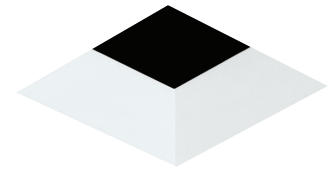


ELEMENT™ 3" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

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
- 2-step standard
- Includes integral junction box approved for branch circuit through wiring



SHOWN IN FLANGELESS BEVEL SQUARE

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	1800	1450	1319	1124	1300	900
WATTS	17	17	12	12	17	12
EFFICACY	106	85	110	94	76	75
CRI	80+	90+	80+	90+	90+	
CBCP	18° - 5,848 25° - 5,416 40° - 3,230 60° - 2,305				18° - N/A 25° - N/A 40° - 1,622 60° - N/A	
CCT	2700K, 3000K, or 3500K				3000K - 1800K	
COLOR CONSISTENCY	2-step				3-step	
VOLTAGE	120V or 277V					
DIMMING¹	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: 18°, 25°, 40°, or 60° TIR					
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					
WARRANTY²	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.

¹See visualcomfort.com for dimmer compatibility.

²Visit visualcomfort.com for specific warranty limitations and details.



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UPDATED 12/19/22

ELEMENT™ 3" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

ORDERING GRIDS

HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER
E3R ELEMENT 3" ROUND	LF FLANGELESS	-LH HIGH OUTPUT, 17W ²	827 80 CRI, 2700K, 2-STEP	1 18°	D DOWNLIGHT	US ULTRA-SHALLOW IC AIRTIGHT	INTEGRATED DRIVERS 120V/277V
E3S ELEMENT 3" SQUARE	FF FLANGED	-LO LOW OUTPUT, 12W ³	830 80 CRI, 3000K, 2-STEP	2 25°			UNIVERSAL PHASE/0-10V 1%
	WC WOOD CEILING ¹		835 80 CRI, 3500K, 2-STEP	4 40°		CUS ULTRA-SHALLOW CHICAGO PLENUM	(LEAVE BLANK) ⁴
			927 90 CRI, 2700K, 2-STEP	6 60°			
			930 90 CRI, 3000K, 2-STEP				
			935 90 CRI, 3500K, 2-STEP				
			WD 90 CRI, 3000-1800K, WARM DIM, 3-STEP				
		-			D		

Trims are required and must be ordered separately.
For dimming details, refer to dimmer compatibility chart.
¹WC - Wood ceiling option accommodates flangeless trims only.
²LH - High output available for wet applications. Not available for Sauna/Steam-room.
³LO - Sauna/steam-room use available only with combination of H Shower trim, LO low output housing, and US IC Airtight housing rating.
⁴Universal 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
E3R ELEMENT 3" ROUND	L FLANGELESS	B BEVEL	-O NO LENS	Z ANTIQUE BRONZE
E3S ELEMENT 3" SQUARE	F FLANGED UP TO 1" CEILING THICKNESS	F FLAT	-H SHOWER ¹	B BLACK
	F15 FLANGED 1.1"-1.5" CEILING THICKNESS		-L LENSED	S SATIN NICKEL
	F20 FLANGED 1.6"-2.0" CEILING THICKNESS			W WHITE
	F25 FLANGED 2.1"-2.5" CEILING THICKNESS			
			-	

Wood ceiling option accommodates flangeless trims only.
¹H - Sauna/steam-room use available only with combination of H shower trim, LO low output housing, and US IC Airtight housing rating.

PLASTER PLATES

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

Plaster plates are used to convert flanged housings into flangeless housings.
¹Ships standard with flangeless housings. Round not compatible with Lutron Hi-lume or eldoLED drivers.
²Optional, 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 / LOUVERS¹

PRODUCT	
140MR16SF	SOLITE SOFT FOCUS LENS
140MR16SB	SANDBLASTED LENS
140MR16LL	LINEAR SPREAD LENS
140MR16DF	DIFFUSER SPREAD LENS
EL2RHCBK	EGGCRATE/HEXCELL LOUVER

