3" LED
ULTRA SHALLOW FIXED DOWNLIGHT

ELEMENT
by Tech Lighting®

LED 5 YEAR WARRANTY

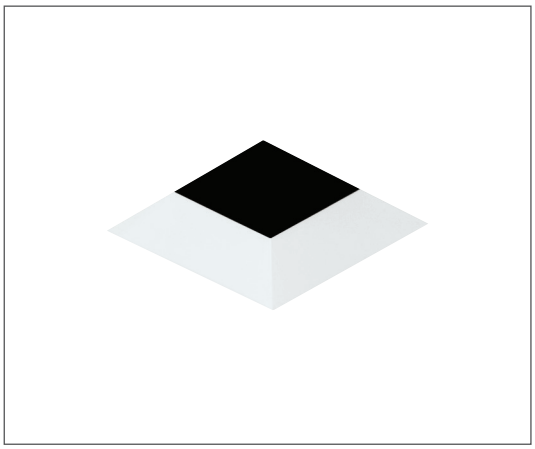
Small aperture LED downlight with architectural appearance housed in an ultra-shallow 2" above the ceiling housing. LED module and optics are modular for ease of replacement. Wood ceiling option allows for a smooth, flangeless appearance using any flangeless trim.

- 2" above the ceiling ultra shallow housing for tight plenum spaces
- Trims are die cast aluminum and match ELEMENT 3" series
- Lensed and shower aperture includes Solite™ soft focus lens
- LED module and optics are modular for ease of replacement
- Includes integral junction box approved for branch circuit through wiring

SPECIFICATIONS

	HIGH OUTPUT (AT 3000K)		LOW OUTPUT (AT 3000K)		WARM DIM HIGH	WARM DIM 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	18° - 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: 15°, 25°, 40° TIR					
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 for 90 CRI versions.					
LED LIFETIME	L70; 50,000 hours					
WARRANTY**	5 years					

*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.

