

# 3" LED ADJUSTABLE DOWNLIGHT








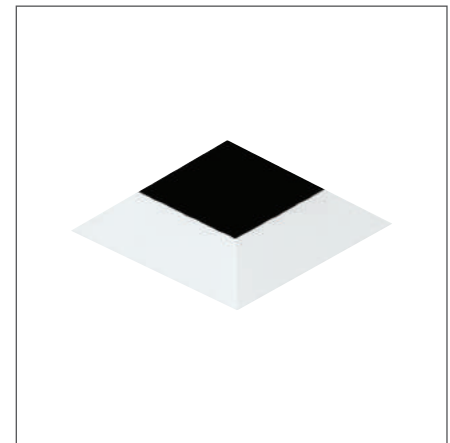
This small aperture LED downlight is fully adjustable with ELEMENT's patented high-low lamp positioning. The innovative design allows the LED to be positioned closer to the aperture for maximum light output and efficiency or higher to minimize glare and flash on the trim. Wood ceiling option allows for 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
- Includes integral junction box approved for branch circuit through wiring

## SPECIFICATIONS

								
	CITIZEN HIGH OUTPUT	CITIZEN LOW OUTPUT	CITIZEN WARM DIM HIGH OUTPUT	CITIZEN WARM DIM LOW OUTPUT	XICATO STANDARD SERIES	XICATO ARTIST SERIES	LUMENETIX WARM COLOR DIMMING	LUMENETIX PROGRAMMABLE WHITE
DELIVERED LUMENS	1811 / 1476	1319 / 1124	1320	900	1075	725	675	675
WATTS	18	12	18	12	15	13	13	14
EFFICACY	100 / 82	110 / 94	73	75	72	56	52	48
CRI	80+ / 90+	80+ / 90+	90+		80+	95+	90+	90+
CBCP	10° - 13,420 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. CA Title 24 compliant with 90 CRI versions, except Lumenetix models.							
LED LIFETIME	L70; 50,000 hours							
WARRANTY**	5 years							

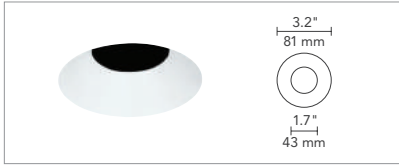


shown in flangeless bevel square

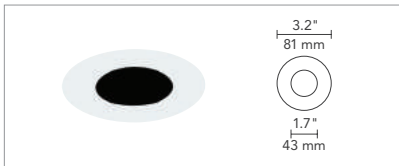
\*See ELEMENT-lighting.com for dimmer compatibility.  
 \*\*Visit ELEMENT-lighting.com for specific warranty limitations and details.  
 \*\*\*3500K Xicato module not available for Artist series.  
 Data in chart reflect 3000K/80 CRI values unless noted.  
 Consult Quotes Dept for alternate or custom driver selections. Accepts two optical controls and an optional trim-mounted lens.

