

3" LED

ADJUSTABLE DOWNLIGHT

ELEMENT
by Tech Lighting*

LED 5 YEAR WARRANTY

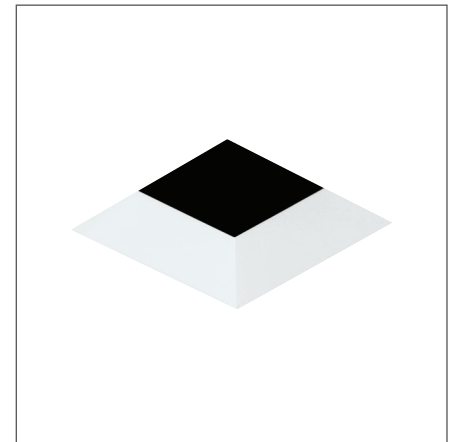
This small aperture LED downlight is fully adjustable with ELEMENT's patented high-low lamp positioning. The innovative design allows the LED to be positioned closer to the aperture for maximum light output and efficiency or higher to minimize glare and flash on the trim. Wood ceiling option allows for a smooth, flangeless appearance using any flangeless trim.

ELEMENT offers five LED options that allow specifiers to choose the LED source they value most based on output, quality of light, color and more.

- Patented high-low lamp positioning
- Lockable tool-free hot aiming with 0°- 40° tilt and 361° rotation
- Trims are die cast aluminum and match ELEMENT 3" series
- Lensed and shower aperture includes Solite™ soft focus lens
- Lumenetix Programmable white is Bluetooth enabled for remote brightness, hue, color and saturation control. Lumenetix Araya App is available as an IOS app available from Apple.

SPECIFICATIONS

								
	CITIZEN		CITIZEN WARM DIM		XICATO		LUMENETIX WARM COLOR DIMMING	LUMENETIX PROGRAMMABLE WHITE
	HIGH OUTPUT	LOW OUTPUT	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES		
DELIVERED LUMENS	1811 / 1476	1319 / 1124	1320	900	1129	945	675	675
WATTS	18	12	18	12	15	15	13	14
EFFICACY	100 / 82	110 / 94	73	75	75	63	52	48
CRI	80+ / 90+	80+ / 90+	90+		80+	95+	90+	90+
CBCP	10° - 19,414 15° - 5848 25° - 5416 40° - 3369		15° - N/A 25° - N/A 40° - 1622		21° - 3184 43° - 1644 60° - 1014		21° - N/A 43° - N/A 60° - 595	21° - N/A 43° - N/A 60° - 595
CCT OPTIONS	2700K, 3000K or 3500K		3000K-1800K Warm Dim		2700K, 3000K or 3500K***		3000K-1800K Warm Dim	1600K-4000K
VOLTAGE	120V or 277V							
DIMMING*	TRIAC, ELV, 0-10V (Down to 5%) Lutron Hi-Lume Ecosystem Fade-To-Black or PWM (Down to 1%) eldoLED 0-10V or Dali (Down to 0%)						0-10V: Down to 1%	0-10V (2 sets), Bluetooth, DMX: Down to 1%
POWER SUPPLY	Constant current driver with +.9 power factor and +80% efficiency						12V DC Constant Voltage	
OPTICS	Field Changeable: 10°, 15°, 25°, 40° TIR				Field Changeable: 21°, 43°, 60° Reflector			
ADJUSTABILITY	Lockable hot-aiming 0-40° tilt, 361° rotation, High-low lamp positioning							
CEILING APPEARANCE	Flanged (Accommodates up to 2.5" ceiling thickness) or Flangeless							
CEILING APERTURE	3-7/8" ceiling cut-out							
HOUSING	IC Airtight, Non-IC Airtight, Chicago Plenum, IC suitable up to R60 spray foam insulation							
CONSTRUCTION	Housing: Heavy gauge cold rolled steel Trims: Die cast aluminum							
FINISH	Housing: Black Powder Coat Trims: Antique Bronze, Black, Satin Nickel, White (paintable)							
GENERAL LISTING	ETL listed. Damp listed. Shower version wet listed.							
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2016 Title 24 Part 6 (90 CRI versions, except Lumenetix models).							
LED LIFETIME	L70; 50,000 hours							
WARRANTY**	5 years							



shown in flangeless bevel square

*See ELEMENT-lighting.com for dimmer compatibility.

