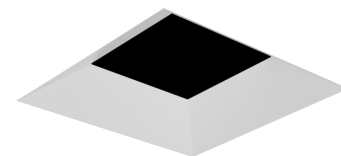


ELEMENT™ 2" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

The ELEMENT 2" Ultra-Shallow Fixed Downlight is the ultimate solution for an aesthetically minimal recessed fixture to fit into the smallest of plenums. With an overall height of only 2.25", the ELEMENT 2" Ultra-Shallow Fixed Downlight is rated IC Airtight and still delivers the same performance as the rest of the ELEMENT 2" platform.

- 2.25" overall housing height
- 1-step for static white 2700K, 3000K, and 3500K; and 2-step for all other configurations
- Lensed and shower aperture includes Solite Soft Focus lens
- Interchangeable optics: 20°, 30°, 40°, or 60°
- Flangeless in wood ceiling installation available



SHOWN IN FLANGELESS BEVEL SQUARE

LUMEN/CBCP MULTIPLIERS

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
2200K	—	0.51
2400K	—	0.71
2700K	0.95	0.80
3000K	1.00	0.85
3500K	1.05	0.90

Lumen output will vary by CCT and CRI.
See photometric charts for output information.

SPECIFICATIONS

	STATIC WHITE				WARM DIM	TUNABLE WHITE	
	HIGH OUTPUT		LOW OUTPUT		LOW OUTPUT	HIGH OUTPUT (5000K)	HIGH OUTPUT (4000K)
DELIVERED LUMENS	1500	1250	1163	930	850	919	830
WATTS	17	17	12	12	12	16	16
EFFICACY	88	73	97	77	71	57	52
CRI	80+	90+	80+	90+	90+	90+	
CBCP	20° - 5,136 30° - 4,644 40° - 3,050 60° - 1,764						
CCT	2200K, 2400K, 2700K, 3000K, or 3500K				3000K-1800K	5000K-2700K	4000K-1800K
COLOR CONSISTENCY	1-step (2-step for 2200K, 2400K)				2 -step		
VOLTAGE	120V or 277V						
DIMMING¹	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	20°, 30°, 40°, or 60°						
CEILING APPEARANCE	Flanged, flangeless, flangeless in wood ceiling						
CEILING THICKNESS	Flanged, flangeless, flangeless in wood ceiling 1/2" to 1-1/4"						
CEILING APERTURE	2-3/4" ceiling cutout						
HOUSING	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. Complies with CEC 2019 Title 24 Part 6 (JA8-2016, JA8-2019) (for 90 CRI versions).						
L70	50,000 hours min						
WARRANTY²	5 years						

Data in chart reflect 3000K/80 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.



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Visual Comfort & Co. reserves the right to change specifications for product improvements without notification.

UPDATED 9/4/25

ELEMENT™ 2" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

ORDERING GRIDS

HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER
E2R ELEMENT 2" ROUND	L FLANGELESS ¹ F FLANGED	-LH HIGH OUTPUT, 17W ³ -LO LOW OUTPUT, 12W ⁴	827 80 CRI, 2700K, 1-STEP 830 80 CRI, 3000K, 1-STEP 835 80 CRI, 3500K, 1-STEP 922 90 CRI, 2200K, 2-STEP 924 90 CRI, 2400K, 2-STEP 927 90 CRI, 2700K, 1-STEP 930 90 CRI, 3000K, 1-STEP 935 90 CRI, 3500K, 1-STEP 9WD 90 CRI, 3000K-1800K, WARM DIM, 2-STEP ⁵ 9TW52 90 CRI, 5000K-2700K, TUNABLE WHITE, 2-STEP ⁶ 9TW41 90 CRI, 4000K-1800K, TUNABLE WHITE, 2-STEP ⁶	20 20° 30 30° 40 40° 60 60°	DS DOWNLIGHT	I IC AIRTIGHT C CHICAGO PLENUM	INTEGRATED DRIVERS 120V/277V UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK) ⁷ REMOTE DRIVERS 120V/277V⁸ -ELDO ELDOLED 0.1% 0-10V LINEAR -ELDOA ELDOLED 0.1% 0-10V LOGARITHMIC -ELDD ELDOLED 0.1% DALI-2 -ELTD ELDOLED TUNABLE WHITE 0.1% 0-10V LINEAR ⁶ -ELTD ELDOLED TUNABLE WHITE 0.1% DALI-2 ⁶ -HLECO LUTRON HI-LUME 0.1% ECOSYSTEM
					DS		

Trims are required and must be ordered separately.
See dimmer compatibility chart.