TRIMS

ROUND



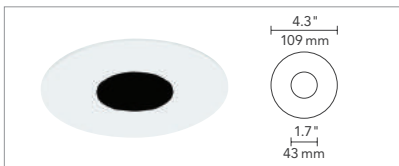
FLANGELESS BEVEL



FLANGELESS FLAT

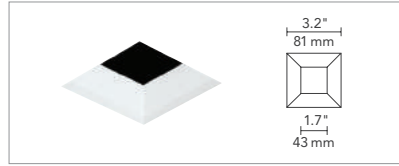


FLANGED BEVEL

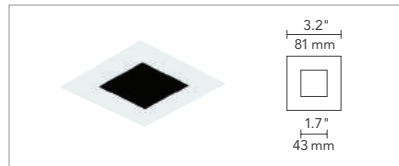


FLANGED FLAT

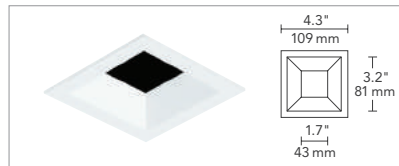
SQUARE



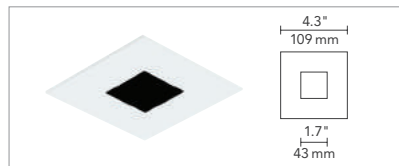
FLANGELESS BEVEL



FLANGELESS FLAT

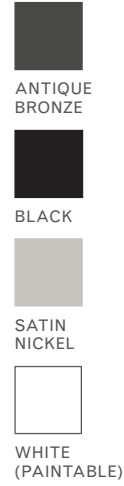


FLANGED BEVEL

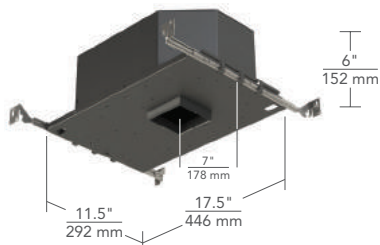


FLANGED FLAT

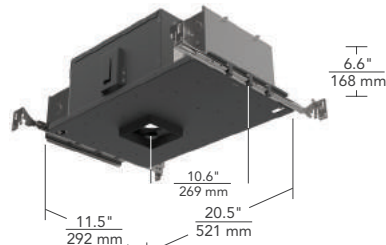
FINISH



3" HOUSING



IC / NON-IC / CHICAGO PLENUM



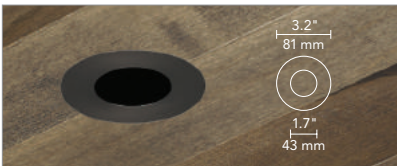
EMERGENCY BATTERY  
(IC / NON-IC / CHICAGO PLENUM)

WOOD CEILING FLANGELESS OPTIONS / FLANGELESS TRIMS

ROUND



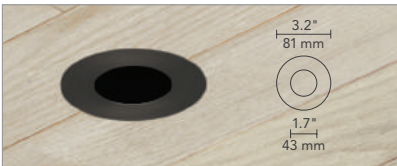
FLANGELESS BEVEL (ANTIQUÉ BRONZE)



FLANGELESS FLAT (ANTIQUÉ BRONZE)

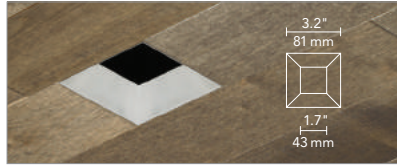


FLANGELESS BEVEL (SATIN NICKEL)



FLANGELESS FLAT (SATIN NICKEL)

SQUARE



FLANGELESS BEVEL (ANTIQUÉ BRONZE)



FLANGELESS FLAT (ANTIQUÉ BRONZE)

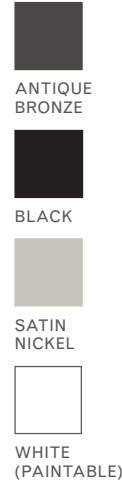


FLANGELESS BEVEL (SATIN NICKEL)

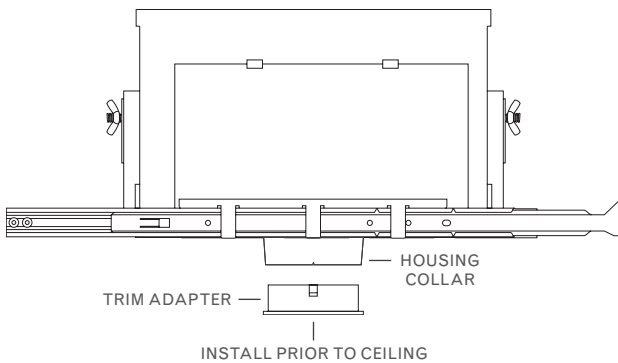


FLANGELESS FLAT (SATIN NICKEL)

