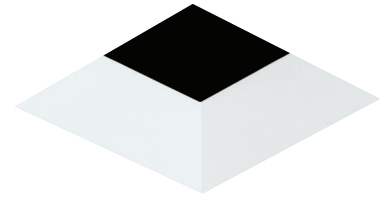


ELEMENT™ 3" LED

FIXED DOWNLIGHT



SHOWN IN FLANGELESS BEVEL SQUARE

The ELEMENT 3" Next Generation Fixed recessed downlight features a patented high/low lamp positioning which 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. LED options include premium warm dim, tunable white, Xicato and Xicato Artist Series. Trim options include flanged or flangeless and flangeless in wood ceiling.

- Housing reduced by 60%
- 1-step static white, 2-step warm dim and tunable white
- Patented high/low lamp positioning
- Standard dimming down to 1%
- Trim reflector options
- Solite Soft Focus lens option

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		XICATO		WARM DIM		TUNABLE WHITE	
	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES	HIGH OUTPUT	LOW OUTPUT	5000K-2700K (3000K)	4000K-1800K (3000K)
DELIVERED LUMENS	1697/1440	1303/1106	1129	945	1225	941	1174	1209
WATTS	16	12	15	15	16	12	15	15
EFFICACY	106/90	109/92	75	63	77	78	78	81
CRI	80+/90+		80+	95+	90+		90+	
CBCP	10° - 24,575 18° - 5,639 25° - 5,033 40° - 2,739 60° - 1,699 80° - 492		21° - 3,184 43° - 2,733 60° - 1,014 (Values at 80 CRI)		18° - 4,793 25° - 4,221 40° - 2,328 60° - 1,444 80° - N/A		18° - 5,019 25° - 4,220 40° - 2,438 60° - 1,512 80° - N/A	
CCT	2700K, 3000K, or 3500K		2700K, 3000K, or 3500K ³		3000K - 1800K		5000K - 2700K	4000K - 1800K
COLOR CONSISTENCY	1-step		1 X 2-step		2-step		2-step	
VOLTAGE	120V or 277V							
DIMMING ¹	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%	
POWER SUPPLY	Constant current driver with +.9 power factor and +80% efficiency							
OPTICS	10°, 18°, 25°, 40°, 60° TIR, or 80°		Field changeable: 21°, 43°, or 60° Reflector		18°, 25°, 40°, 60° TIR, or 80°			
ADJUSTABILITY	High/low lamp positioning; 45° collar 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	3-7/8" ceiling cutout							
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 ²	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.

¹See visualcomfort.com for dimmer compatibility.

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

³3500K Xicato module not available for Artist series.

ELEMENT™ 3" LED

FIXED DOWNLIGHT

ORDERING GRIDS

HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	LAMP	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER
E3R ELEMENT 3" ROUND	LF FLANGELESS FF FLANGED	-LH HIGH OUTPUT, 16W ² -LO LOW OUTPUT, 12W ³	827 80 CRI, 2700K, 1-STEP 830 80 CRI, 3000K, 1-STEP 835 80 CRI, 3500K, 1-STEP 927 90 CRI, 2700K, 1-STEP 930 90 CRI, 3000K, 1-STEP 935 90 CRI, 3500K, 1-STEP WD 90 CRI, 3000-1800K, WARM DIM, 2-STEP TW52 90 CRI, 5000K-2700K, TUNABLE WHITE, 2-STEP ⁴ TW41 90 CRI, 4000K-1800K, TUNABLE WHITE, 2-STEP ⁴	0 10° ⁵ 1 18° 2 25° 4 40° 6 60° 8 80° ⁶	D DOWNLIGHT	I IC AIRTIGHT N NON-IC AIRTIGHT C CHICAGO PLENUM	INTEGRATED DRIVERS 120V/277V UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK) ⁶ -ELDO ELDOLED 0.1% 0-10V LINEAR -ELDOA ELDOLED 0.1% 0-10V LOGARITHMIC -ELDD ELDOLED 0.1% DALI-2 -ELTO ELDOLED TUNABLE WHITE 0.1% 0-10V LINEAR ^{4,8} -ELTD ELDOLED TUNABLE WHITE 0.1% DALI-24, ⁸ -HLECO LUTRON HI-LUME 0.1% ECOSYSTEM
E3S ELEMENT 3" SQUARE	WC WOOD CEILING ¹	-X XICATO, HIGH OUTPUT, 14W ⁹	I27 80 CRI, 2700K, 1X2-STEP, XICATO I30 80 CRI, 3000K, 1X2-STEP, XICATO I35 80 CRI, 3500K, 1X2-STEP, XICATO A27 95 CRI, 2700K, 1X2-STEP, XICATO ARTIST A30 95 CRI, 3000K, 1X2-STEP, XICATO ARTIST	21 21° XICATO 43 43° XICATO 60 60° XICATO			
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 I IC housing rating.