¹L - Flangeless housings do not utilize collars.

²WC - Flangeless in wood ceiling accommodates flangeless trims only.

³LH - High output is available for Wet Rated. Not rated for sauna/steam-room.

⁴LO - Sauna/steam-room use available only with combination of H shower trim, LO low output housing, and I IC housing rating.

⁵9WD - Warm dim 90 CRI only. Only available LO low output.

⁶9TW52/9TW41 - Tunable white only available as LH high output, only available with ELTD (0-10V, Linear) or ELTD (DALI-2). For 0-10V logarithmic dimming consult Quotes Department.

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

⁸Remote drivers ship in 4.3" x 1.8" x 2.3" black enclosure for remote location mounting.

TRIM

PRODUCT	CEILING APPEARANCE	STYLE	APERTURE	FINISH
E2R ELEMENT 2" ROUND	L FLANGELESS ¹	B BEVEL	-O NO LENS	W WHITE (PAINTABLE)
E2S ELEMENT 2" SQUARE	F6 FLANGED TRIM EXTENDER, 0.500" - 0.625" CEILING THICKNESS ² F7 FLANGED TRIM EXTENDER, 0.625" - 0.750" CEILING THICKNESS ² F8 FLANGED TRIM EXTENDER, 0.750" - 0.875" CEILING THICKNESS ² F1 FLANGED TRIM EXTENDER, 0.875" - 1.000" CEILING THICKNESS ²	F FLAT	-H SHOWER ^{3,4} -L LENSED ⁴	B BLACK Z ANTIQUE BRONZE S SATIN NICKEL

¹L - For use with L flangeless or WC flangeless in wood ceiling housing.

²F6/F7/F8/F1 - Flanged trims with extenders for use with ceiling thickness greater than 0.500".

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/LOUVERS¹

PRODUCT	TYPE
MOC	GG PLAIN GLASS SF SOFT FOCUS LL LINEAR SPREAD EC EGGRATE LOUVER LS1 1" LONG SNOOT LS12 1/2" LONG SNOOT

MOC

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

REPLACEMENT OPTICS

PRODUCT	BEAM SPREAD
353LEDGATOPT	20 20° 30 30° 40 40° 60 60°

353LEDGATOPT

PLASTER PLATES

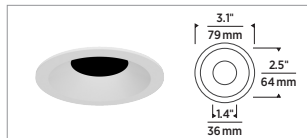
PRODUCT
150E2RCL 2" PLASTER PLATE ROUND SHEET METAL 150E2SCL-A 2" PLASTER PLATE SQUARE SHEET METAL

Plaster plates are used to convert flanged housings into flangeless housings.
Ships standard with flangeless housings.

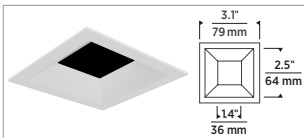
ELEMENT™ 2" LED
 ULTRA-SHALLOW FIXED DOWNLIGHT

TRIMS

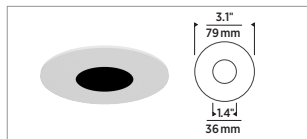
FLANGED



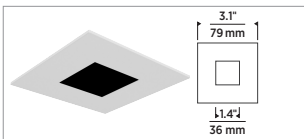
ROUND BEVEL



SQUARE BEVEL

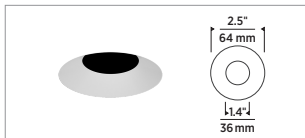


ROUND FLAT

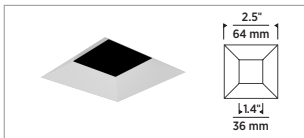


SQUARE FLAT

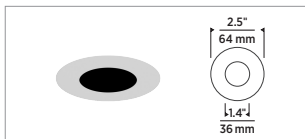
FLANGELESS



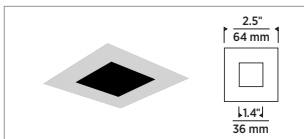
ROUND BEVEL



SQUARE BEVEL



ROUND FLAT



SQUARE FLAT

FINISH



ANTIQUE
 BRONZE



BLACK



SATIN
 NICKEL



WHITE
 (PAINTABLE)