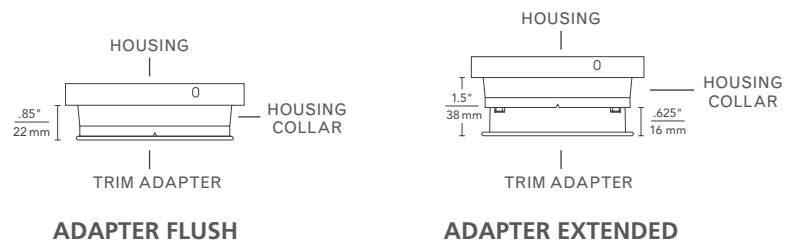
FINISH



ADJUSTABLE 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.**

## GRIDS

### HOUSING

PRODUCT SERIES	CEILING APPEARANCE	LAMP	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
<b>E3R</b> ELEMENT 3" ROUND	<b>LF</b> FLANGELESS	<b>-LH827</b> CITIZEN 80 CRI, 2700K, HIGH OUTPUT**	<b>0</b> 10° (CITIZEN)††	<b>A</b> ADJUSTABLE	<b>I</b> IC AIRTIGHT	STANDARD ELV/LUMENETIX (LEAVE BLANK)	120 VOLT (LEAVE BLANK)
<b>E3S</b> ELEMENT 3" SQUARE	<b>FF</b> FLANGED	<b>-LH830</b> CITIZEN 80 CRI, 3000K, HIGH OUTPUT**	<b>1</b> 15° (CITIZEN)		<b>N</b> NON-IC AIRTIGHT	0-10V DIMMING	<b>-277</b> 277 VOLT
	<b>WC</b> WOOD CEILING*	<b>-LH835</b> CITIZEN 80 CRI, 3500K, HIGH OUTPUT**	<b>2</b> 25° (CITIZEN)		<b>C</b> CHICAGO PLENUM	<b>-ELD00</b> ELDOLED 0% 0-10V LINEAR†	
		<b>-LH927</b> CITIZEN 80 CRI, 2700K, HIGH OUTPUT**	<b>4</b> 40° (CITIZEN)		<b>E</b> EMERGENCY BATTERY (NON-IC)	<b>-ELD0A</b> ELDOLED 0% 0-10V LOGARITHMICT	
		<b>-LH930</b> CITIZEN 90 CRI, 3000K, HIGH OUTPUT**	<b>21</b> 21° (XICATO / LUMENETIX)			<b>-ELD1</b> ELDOLED 1% 0-10V LINEAR†	
		<b>-LH935</b> CITIZEN 90 CRI, 3500K, HIGH OUTPUT**	<b>43</b> 43° (XICATO / LUMENETIX)			<b>-ELD1A</b> ELDOLED 0% 0-10V LOGARITHMICT	
		<b>-LHWD</b> CITIZEN 90 CRI WARM DIM 3000-1800K, HIGH OUTPUT**	<b>60</b> 60° (XICATO / LUMENETIX)			<b>-ELDD</b> ELDOLED 0% DALI†	
		<b>-LO827</b> CITIZEN 80 CRI, 2700K, LOW OUTPUT				<b>-HL2W</b> HI-LUME 1% 2 WIRE / PWM††	
		<b>-LO830</b> CITIZEN 80 CRI, 3000K, LOW OUTPUT				<b>-HLECO</b> HI-LUME 1% ECO-SYSTEM FADE-TO-BLACK†	
		<b>-LO835</b> CITIZEN 80 CRI, 3500K, LOW OUTPUT					
		<b>-LO927</b> CITIZEN 90 CRI, 2700K, LOW OUTPUT					
		<b>-LO930</b> CITIZEN 90 CRI, 3000K, LOW OUTPUT					
		<b>-LO935</b> CITIZEN 90 CRI, 3500K, LOW OUTPUT					
		<b>-LOWD</b> CITIZEN 90 CRI WARM DIM 3000-1800K, LOW OUTPUT					
		<b>-XI27</b> XICATO, 80+ CRI, 2700K					
		<b>-XI30</b> XICATO, 80+ CRI, 3000K					
		<b>-XI35</b> XICATO, 80+ CRI, 3500K					
		<b>-XA27</b> XICATO ARTIST, 95+ CRI, 2700K					
		<b>-XA30</b> XICATO ARTIST, 95+ CRI, 3000K					
		<b>-LXWD</b> LUMENETIX WARM COLOR DIMMING 3000K-1800K***					
		<b>-LXPD</b> LUMENETIX PROGRAMMABLE WHITE 4000K-1600K***					

A

TRIMS ARE REQUIRED AND MUST BE ORDERED SEPARATELY. \*WOOD CEILING OPTION ACCOMMODATES FLANGELESS TRIMS ONLY. \*\*HIGH OUTPUT HI-LUME 2-WIRE DRIVER OPTION NOT AVAILABLE IN IC HOUSING. \*\*\*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. †††L2W - TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120V ONLY.

### TRIM

PRODUCT SERIES	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	<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			

### REPLACEMENT OPTICS

PRODUCT SERIES	BEAM SPREAD
<b>351LEDHIOPT</b>	<b>15</b> 15°
	<b>25</b> 25°
	<b>40</b> 40°
<b>351LEDHIOPT</b>	

### REPLACEMENT REFLECTORS\*

PRODUCT SERIES	BEAM SPREAD
<b>351LEDXREF</b>	<b>21</b> 21°
	<b>43</b> 43°
	<b>60</b> 60°
<b>351LEDXREF</b>	

\*FOR USE WITH XICATO & LUMENETIX MODULES ONLY.

