

# 3" LED

## REMODEL FIXED DOWNLIGHT



Our ELEMENT 3" LED Remodel is well suited for any remodel application. The trim installation method accommodates any ceiling thickness, and the flangeless trims do not require any mudding. Also offered in flanged version. At a 5" depth from the bottom of the ceiling, it provides the perfect solution where other downlights simply won't fit. Flanged trims match our 3" platform so they can be used in conjunction with the entire family of 3" downlights throughout a space.

- Trims are die cast aluminum and match the rest of the ELEMENT 3" series
- Lensed and shower aperture includes Solite™ soft focus lens
- Includes integral junction box on 6" whip approved for branch circuit through wiring
- LED and optics are modular for ease of replacement

### Installation

- Use standard 3-7/8" hole saw or 3-7/8" cut-out (template included) for flanged or flangeless trims
- Set screws engage with expanding collar for robust mounting within the ceiling cut-out

### SPECIFICATIONS

	HIGH OUTPUT (AT 3000K)		LOW OUTPUT (AT 3000K)		WARM DIM	
					HIGH	LOW
DELIVERED LUMENS	1811	1476	1319	1124	1320	900
WATTS	18	18	12	12	18	12
EFFICACY	100	82	110	94	73	75
CRI	80+	90+	80+	90+	90+	90+
CBCP	10° - 13,420; 15° - 5848; 25° - 5416; 40° - 3369					
CCT OPTIONS	2700K, 3000K, 3500K, or Warm Color Dimming (3000K-1800K)***					
VOLTAGE	120V or 277V					
DIMMING*	TRIAC, ELV, 0-10V					
POWER SUPPLY	Constant current driver with +.9 power factor and +80% efficiency					
OPTICS	Field Changeable: 10°, 15°, 25°, 40° TIR					
CEILING APPEARANCE	Flanged					
CEILING APERTURE	3-7/8" ceiling cut-out					
HOUSING	Non-IC					
CONSTRUCTION	Housing: Die cast aluminum heat sink Trims: 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.					
LED LIFETIME	L70; 50,000 hours					
WARRANTY**	5 years					

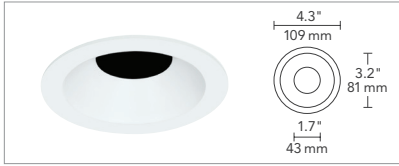


shown in flanged bevel round antique bronze

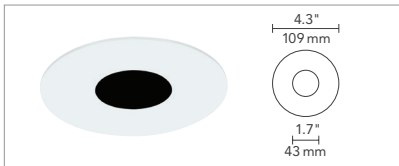
\*See ELEMENT-lighting.com for dimmer compatibility. Consult Quotes Dept for alternate or custom driver selections.  
 \*\*Visit ELEMENT-lighting.com for specific warranty limitations and details.  
 \*\*\*Warm color dimming not available with 10° optics.  
 Accepts two optical controls and an optional trim-mounted lens.

## TRIMS

### ROUND

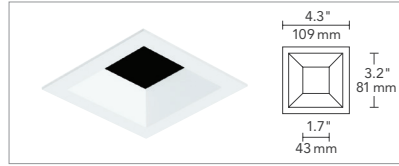


FLANGED BEVEL



FLANGED FLAT

### SQUARE



FLANGED BEVEL



FLANGED FLAT

### FINISH



ANTIQU  
BRONZE



BLACK

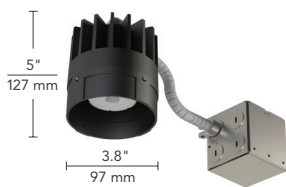


SATIN  
NICKEL

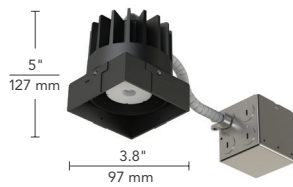


WHITE  
(PAINTABLE)

## 3" HOUSING



ROUND  
REMODEL HOUSING



SQUARE  
REMODEL HOUSING

## GRIDS

### HOUSING

PRODUCT SERIES	CEILING APPEARANCE	LAMP	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
<b>E3R</b> ELEMENT 3" ROUND	<b>RF</b> REMODEL FLANGED	<b>-LH</b> CITIZEN HIGH OUTPUT	<b>827</b> 80 CRI, 2700K	<b>0</b> 10°*	<b>D</b> DOWNLIGHT	<b>N</b> NON-IC AIRTIGHT	STANDARD ELV (LEAVE BLANK)	120 VOLT (LEAVE BLANK)
<b>E3S</b> ELEMENT 3" SQUARE		<b>-LO</b> CITIZEN LOW OUTPUT	<b>830</b> 80 CRI, 3000K	<b>1</b> 15°			<b>-010</b> 0-10V DIMMING	<b>277</b> 277 VOLT
			<b>835</b> 80 CRI, 3500K	<b>2</b> 25°				
			<b>927</b> 90 CRI, 2700K	<b>4</b> 40°				
			<b>930</b> 90 CRI, 3000K					
			<b>935</b> 90 CRI, 3500K					
			<b>WD</b> 90 CRI WARM DIM 3000-1800K					

TRIMS ARE REQUIRED AND MUST BE ORDERED SEPARATELY.