FLANGELESS IN WOOD CEILING



SHOWN IN ANTIQUE BRONZE



See installation instruction sheet on visualcomfort.com.

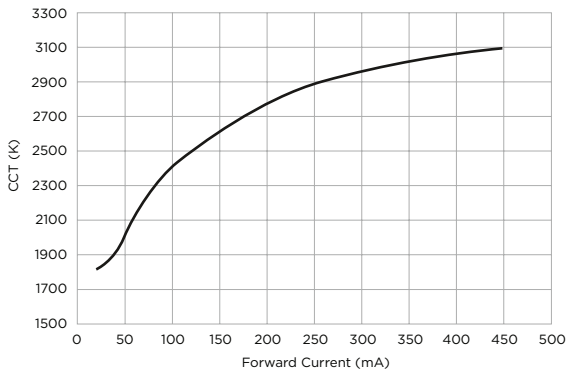
LENS OPTION



SHOWN WITH AND WITHOUT A LENS

WARM DIM CURVE

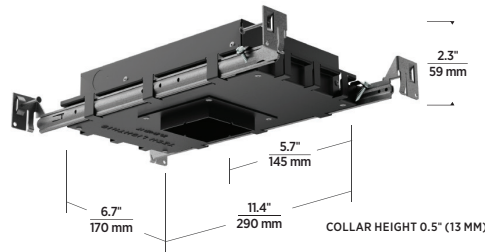
CCT vs. Forward Current, T_c=25°C



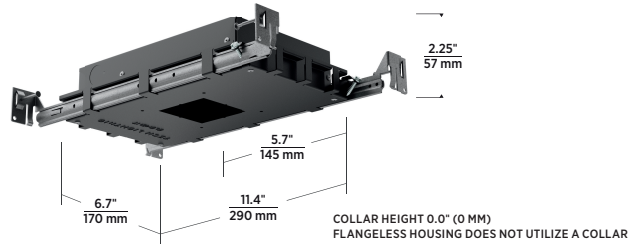
ELEMENT™ 2" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

HOUSING

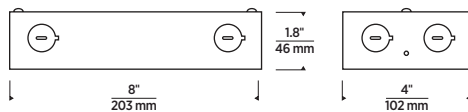


IC AIRTIGHT / CHICAGO PLENUM
FLANGED

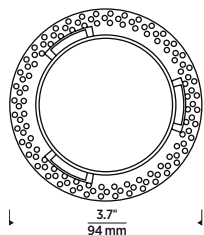


IC AIRTIGHT / CHICAGO PLENUM
FLANGELESS / FLANGELESS IN WOOD CEILING

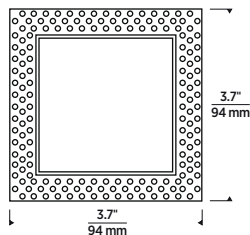
REMOTE DRIVER J-BOX



MUD/PLASTER PLATES



ROUND SHEET METAL
MUD/PLASTER PLATE IS
INCLUDED FOR FLANGELESS
INSTALLATION

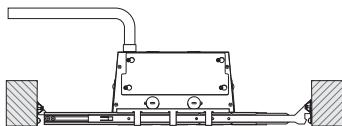


SQUARE SHEET METAL
MUD/PLASTER PLATE IS
INCLUDED FOR FLANGELESS
INSTALLATION

FLANGELESS IN WOOD CEILING INSTALLATION

IMPORTANT:
READ INSTALLATION INSTRUCTIONS
THOROUGHLY PRIOR TO INSTALL

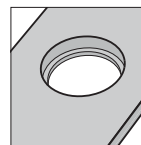
Assemble housing to joists.