¹For 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
240E3LENSHLDR	1 ONE LENS
	2 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	
240E3SBLSP-B	BOROSILICATE LENS KIT E3 SQUARE BEVEL TRIM
240E3SQLSP-B	BOROSILICATE LENS KIT E3 SQUARE FLAT TRIM
240E3RBLSP-B	BOROSILICATE LENS KIT E3 ROUND BEVEL TRIM
240E3RDLSP-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
353E4LEDCOPT	18 18°
	25 25°
	40 40°
	60 60°

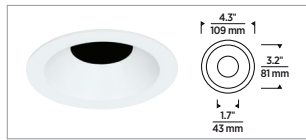
353E4LEDCOPT

ELEMENT™ 3" LED

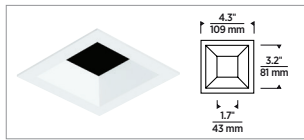
ULTRA-SHALLOW FIXED DOWNLIGHT

TRIMS

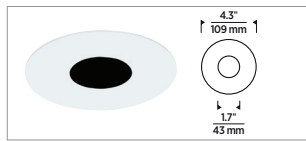
FLANGED



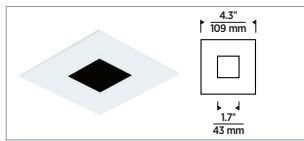
ROUND BEVEL



SQUARE BEVEL

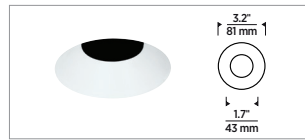


ROUND FLAT

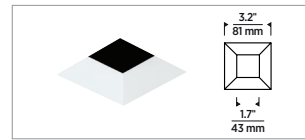


SQUARE FLAT

FLANGELESS



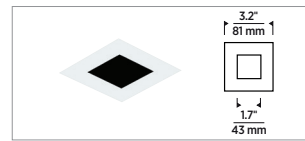
ROUND BEVEL



SQUARE BEVEL



ROUND FLAT



SQUARE FLAT

FINISH



ANTIQUE BRONZE



BLACK



SATIN NICKEL

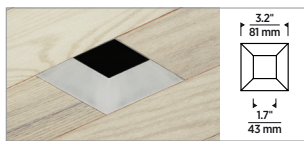


WHITE (PAINTABLE)

FLANGELESS IN WOOD CEILING



ROUND BEVEL (ANTIQUE BRONZE)



SQUARE BEVEL (SATIN NICKEL)

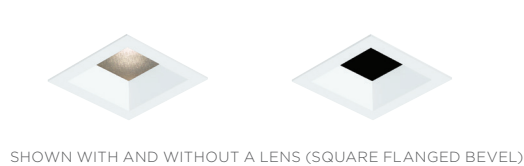


ROUND FLAT (ANTIQUE BRONZE)

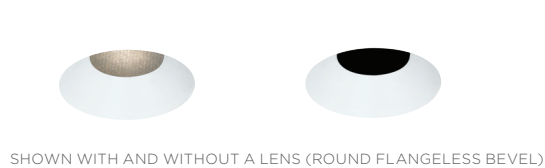


SQUARE FLAT (SATIN NICKEL)

LENS OPTION



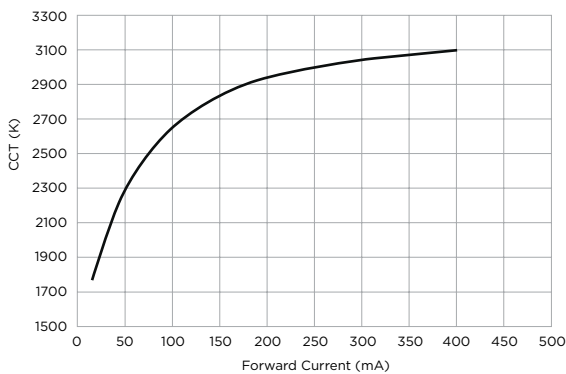
SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)



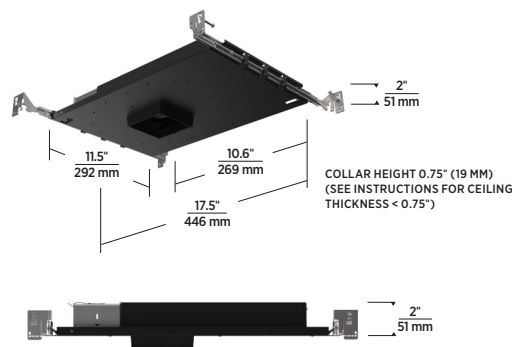
SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