**Visit ELEMENT-lighting.com for specific warranty limitations and details.

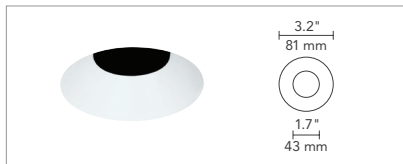
***3500K Xicato module not available for Artist series.

Data in chart reflect 3000K/80 CRI values unless noted.

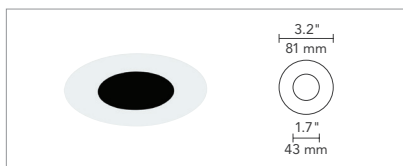
Consult Quotes Dept for alternate or custom driver selections. Accepts two optical controls and an optional trim-mounted lens.

TRIMS

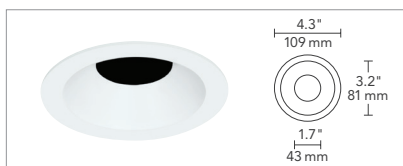
ROUND



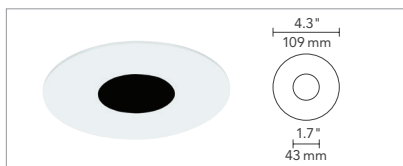
FLANGELESS BEVEL



FLANGELESS FLAT

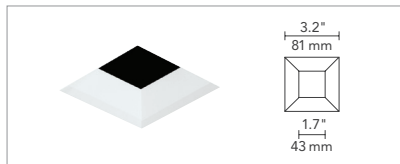


FLANGED BEVEL

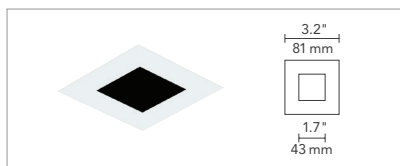


FLANGED FLAT

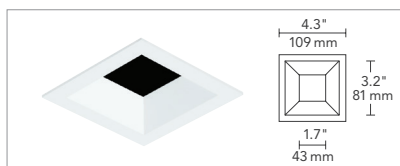
SQUARE



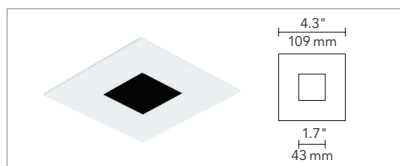
FLANGELESS BEVEL



FLANGELESS FLAT

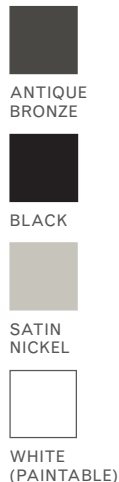


FLANGED BEVEL

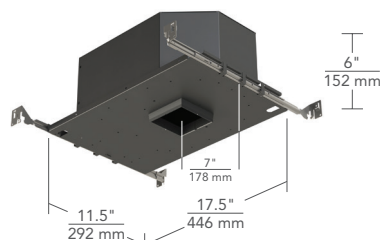


FLANGED FLAT

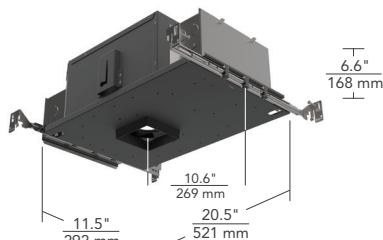
FINISH



3" HOUSING



IC / NON-IC / CHICAGO PLENUM



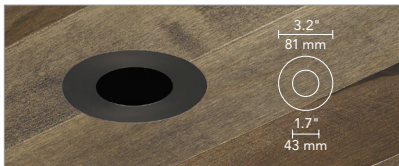
EMERGENCY BATTERY
(IC / NON-IC / CHICAGO PLENUM)

WOOD CEILING FLANGELESS OPTIONS / FLANGELESS TRIMS

ROUND



FLANGELESS BEVEL (ANTIQUE BRONZE)



