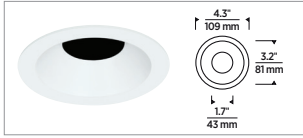
18, 25, 40, and 60 degree optics are field-interchangeable.

# ELEMENT™ 3" LED

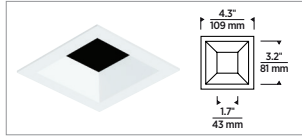
## ULTRA-SHALLOW FIXED DOWNLIGHT

### TRIMS

#### FLANGED

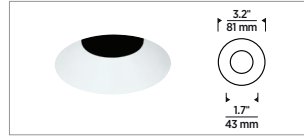


ROUND BEVEL

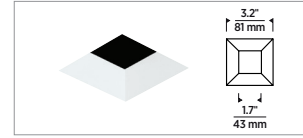


SQUARE BEVEL

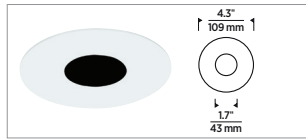
#### FLANGELESS



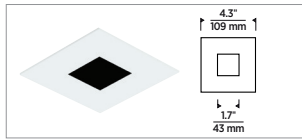
ROUND BEVEL



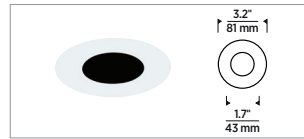
SQUARE BEVEL



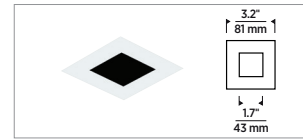
ROUND FLAT



SQUARE FLAT



ROUND FLAT



SQUARE FLAT

#### FINISH



ANTIQUE BRONZE



BLACK



SATIN NICKEL

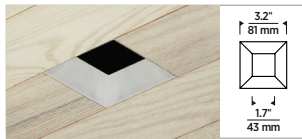


WHITE (PAINTABLE)

#### FLANGELESS IN WOOD CEILING



ROUND BEVEL (ANTIQUE BRONZE)



SQUARE BEVEL (SATIN NICKEL)



ROUND FLAT (ANTIQUE BRONZE)



SQUARE FLAT (SATIN NICKEL)

#### LENS OPTION



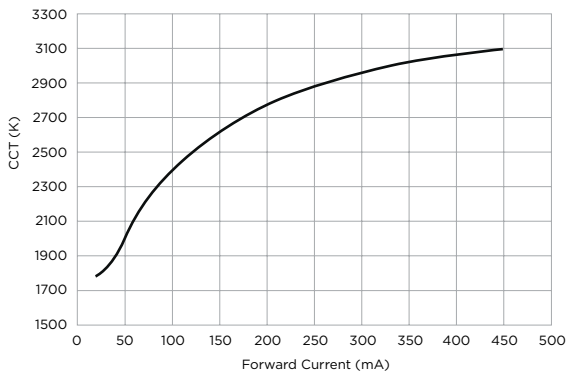
SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)



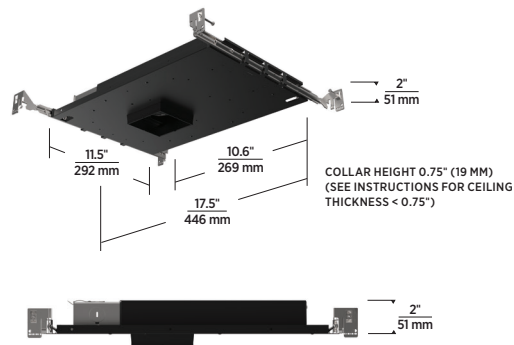
SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