WARM DIM CURVE

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



HOUSING

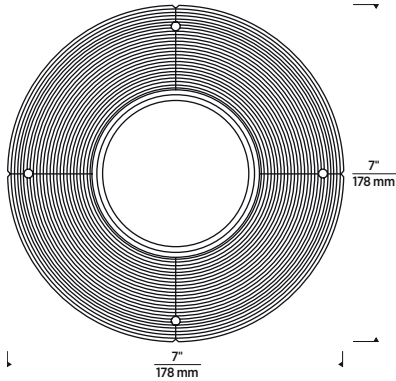


ELEMENT™ 3" LED

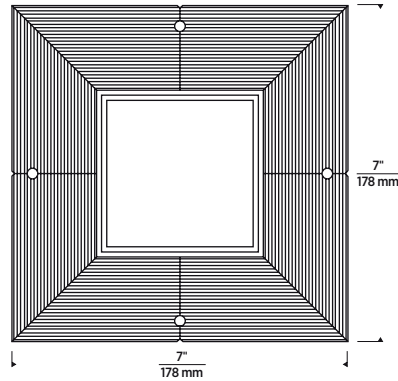
ULTRA-SHALLOW FIXED DOWNLIGHT

PLASTER PLATES

INCLUDED DIE-CAST

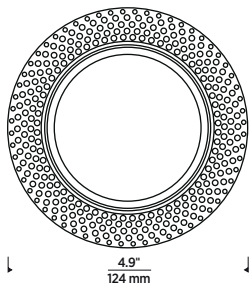


ROUND DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

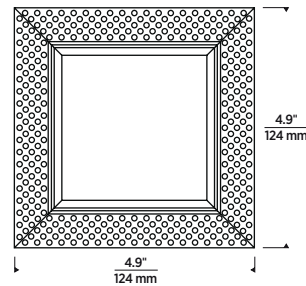


SQUARE DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

OPTIONAL SHEET METAL

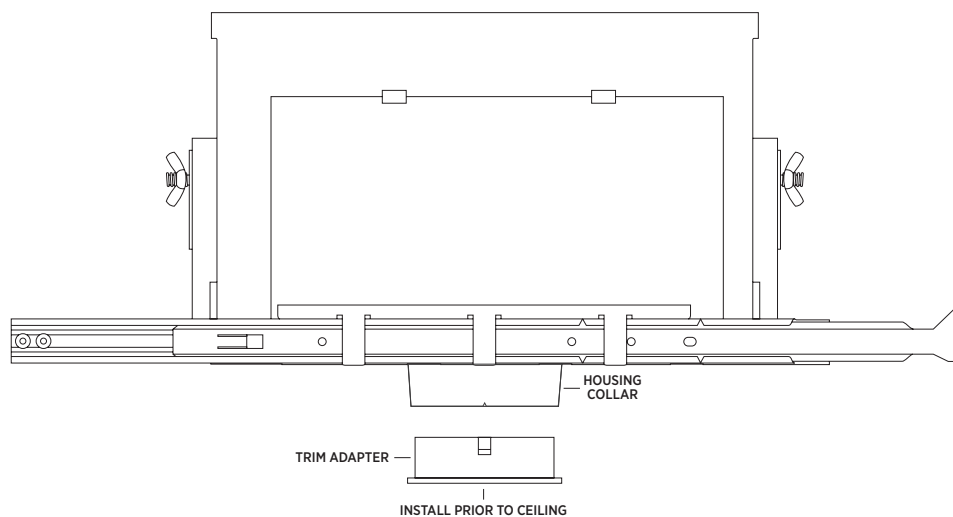


ROUND SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)

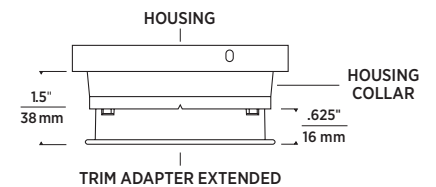
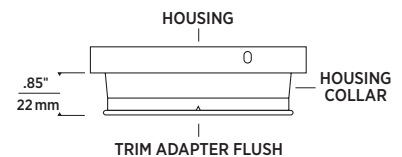


SQUARE SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)

FLANGELESS IN WOOD CEILING TRIM ADAPTER



TRIM ADAPTER INSTALLED



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		E3TREFNS1 (B OR S)
	3" square, flanged, flat		E3TREFNS3 (B OR S)
	3" round, flangeless, flat		E3TREFNS4 (B OR S)
	3" square, flangeless, flat		E3TREFNS3 (B OR S)

Not compatible with lensed trims.