FLANGELESS FLAT (ANTIQUE BRONZE)

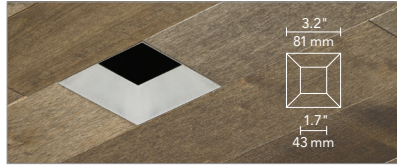


FLANGELESS BEVEL (ANTIQUE BRONZE)



FLANGELESS FLAT (ANTIQUE BRONZE)

SQUARE



FLANGELESS BEVEL (SATIN NICKEL)



FLANGELESS FLAT (SATIN NICKEL)



FLANGELESS BEVEL (SATIN NICKEL)



FLANGELESS FLAT (SATIN NICKEL)

FINISH



ANTIQUE BRONZE



BLACK

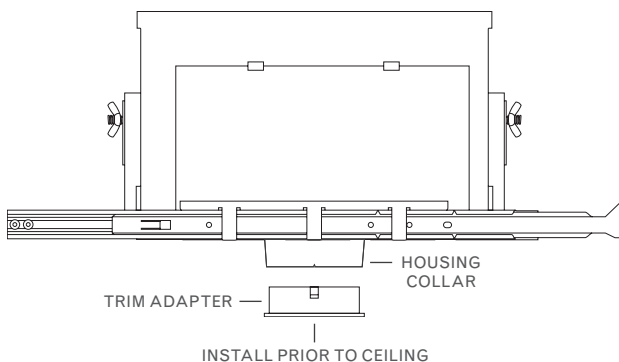


SATIN NICKEL

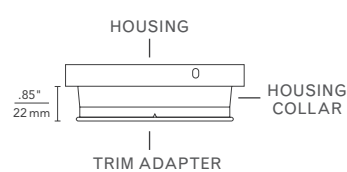


WHITE (PAINTABLE)

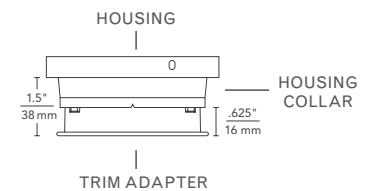
ADJUSTABLE TRIM ADAPTER



TRIM ADAPTER INSTALLED



ADAPTER FLUSH



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.

GRIDS

HOUSING

PRODUCT SERIES	CEILING APPEARANCE	LAMP	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
E3R ELEMENT 3" ROUND	LF FLANGELESS	-LH827 CITIZEN 80 CRI, 2700K, HIGH OUTPUT	0 10° (CITIZEN)††	A ADJUSTABLE	I IC AIRTIGHT	STANDARD ELV/LUMENETIX (LEAVE BLANK)	120 VOLT (LEAVE BLANK)
E3S ELEMENT 3" SQUARE	FF FLANGED	-LH830 CITIZEN 80 CRI, 3000K, HIGH OUTPUT	1 15° (CITIZEN)		N NON-IC AIRTIGHT	-010 0-10V DIMMING	-277 277 VOLT
	WC WOOD CEILING*	-LH835 CITIZEN 80 CRI, 3500K, HIGH OUTPUT	2 25° (CITIZEN)		C CHICAGO PLENUM	-ELD0 ELDOLED 0% 0-10V LINEAR†	
		-LH927 CITIZEN 90 CRI, 2700K, HIGH OUTPUT	4 40° (CITIZEN)		E EMERGENCY BATTERY (NON-IC)	-ELD0A ELDOLED 0% 0-10V LOGARITHMIC†	
		-LH930 CITIZEN 90 CRI, 3000K, HIGH OUTPUT	21 21° (XICATO / LUMENETIX)			-ELD1 ELDOLED 1% 0-10V LINEAR†	
		-LH935 CITIZEN 90 CRI, 3500K, HIGH OUTPUT	43 43° (XICATO / LUMENETIX)			-ELD1A ELDOLED 0% 0-10V LOGARITHMIC†	
		-LHWD CITIZEN 90 CRI WARM DIM 3000-1800K, HIGH OUTPUT	60 60° (XICATO / LUMENETIX)			-ELDD ELDOLED 0% DALI†	
		-LO827 CITIZEN 80 CRI, 2700K, LOW OUTPUT				-HL2W HI-LUME 1% 2 WIRE / PWM††	
		-LO830 CITIZEN 80 CRI, 3000K, LOW OUTPUT				-HLECO HI-LUME 1% ECO-SYSTEM FADE-TO-BLACK†	
		-LO835 CITIZEN 80 CRI, 3500K, LOW OUTPUT					
		-LO927 CITIZEN 90 CRI, 2700K, LOW OUTPUT					
		-LO930 CITIZEN 90 CRI, 3000K, LOW OUTPUT					
		-LO935 CITIZEN 90 CRI, 3500K, LOW OUTPUT					
		-LOWD CITIZEN 90 CRI WARM DIM 3000-1800K, LOW OUTPUT					
		-XI27 XICATO, 80+ CRI, 2700K					
		-XI30 XICATO, 80+ CRI, 3000K					
		-XI35 XICATO, 80+ CRI, 3500K					
		-XA27 XICATO ARTIST, 95+ CRI, 2700K					
		-XA30 XICATO ARTIST, 95+ CRI, 3000K					
		-LXWD LUMENETIX WARM COLOR DIMMING 3000K-1800K**					
		-LXPD LUMENETIX PROGRAMMABLE WHITE 4000K-1600K**					
		-					