⁴TW52/TW41/ELTO/ELTD - Tunable white only available in high output, only available with ELTO (0-10V, linear), or ELTD (DALI-2). For 0-10V logarithmic dimming consult Quotes Department.

⁵0 - 10° optic has a unique LED module not available with warm dim or tunable white. Changing optics from 10° to 18°, 25°, 40°, or 60° will require a new LED module.

⁶8 - 80° beam optic is not available with Xicato. 80° beam spread must be used with 80° bevel (B8) style trim.

⁷Universal dimming is reverse-phase, forward-phase, TRIAC and 0-10V. 277V is only compatible with 0-10V dimming.

⁸ELTO/ELTD - EldoLED tunable white drivers are not compatible with round flangeless (E3RLF) or round wood ceiling (E3RWC) housings.

⁹X - 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:

-O10 for 0-10V 120V, **-277** for phase 277V or **-O10-277** for 0-10V 277. For example: E3RLF-XA2743DI-**O10** or E3RLF-XA2743DI-**277** or E3RLF-XA2743DI-**O10-277**. 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
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 F15 FLANGED 1.1"-1.5" CEILING THICKNESS ¹ F20 FLANGED 1.6"-2.0" CEILING THICKNESS ¹ F25 FLANGED 2.1"-2.5" CEILING THICKNESS ¹	F FLAT B8 80° BEVEL ^{1,2}	-H SHOWER ^{3,4} -L LENSED ⁴	B BLACK S SATIN NICKEL W WHITE

Wood ceiling option accommodates flangeless trims only.

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

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

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

⁴H, L - Lensed products come with Solite Soft Focus lens.

LENSES/LOUVERS

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

PREMIUM LENS HOLDER

PRODUCT	LENSES
240E3LENSHLDR	1 ONE LENS 2 TWO LENSES

240E3LENSHLDR

Provides more secure mounting of additional lenses than the lens holder that ships with each fixture. Not compatible with the 10° beam spread.

PLASTER PLATES

PRODUCT	
150E3RPPLT-2	3" PLASTER PLATE ROUND DIE-CAST METAL ¹
150E3SPPLT-2	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.

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.

ELEMENT™ 3" LED

FIXED DOWNLIGHT

ORDERING GRIDS, CONT.

REPLACEMENT OPTICS

PRODUCT	BEAM SPREAD
353E4LEDCOPT	18 18°
	25 25°
	40 40°
	60 60°

353E4LEDCOPT

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

REPLACEMENT REFLECTORS

PRODUCT ¹	BEAM SPREAD
352LEDXREF	21 21°
	43 43°
	60 60°

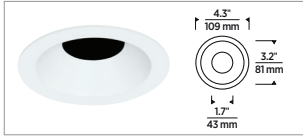
352LEDXREF

¹For use with Xicato modules only.