ORDERING GRID

E3 TRIM-MOUNTED REFLECTORS

PRODUCT	STYLE	FINISH
E3TREF	NS1 NON-SLOTTED	B ANODIZED BLACK
	NS3 NON-SLOTTED	S ANODIZED SILVER
	NS4 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)



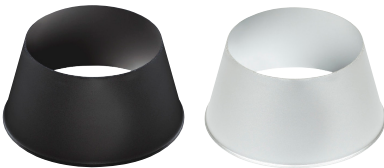
SHOWN IN ANODIZED SILVER
(BELOW CEILING VIEW)



SHOWN IN ANODIZED 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 - 0° Tilt, 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, 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

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

Model: E3 Citizen LED

Input Power (Watts): 16.9

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 1774

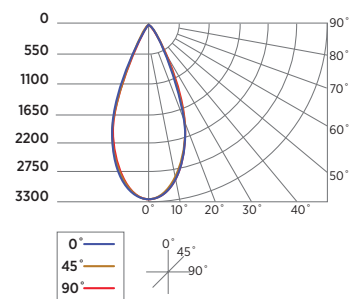
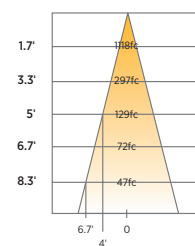
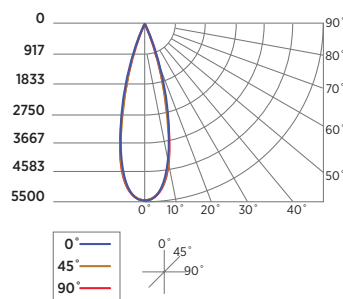
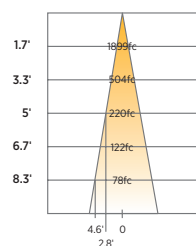
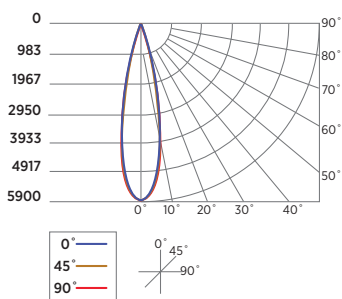
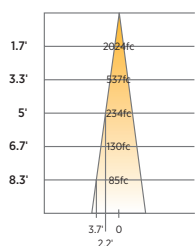
Lumen Efficacy (Lumens per Watt): 104.67

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

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

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



ELEMENT™ 3" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

PHOTOMETRICS

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

Model:E3 Citizen LED

Input Power (Watts):18.4

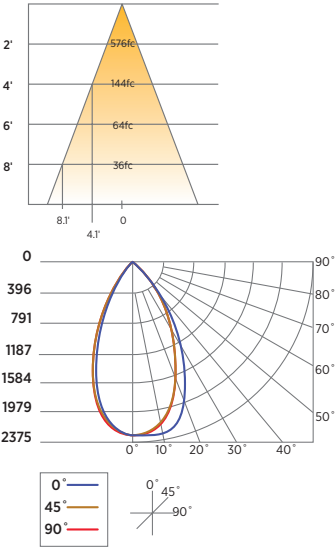
Input Power Factor:0.98

Absolute Luminous
Flux (Lumens):1536

Lumen Efficacy
(Lumens per Watt):83.5

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

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

ULTRA-SHALLOW FIXED DOWNLIGHT

VISUAL COMFORT & CO.

ARCHITECTURAL COLLECTION

FORMERLY KNOWN AS TECH LIGHTING

7400 Linder Avenue, Skokie, Illinois 60077

T 847.410.4400 | visualcomfort.com