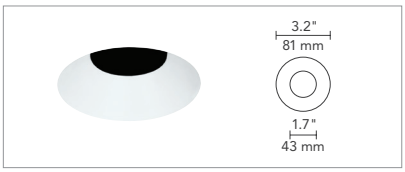


shown in flangeless bevel square

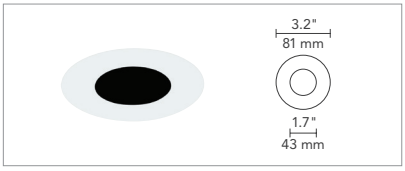
3" LED
ULTRA SHALLOW FIXED DOWNLIGHT

TRIMS

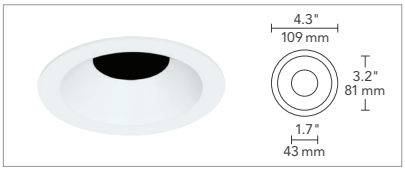
ROUND



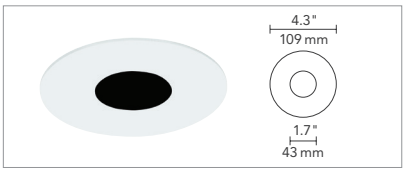
FLANGELESS BEVEL



FLANGELESS FLAT

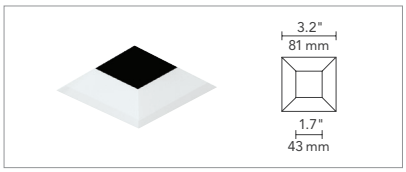


FLANGED BEVEL

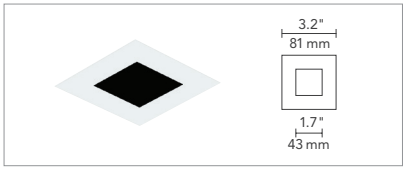


FLANGED FLAT

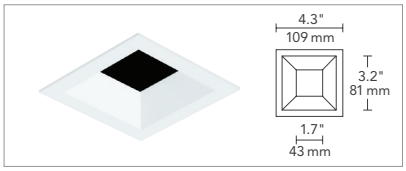
SQUARE



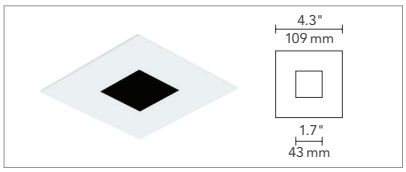
FLANGELESS BEVEL



FLANGELESS FLAT



FLANGED BEVEL



FLANGED FLAT

FINISH

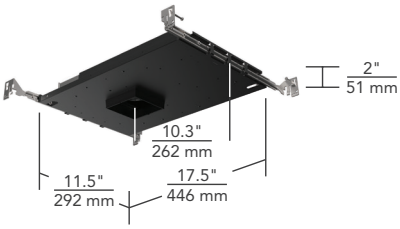
ANTIQUE BRONZE

BLACK

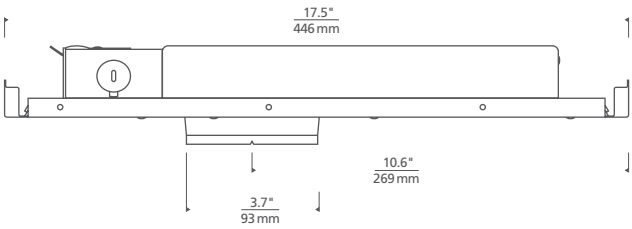
SATIN NICKEL

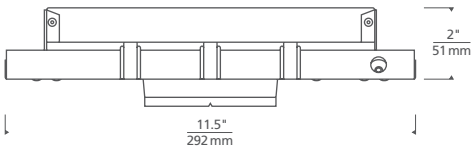
WHITE (PAINTABLE)

3" HOUSING



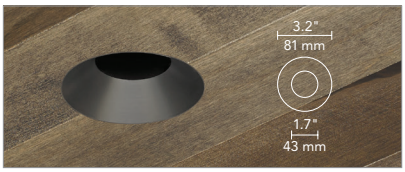
IC / NON-IC / CHICAGO PLENUM



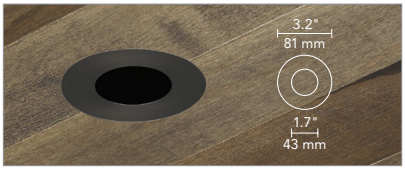


WOOD CEILING FLANGELESS OPTIONS / FLANGELESS TRIMS

ROUND

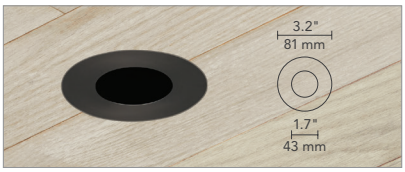


FLANGELESS BEVEL (ANTIQUE BRONZE)



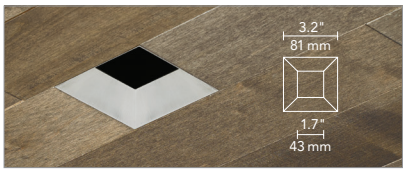
FLANGELESS FLAT (ANTIQUE BRONZE)

FLANGED BEVEL (ANTIQUE BRONZE)



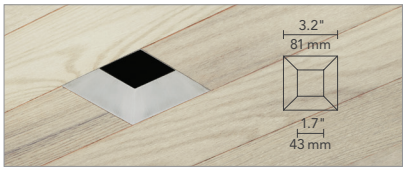
FLANGED FLAT (ANTIQUE BRONZE)

SQUARE

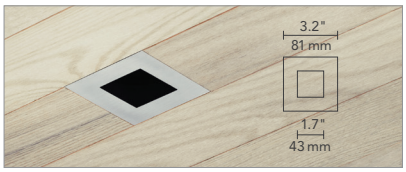


FLANGELESS BEVEL (SATIN NICKEL)

FLANGELESS FLAT (SATIN NICKEL)



FLANGED BEVEL (SATIN NICKEL)



FLANGED FLAT (SATIN NICKEL)

FINISH

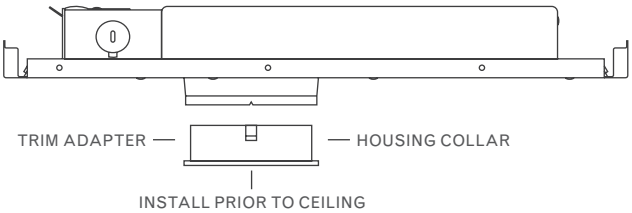
ANTIQUE BRONZE

BLACK

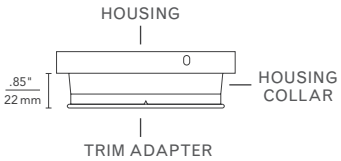
SATIN NICKEL

WHITE (PAINTABLE)

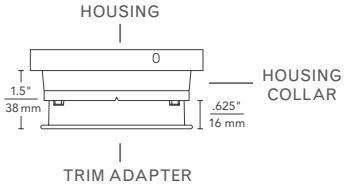
ADJUSTABLE TRIM ADAPTER



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.