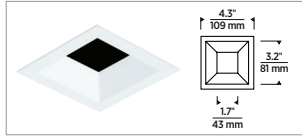
ELEMENT™ 3" LED FIXED DOWNLIGHT

TRIMS

FLANGED

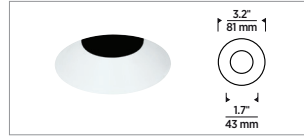


ROUND BEVEL

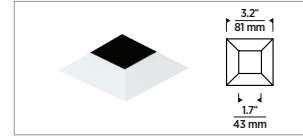


SQUARE BEVEL

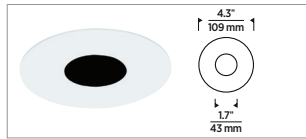
FLANGELESS



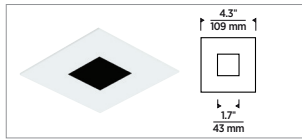
ROUND BEVEL



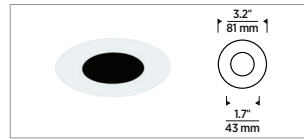
SQUARE BEVEL



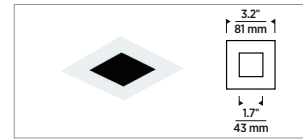
ROUND FLAT



SQUARE FLAT



ROUND FLAT



SQUARE FLAT

FINISH



ANTIQUE BRONZE



BLACK



SATIN NICKEL

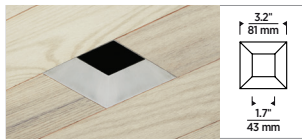


WHITE (PAINTABLE)

FLANGELESS IN WOOD CEILING



ROUND BEVEL (ANTIQUE BRONZE)



SQUARE BEVEL (SATIN NICKEL)



ROUND FLAT (ANTIQUE BRONZE)



SQUARE FLAT (SATIN NICKEL)

LENS OPTION



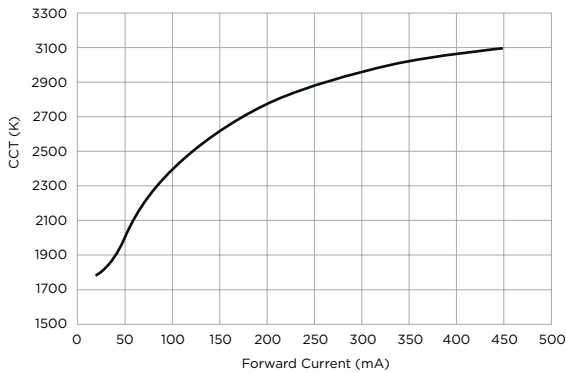
SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)



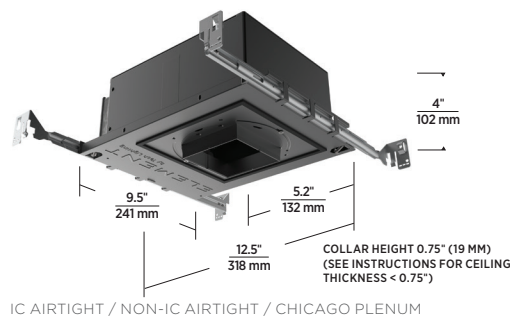
SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