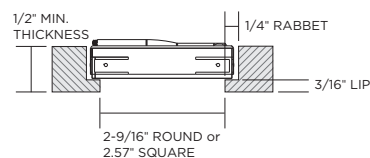
PREPARE WOOD CEILING

Use a 2-9/16" hole saw (round) or mill a 2.57" square opening in the wood. The wood must be at least 1/2" thick for the trims to hold firmly in place.

Use a 1/4" rabbet router bit to create a larger opening on the top side of the wood. The rabbet must cut to a depth that leaves 3/16" of wood above the ceiling level.

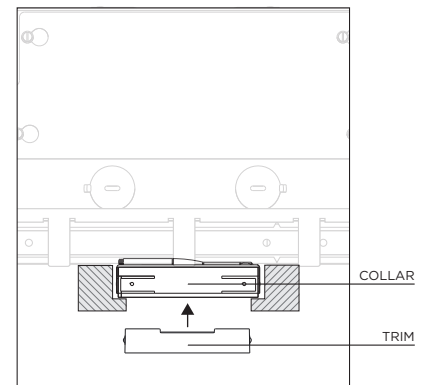


ROUTER CUT DETAIL



INSERT TRIM INTO THE COLLAR

Align the trim with the inner edge of the collar. Push the trim into the collar so that it snaps into place.



ELEMENT™ 2" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. 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 2" trims and housings.

- Can be easily installed or removed
- Assembles to existing trim
- Compatible with fixed and adjustable Housings

COMPATIBLE TRIMS		NON-SLOTTED FOR FIXED	
	2" round, flanged, bevel		E2TREFNS3B
	2" round, flanged, flat		E2TREFNS2B
	2" round, flangeless, bevel		E2TREFNS3B
	2" round, flangeless, flat		E2TREFNS2B
	2" square, flangeless, bevel		E2TREFNS1B
	2" square, flanged, bevel		E2TREFNS1B ²

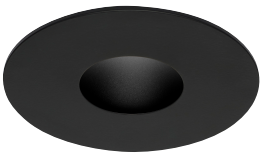
Only compatible with ELEMENT 2" LED series.
May require lamp to be placed in high position.
Not available for ELEMENT 2" square flat trims.
Not compatible with lensed trims.
²Not compatible with flanged trim extenders F6, F7, F8, F1.

ORDERING GRID

E2 TRIM MOUNTED REFLECTORS¹

PRODUCT	STYLE	FINISH
E2TREF	NS1 NON-SLOTTED	B ANODIZED BLACK
	NS2 NON-SLOTTED	
	NS3 NON-SLOTTED	
E2TREF		B

¹Not compatible with lensed trims. Reflectors are placed on top of the inside of the trim or affixed via screws (only if provided).



BELOW CEILING VIEW



SHOWN MOUNTED TO TRIM



REFLECTOR ONLY

ELEMENT™ 2" LED
 ULTRA-SHALLOW FIXED DOWNLIGHT

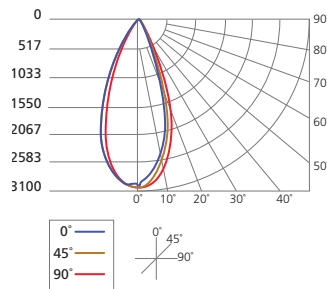
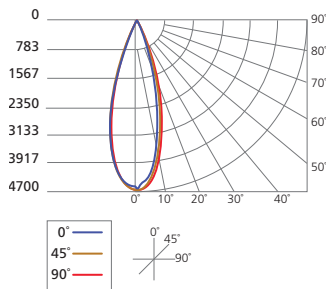
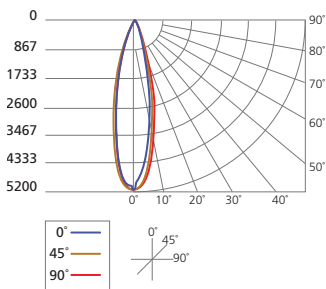
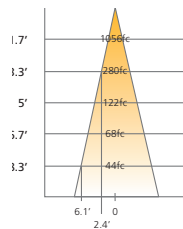
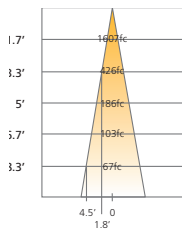
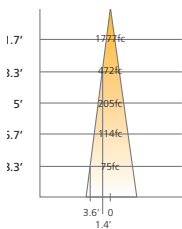
PHOTOMETRICS