#### WARM DIM CURVE

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



#### HOUSING

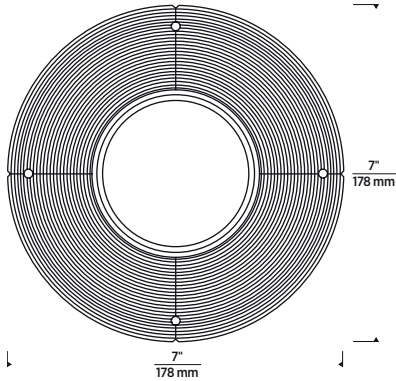


# ELEMENT™ 3" LED

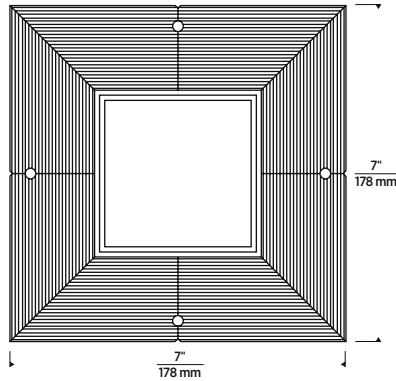
## ULTRA-SHALLOW FIXED DOWNLIGHT

### PLASTER PLATES

#### INCLUDED DIE-CAST

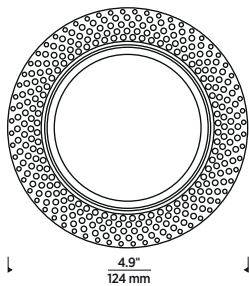


ROUND DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

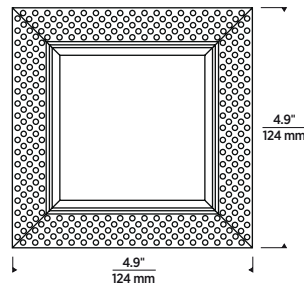


SQUARE DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

#### OPTIONAL SHEET METAL

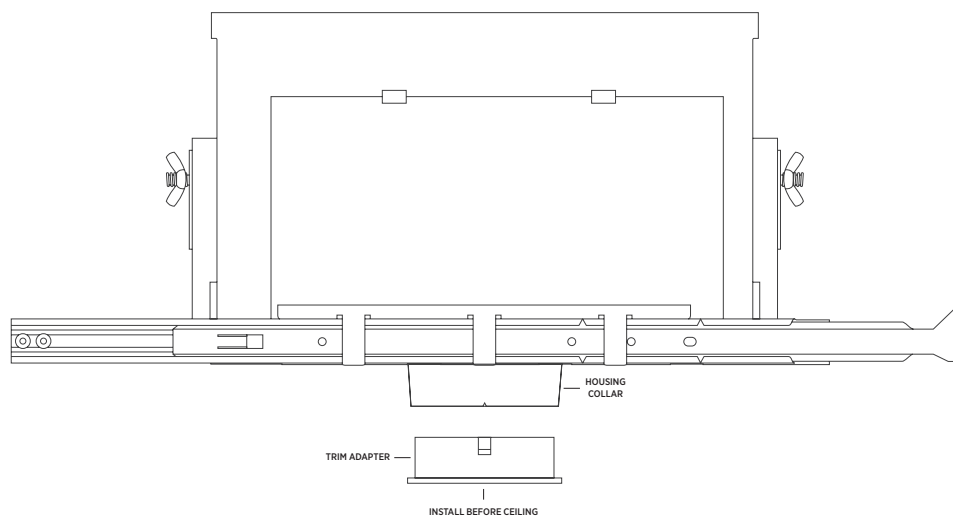


ROUND SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)

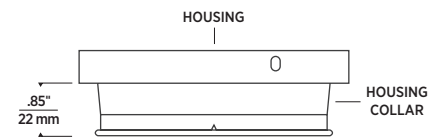


SQUARE SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)

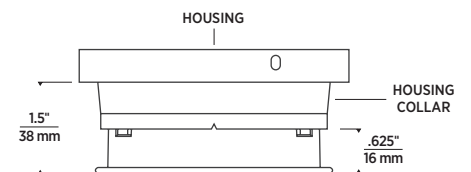
### FLANGELESS IN WOOD CEILING TRIM ADAPTER



#### 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









## ULTRA-SHALLOW FIXED DOWNLIGHT

### TRIM-MOUNTED REFLECTORS

ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. Available finishes include Anodized 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)	
	3" round, flanged, flat		<b>E3TREFNS1</b> (B OR S)
	3" square, flanged, flat		<b>E3TREFNS3</b> (B OR S)
	3" round, flangeless, flat		<b>E3TREFNS4</b> (B OR S)
	3" square, flangeless, flat		<b>E3TREFNS3</b> (B OR S)

Not compatible with lensed trims.

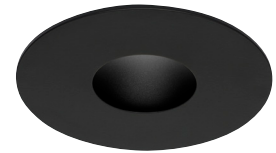
### ORDERING GRID

#### E3 TRIM-MOUNTED REFLECTORS

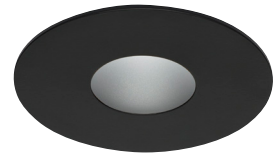
PRODUCT	STYLE	FINISH
<b>E3TREF</b>	<b>NS1</b> NON-SLOTTED	<b>B</b> ANODIZED BLACK
	<b>NS3</b> NON-SLOTTED	<b>S</b> ANODIZED SILVER
	<b>NS4</b> NON-SLOTTED	