TRIMS ARE REQUIRED AND MUST BE ORDERED SEPARATELY. *WOOD CEILING OPTION ACCOMMODATES FLANGELESS TRIMS ONLY. **LUMENETIX 0-10V DIMMING ONLY, LEAVE DRIVER COLUMN BLANK. †HI-LUME & ELDOLED DRIVERS NOT COMPATIBLE WITH ROUND FLANGELESS (E3RLF) OR ROUND WOOD CEILING (E3RWC) HOUSINGS. ††NOTE: 10° OPTIC HAS A UNIQUE LED MODULE NOT AVAILABLE WITH WARM DIM. CHANGING OPTICS TO 15°, 25°, OR 40° WILL REQUIRE A NEW LED MODULE. ‡HL2W - TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120V ONLY.

TRIM

PRODUCT SERIES	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	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.

REPLACEMENT OPTICS

	BEAM SPREAD
353LEDHIOPT	15 15°
	25 25°
	40 40°
353LEDHIOPT	

REPLACEMENT REFLECTORS*

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

*FOR USE WITH XICATO & LUMENETIX MODULES ONLY.

PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES

ELEMENT
by Tech Lighting®

GENERATION BRANDS
7400 Linder Avenue, Skokie, Illinois 60077
T 847.410.4400 F 847.410.4500



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3" LED

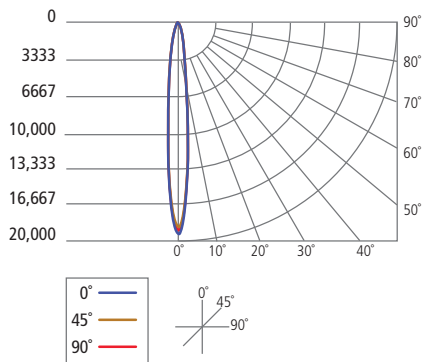
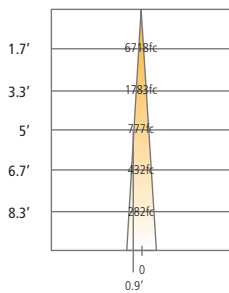
ADJUSTABLE DOWNLIGHT

PHOTOMETRICS: 3" LED

DESCRIPTION: 3" LED Module
10° Beam - 0° Tilt, 80 CRI, 3000K
MODEL: E3 Remodel Fixed 10° High Output