Description:	2" LED Module 20° Beam, 0° Tilt 80 CRI, 3000K	Description:	2" LED Module 30° Beam, 0° Tilt 80 CRI, 3000K	Description:	2" LED Module 40° Beam, 0° Tilt 80 CRI, 3000K
Model:	E2 Ultra-Shallow Fixed High Output	Model:	E2 Ultra-Shallow Fixed High Output	Model:	E2 Ultra-Shallow Fixed High Output
Input Power (Watts):	18.7	Input Power (Watts):	18.7	Input Power (Watts):	18.7
Input Power Factor:	0.98	Input Power Factor:	0.98	Input Power Factor:	0.98
Absolute Luminous Flux (Lumens):	1206	Absolute Luminous Flux (Lumens):	1414	Absolute Luminous Flux (Lumens):	1565
Lumen Efficacy (Lumens per Watt):	64.5	Lumen Efficacy (Lumens per Watt):	75.5	Lumen Efficacy (Lumens per Watt):	83.7
Output difference between CCTs - 5%, CRIs - 15%.					

ANGLE	0°	45°	90°
0°	5136	5136	5136
5°	4054	4347	4616
10°	2654	2956	3278
15°	1383	1756	1896
20°	627	878	924
25°	249	326	393
30°	81	128	151
35°	24	65	50
40°	6	30	12
45°	3	6	4
50°	1	2	2
55°	1	1	1
60°	0	1	0
65°	0	1	0
70°	0	1	0
75°	0	1	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	4644	4644	4644
5°	4184	4322	4434
10°	3249	3454	3698
15°	1948	2286	2488
20°	933	1178	1304
25°	342	428	544
30°	87	161	176
35°	27	68	52
40°	7	27	12
45°	2	5	4
50°	1	2	1
55°	0	1	0
60°	0	1	0
65°	0	1	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°	3050	3050	3050
5°	2774	2892	2971
10°	2436	2549	2701
15°	1847	2085	2260
20°	1188	1460	1594
25°	571	776	959
30°	216	353	411
35°	84	142	154
40°	30	53	55
45°	11	18	20
50°	1	7	4
55°	0	2	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



ELEMENT™ 2" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

PHOTOMETRICS

Description:2" LED Module
60° Beam, 0° Tilt
80 CRI, 3000K

Model:E2 Ultra-Shallow Fixed
High Output

Input Power (Watts): 18.7

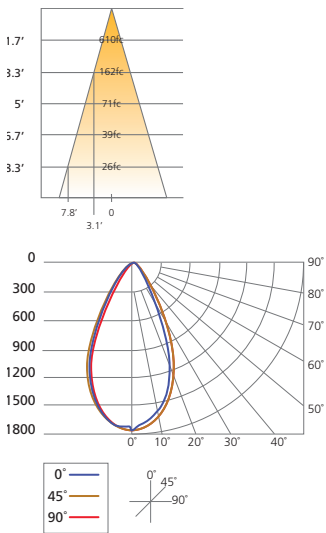
Input Power Factor: 0.98

Absolute Luminous
Flux (Lumens): 1382

Lumen Efficacy
(Lumens per Watt): 73.7

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

ANGLE	0°	45°	90°
0°	1764	1764	1764
5°	1667	1724	1721
10°	1562	1612	1629
15°	1380	1445	1483
20°	1109	1233	1235
25°	718	921	923
30°	442	638	542
35°	310	377	350
40°	208	239	238
45°	83	142	139
50°	1	70	26
55°	1	6	1
60°	0	1	0
65°	0	0	0
70°	0	1	0
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



ELEMENT™ 2" LED

ULTRA-SHALLOW FIXED DOWNLIGHT

PROJECT INFORMATION

JOB NAME AND INFORMATION

FIXTURE TYPE AND QUANTITY

NOTES