#### 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 BLACK  
(TRIM MOUNTED)



SHOWN IN ANODIZED BLACK AND  
SILVER (REFLECTOR ONLY)

# ELEMENT™ 3" LED

## ULTRA-SHALLOW FIXED DOWNLIGHT

### PHOTOMETRICS

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

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

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

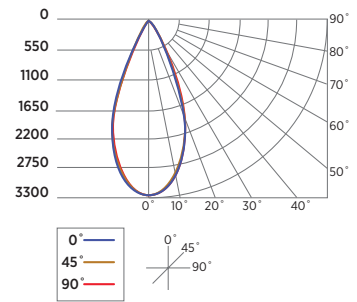
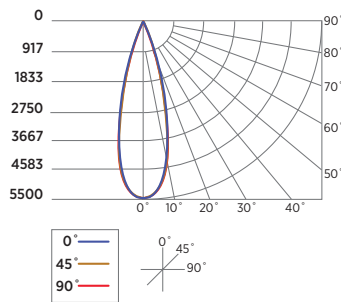
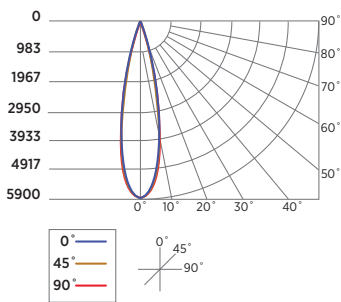
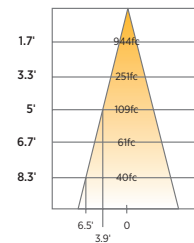
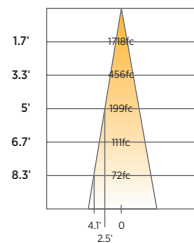
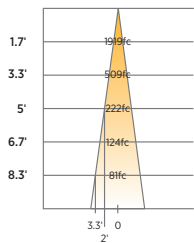
Input Power: 15.8W  
Input Power Factor: 0.98  
Absolute Luminous Flux (Lumens): 1440  
Lumen Efficacy (Lumens per Watt): 91.1

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

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

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



# ELEMENT™ 3" LED

## ULTRA-SHALLOW FIXED DOWNLIGHT

### PHOTOMETRICS

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

Input Power: 15.7W

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 1343

Lumen Efficacy (Lumens per Watt): 85.5

Description: 3" LED Module  
80° Beam  
90 CRI, 3000K

Input Power (Watts): 16.2

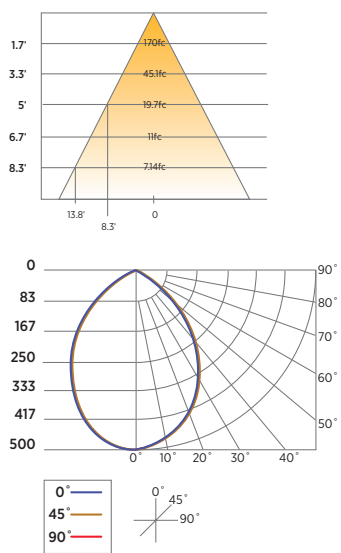
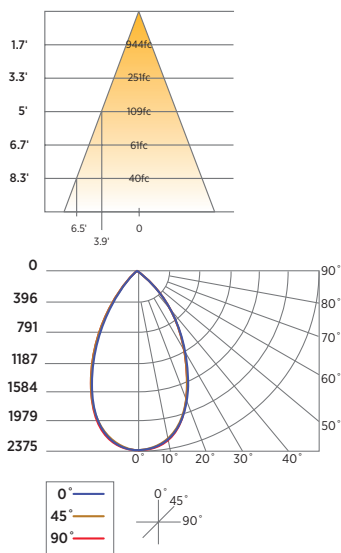
Input Power Factor: 0.99

Absolute Luminous Flux (Lumens): 819

Lumen Efficacy (Lumens per Watt): 51

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

ANGLE	0°	45°	90°
0°	492	492	492
5°	486	487	489
10°	474	474	477
15°	452	452	456
20°	424	423	428
25°	388	387	394
30°	345	345	351
35°	296	297	303
40°	244	246	251
45°	193	198	197
50°	144	153	146
55°	100	112	101
60°	62	75	60
65°	27	44	25
70°	7	16	7
75°	4	5	4
80°	3	3	2
85°	1	1	1
90°	0	0	0



# ELEMENT™ 3" LED

## ULTRA-SHALLOW FIXED DOWNLIGHT

### PROJECT INFORMATION

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### JOB NAME AND INFORMATION

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### FIXTURE TYPE AND QUANTITY

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