INPUT POWER (WATTS): 16.3
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1337
LUMEN EFFICACY (LUMENS PER WATT): 82

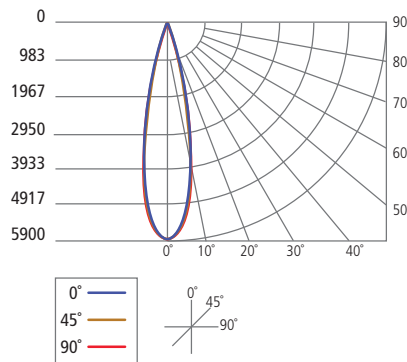
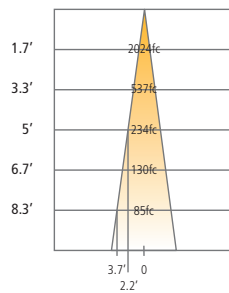
ANGLE	0°	45°	90°
0°	19414	19414	19414
5°	10254	10254	10254
10°	3511	3511	3511
15°	1342	1342	1342
20°	383	383	383
25°	126	126	126
30°	84	84	84
35°	54	54	54
40°	31	31	31
45°	22	22	22
50°	18	18	18
55°	11	11	11
60°	6	6	6
65°	3	3	3
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



DESCRIPTION: 3" LED Module
15° 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

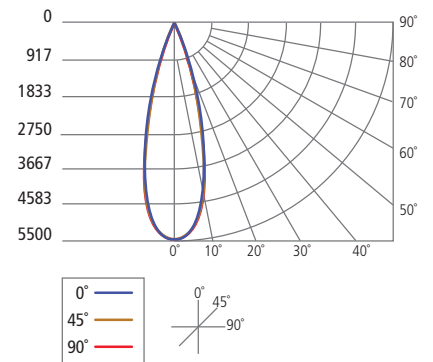
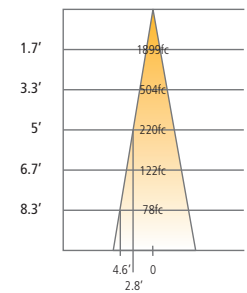
ANGLE	0°	45°	90°
0°	5848	5848	5848
5°	5500	5478	5491
10°	3919	3944	3905
15°	2103	2212	2149
20°	1058	1199	1075
25°	507	548	508
30°	250	237	250
35°	148	140	141
40°	93	98	94
45°	51	69	61
50°	33	46	37
55°	21	27	24
60°	4	15	10
65°	2	3	2
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



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

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



*For 90 CRI values, multiply by 0.8.

GENERATION BRANDS



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ELEMENT
by Tech Lighting®

7400 Linder Avenue, Skokie, Illinois 60077 T 847.410.4400 F 847.410.4500

3" LED

ADJUSTABLE DOWNLIGHT

PHOTOMETRICS: 3 "LED

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

MODEL: E3 Citizen LED

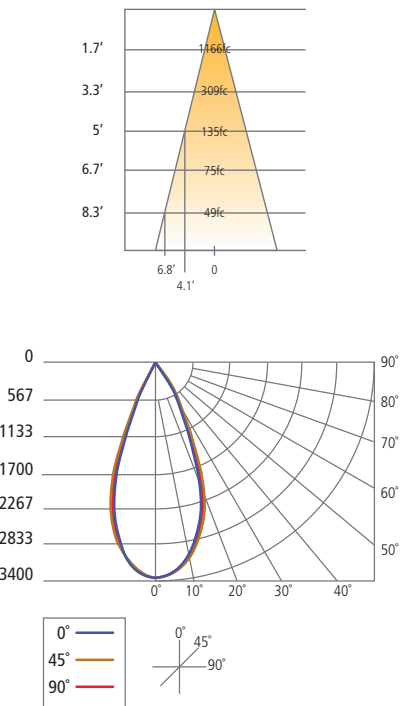
INPUT POWER (WATTS): 18.1

INPUT POWER FACTOR: 0.97

ABSOLUTE LUMINOUS FLUX (LUMENS): 1811*

LUMEN EFFICACY (LUMENS PER WATT): 100.1

ANGLE	0°	45°	90°
0°	3369	3369	3369
5°	3269	3245	3250
10°	3006	2955	2962
15°	2597	2550	2541
20°	2046	2013	1999
25°	1161	1206	1151
30°	498	519	492
35°	219	212	205
40°	110	112	103
45°	60	64	52
50°	24	37	21
55°	13	20	10
60°	4	9	3
65°	2	3	2
70°	1	2	1
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



*For 90 CRI values, multiply by 0.8.