3" LED
ULTRA SHALLOW FIXED DOWNLIGHT

GRIDS

HOUSING

PRODUCT SERIES	CEILING APPEARANCE	LAMP	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
E3R ELEMENT 3" ROUND	**LF** FLANGELESS	**-LH** CITIZEN HIGH OUTPUT	**827** 80CRI/2700K	**1** 18°	**D** DOWNLIGHT	**US** ULTRA SHALLOW IC/NON-IC AIRTIGHT	STANDARD ELV (LEAVE BLANK)	120 VOLT (LEAVE BLANK)
E3S ELEMENT 3" SQUARE	**FF** FLANGED	**-LO** CITIZEN LOW OUTPUT	**830** 80CRI/3000K	**2** 25°		**CUS** CHICAGO PLENUM ULTRA SHALLOW	**-010** 0-10V DIMMING	**-277** 277 VOLT
	WC WOOD CEILING*		**835** 80CRI/3500K	**4** 40°				
			927 90CRI/2700K					
			930 90CRI/3000K					
			935 90CRI/3500K					
			WD 90CRI WARM DIM/3000K-1800K					
		-			D			

TRIMS ARE REQUIRED AND MUST BE ORDERED SEPARATELY.
*WOOD CEILING OPTION ACCOMMODATES FLANGELESS TRIMS 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 ACCOMMMODATES FLANGELESS TRIMS ONLY.

REPLACEMENT OPTICS

	BEAM SPREAD
353E4LEDCOPT	**18** 18°
	25 25°
	40 40°
353E4LEDCOPT	

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.

3" LED
ULTRA SHALLOW FIXED DOWNLIGHT

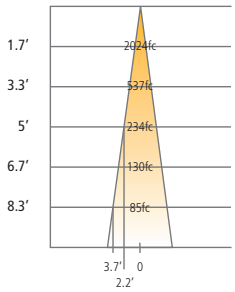
PHOTOMETRICS: 3" CITIZEN LED

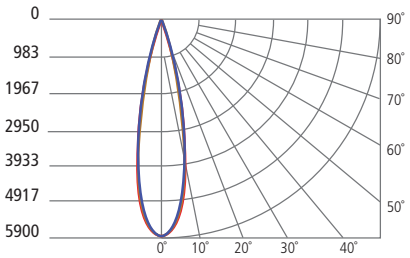
DESCRIPTION: 3" LED Module
18° Beam - 0° Tilt, 80 CRI, 3000K

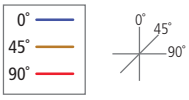
MODEL: E3 Citizen LED

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





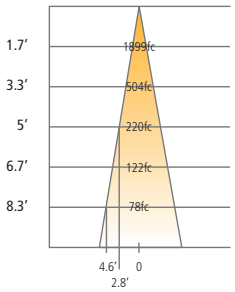


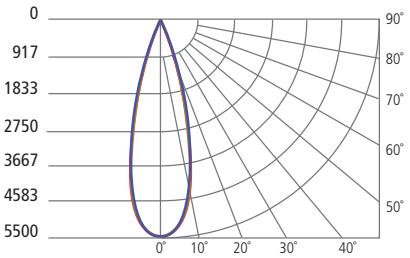
DESCRIPTION: 3" LED Module
25° Beam - 0° Tilt, 80 CRI, 3000K

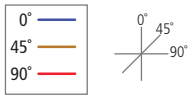
MODEL: E3 Citizen LED

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





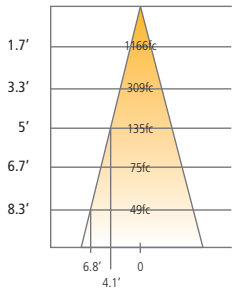


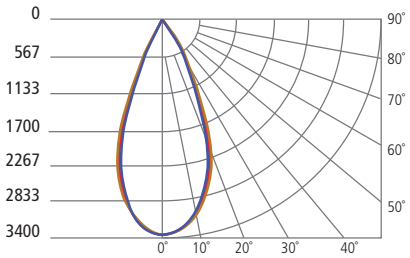
DESCRIPTION: 3" LED Module
40° Beam - 0° Tilt, 80 CRI, 3000K

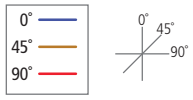
MODEL: E3 Citizen LED

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

ELEMENT
by Tech Lighting®

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.

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