\*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.

### TRIM

PRODUCT SERIES	CEILING APPEARANCE	STYLE	APERTURE	FINISH
<b>E3R</b> ELEMENT 3" ROUND	<b>F</b> FLANGED	<b>B</b> BEVEL	<b>-O</b> NO LENS	<b>Z</b> ANTIQUE BRONZE
<b>E3S</b> ELEMENT 3" SQUARE		<b>F</b> FLAT	<b>-H</b> SHOWER	<b>B</b> BLACK
			<b>-L</b> LENSED	<b>S</b> SATIN NICKEL
				<b>W</b> WHITE

### REPLACEMENT OPTICS

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

## 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

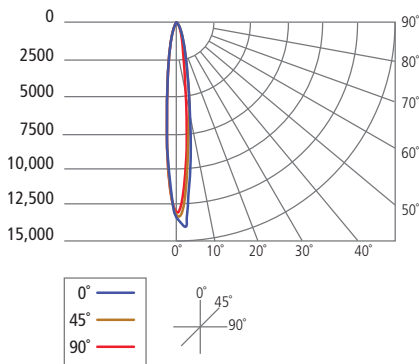
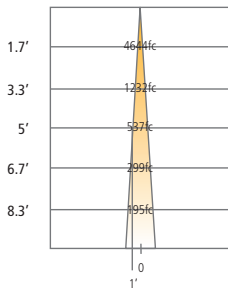
## REMODEL FIXED DOWNLIGHT

### PHOTOMETRICS: 3" LED

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

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

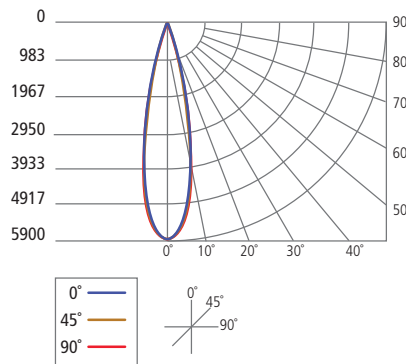
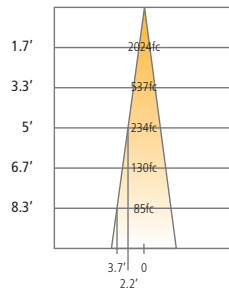
ANGLE	0°	45°	90°
0°	13421	13421	13421
5°	10376	9011	7624
10°	3786	3235	2863
15°	153	1246	1056
20°	421	347	271
25°	51	77	43
30°	18	40	16
35°	14	18	12
40°	9	10	9
45°	5	8	7
50°	4	6	4
55°	1	4	2
60°	1	2	2
65°	0	2	1
70°	0	1	1
75°	0	1	1
80°	0	1	1
85°	1	1	1
90°	0	0	0



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

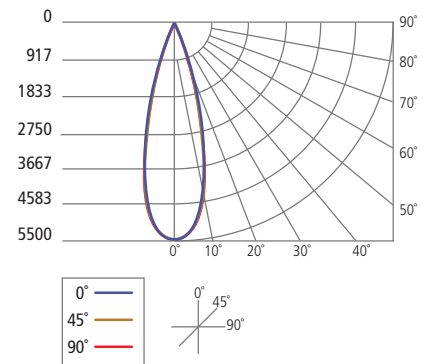
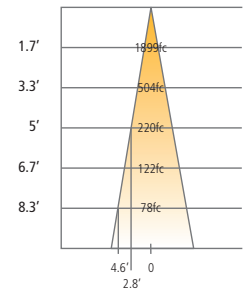
ANGLE	0°	45°	90°
0°	5848	5848	5848
5°	5500	5478	5491
10°	3919	3944	3905
15°	2103	2212	2149
20°	1058	1199	1075
25°	507	548	508
30°	250	237	250
35°	148	140	141
40°	93	98	94
45°	51	69	61
50°	33	46	37
55°	21	27	24
60°	4	15	10
65°	2	3	2
70°	2	2	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



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

## REMODEL FIXED DOWNLIGHT

### PHOTOMETRICS: 3" LED

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

MODEL: E3 Citizen LED

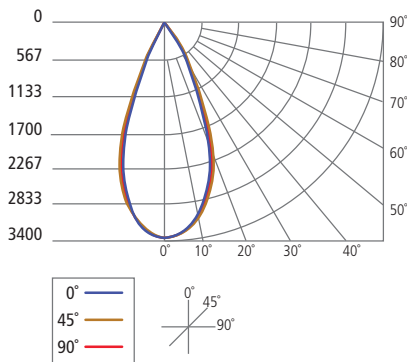
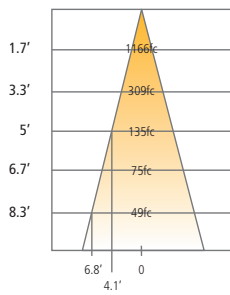
INPUT POWER (WATTS): 18.1

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.

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