WARM DIM CURVE

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



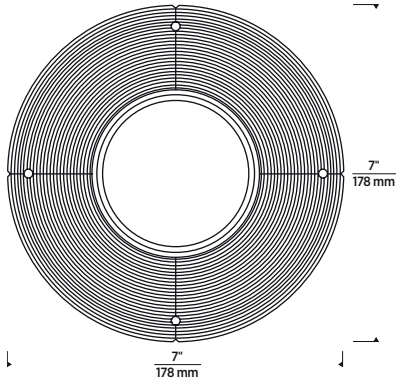
HOUSING



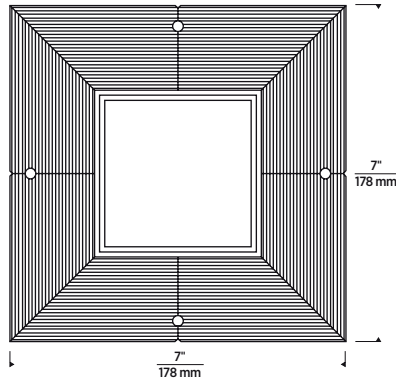
ELEMENT™ 3" LED FIXED DOWNLIGHT

PLASTER PLATES

INCLUDED DIE-CAST

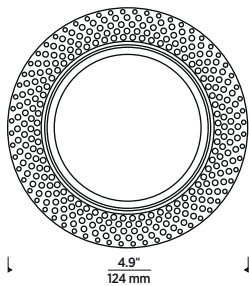


ROUND DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

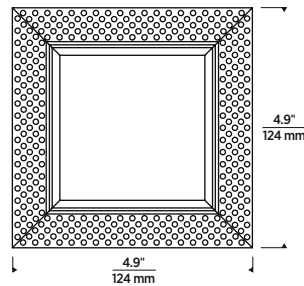


SQUARE DIE-CAST (INCLUDED FOR FLANGELESS INSTALLATION)

OPTIONAL SHEET METAL

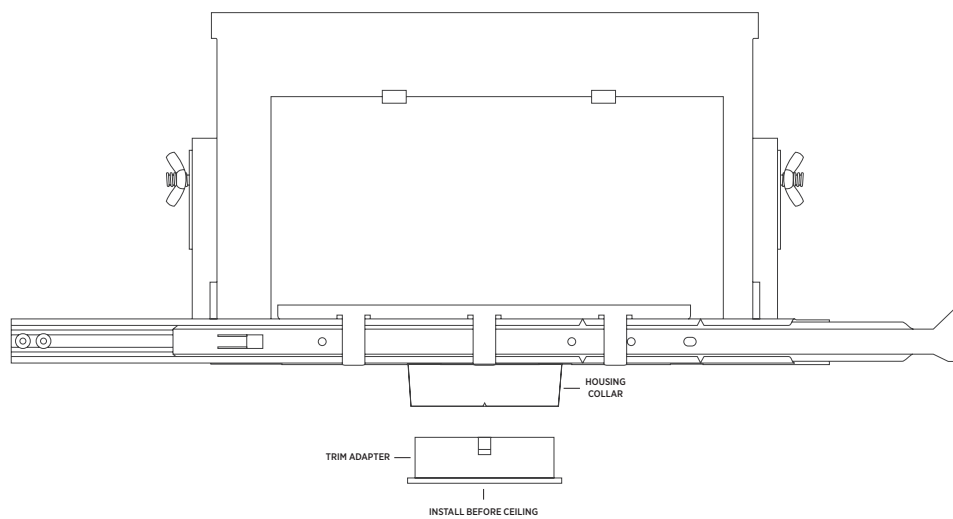


ROUND SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)



SQUARE SHEET METAL (OPTIONAL FOR FLANGELESS INSTALLATION)