WOOD CEILING OPTION ACCOMMODATES FLANGELESS TRIMS 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



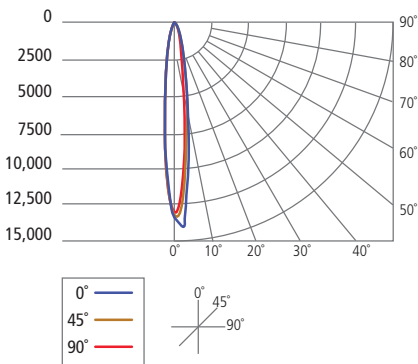
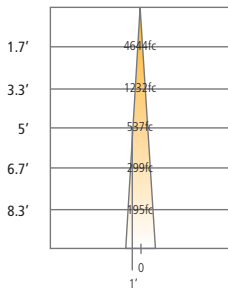
© 2017 Tech Lighting, L.L.C. All rights reserved. The "Tech Lighting" graphic is a registered trademark of Tech Lighting, L.L.C. Tech Lighting reserves the right to change specifications for product improvements without notification.

## PHOTOMETRICS: 3" LED

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

INPUT POWER (WATTS): 16.6  
INPUT POWER FACTOR: 0.98  
ABSOLUTE LUMINOUS FLUX (LUMENS): 1034  
LUMEN EFFICACY (LUMENS PER WATT): 62

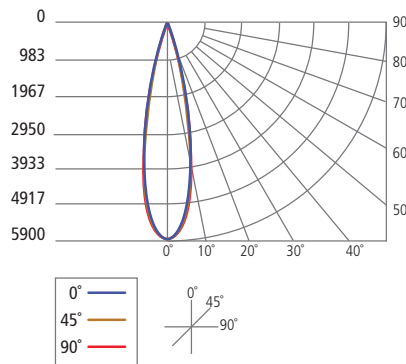
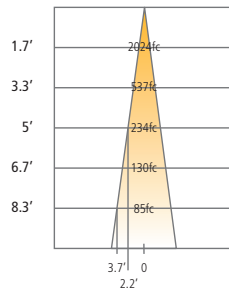
ANGLE	0°	45°	90°
0°	13421	13421	13421
5°	10376	9011	7624
10°	3786	3235	2863
15°	153	1246	1056
20°	421	347	271
25°	51	77	43
30°	18	40	16
35°	14	18	12
40°	9	10	9
45°	5	8	7
50°	4	6	4
55°	1	4	2
60°	1	2	2
65°	0	2	1
70°	0	1	1
75°	0	1	1
80°	0	1	1
85°	1	1	1
90°	0	0	0



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

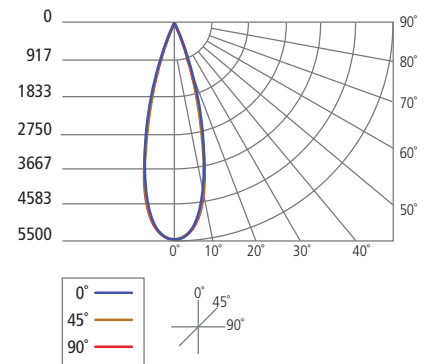
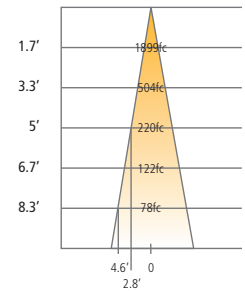
ANGLE	0°	45°	90°
0°	5848	5848	5848
5°	5500	5478	5491
10°	3919	3944	3905
15°	2103	2212	2149
20°	1058	1199	1075
25°	507	548	508
30°	250	237	250
35°	148	140	141
40°	93	98	94
45°	51	69	61
50°	33	46	37
55°	21	27	24
60°	4	15	10
65°	2	3	2
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



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.

# 3" LED

## ADJUSTABLE DOWNLIGHT

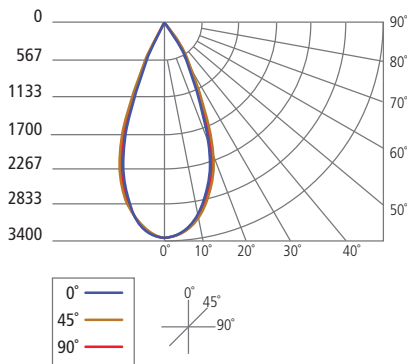
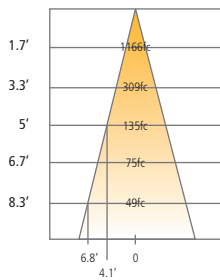
### PHOTOMETRICS: 3" LED

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.

GENERATION BRANDS



2017 Tech Lighting, L.L.C. All rights reserved. The "Element" graphic is a registered trademark of Element. Element reserves the right to change specifications for product improvements without notification.

**ELEMENT**  
by Tech Lighting®

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