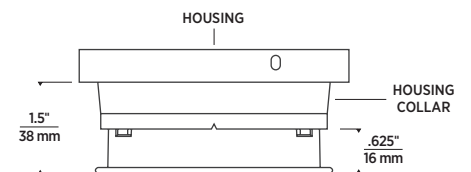
FLANGELESS IN WOOD CEILING TRIM ADAPTER



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 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 ¹)	SLOTTED (FOR ADJUSTABLE)
 3" round, flanged, bevel	 E3TREFNS1 (B OR S)	 E3TREFS4 (B OR S)
 3" square, flanged, bevel	 E3TREFNS5 (B OR S)	 E3TREFS1 (B OR S)
 3" round, flanged, flat	 E3TREFNS1 (B OR S)	 E3TREFS4 (B OR S)
 3" square, flanged, flat	 E3TREFNS3 (B OR S)	 E3TREFS2 (B OR S)
 3" round, flangeless, bevel	 E3TREFNS2 (B OR S)	 E3TREFS6 (B OR S)
 3" square, flangeless, bevel	 E3TREFNS6 (B OR S)	 E3TREFS5 (B OR S)
 3" round, flangeless, flat	 E3TREFNS4 (B OR S)	 E3TREFS3 (B OR S)
 3" square, flangeless, flat	 E3TREFNS3 (B OR S)	 E3TREFS2 (B OR S)

May require lamp to be placed in high position.
Not compatible with lensed trims.

¹Non-slotted reflectors may be used in adjustable housings with the lamp assembly placed in the 0° tilt position.

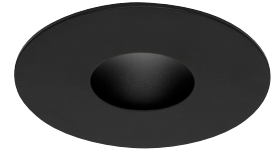
ORDERING GRID

E3 TRIM-MOUNTED REFLECTORS

PRODUCT	STYLE	FINISH
E3TREF	NS1 NON-SLOTTED	B ANODIZED BLACK
	NS2 NON-SLOTTED	S ANODIZED SILVER
	NS3 NON-SLOTTED	
	NS4 NON-SLOTTED	
	NS5 NON-SLOTTED	
	NS6 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

FIXED DOWNLIGHT

PHOTOMETRICS

Description: 3" LED Module
10° Beam
90 CRI, 3000K

Input Power: 18.2W
Input Power Factor: 0.99

Absolute Luminous Flux (Lumens): 987
Lumen Efficacy (Lumens per Watt): 54.2

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

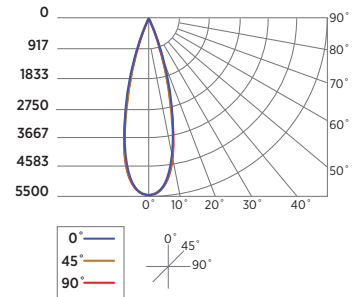
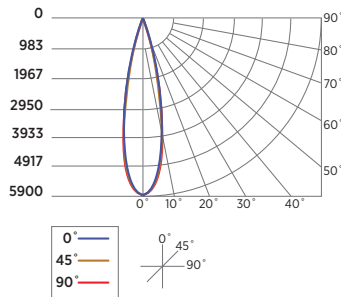
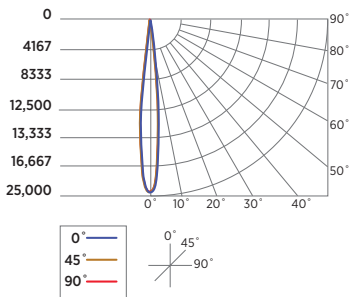
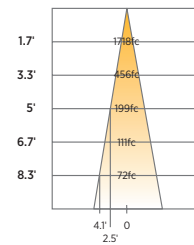
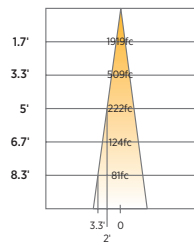
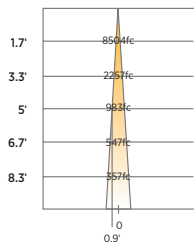
Absolute Luminous Flux (Lumens): 1421
Lumen Efficacy (Lumens per Watt): 89.9

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

ANGLE	0°	45°	90°
0°	24575	24575	24575
5°	12004	10898	12296
10°	1418	1275	1517
15°	355	332	340
20°	171	165	154
25°	90	85	87
30°	52	48	49
35°	33	31	32
40°	21	19	19
45°	10	11	8
50°	3	6	3
55°	2	2	2
60°	1	1	1
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

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



ELEMENT™ 3" LED

FIXED DOWNLIGHT

PHOTOMETRICS

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

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

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

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

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

