ELEMENT™ 2" LED
ADJUSTABLE DOWNLIGHT & WALL WASH

The ELEMENT 2" Adjustable Downlight is your solution for an aesthetically minimal recessed fixture featuring a quiet ceiling and high lumen output. The Adjustable Downlight delivers on performance and adjustability including lockable and tool-free hot aiming. ELEMENT's patented high/low lamp positioning allows the LED to be positioned closer or further from the 1.4" aperture for maximum light output or to minimize glare. Complementing ELEMENT 3" and 4" fixtures, the 2" Adjustable Downlight and Wall Wash platforms offer wood ceiling installation and a convenient Remodel option with the same performance and trim options.

- 1-step static white, 2-step warm dim and tunable white
- Lensed and shower aperture includes Solite soft focus lens
- Lockable tool-free aiming, 0-45° tilt, 361° rotation, and high/low lamp positioning (patent protected)
- Interchangeable optics: 20°, 30°, 40°, 60°, or wall wash trim options
- Wood ceiling and remodel installation available

SHOWN IN FLANGELESS BEVEL SQUARE

LUMEN MULTIPLIER (CRI/CCT)

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
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	2700K, 3000K, or 3500K				3000K - 1800K	5000K - 2700K	4000K - 1800K
COLOR CONSISTENCY	1-step				2-step	2-step	
VOLTAGE	120V or 277V						
DIMMING[1]	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°, 60°, or wall wash						
ADJUSTABILITY	0-45° tilt, high/low positioning. Round housing has 361° rotation. Square housing has 90° rotation increments. 45° alignment for square collar.						
CEILING APPEARANCE	Flanged, flangeless, flangeless in wood ceiling						
CEILING MOUNT CEILING THICKNESS	Flanged, flangeless: 3/8" to 2" | Flangeless in wood ceiling: 1/2" to 2" Note: Tilt restricted in thicker ceilings. Not for use with T-grid (acoustic tile)						
HOUSING MOUNT CEILING THICKNESS	T-grid/flanged: Up to 1"						
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						
WARRANTY[2]	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.
[1]See visualcomfort.com for dimmer compatibility.
[2]Visit visualcomfort.com for specific warranty limitations and details.

UPDATED 11/14/23

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ORDERING GRIDS

HOUSING

PRODUCT	CEILING APPEARANCE	LAMP	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER
E2R ELEMENT 2" ROUND	L FLANGELESS (CEILING MOUNT)[1]	-LH HIGH OUTPUT, 17W[4]	827 80 CRI, 2700K, 1-STEP	20 20°	A ADJUSTABLE[8]	I IC AIRTIGHT	**INTEGRATED DRIVERS 120V/277V**
E2S ELEMENT 2" SQUARE	F FLANGED (CEILING MOUNT)[1]	-LO LOW OUTPUT, 12W[5]	830 80 CRI, 3000K, 1-STEP	30 30°		C CHICAGO PLENUM	UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK)[9]
	WC WOOD CEILING (CEILING MOUNT)[1,2]		835 80 CRI, 3500K, 1-STEP	40 40°			
			927 90 CRI, 2700K, 1-STEP	60 60°			**REMOTE DRIVERS 120V/277V**[10]
	T T-GRID/FLANGED (HOUSING MOUNT)[3]		930 90 CRI, 3000K, 1-STEP				-ELD0 ELDOLED 0.1% 0-10V LINEAR
			935 90 CRI, 3500K, 1-STEP				-ELD0A ELDOLED 0.1% 0-10V LOGARITHMIC
			9WD 90 CRI, 3000K-1800K, WARM DIM, 2-STEP[6]				-ELDD ELDOLED 0.1% DALI-2
			9TW52 90 CRI, 5000K-2700K, TUNABLE WHITE, 2-STEP[7]				-ELT0 ELDOLED TUNABLE WHITE 0.1% 0-10V LINEAR[7]
							-ELTD ELDOLED TUNABLE WHITE 0.1% DALI-2[7]
			9TW41 90 CRI, 4000K-1800K, TUNABLE WHITE, 2-STEP[7]				-HLECO LUTRON HI-LUME 0.1% ECOSYSTEM

		-		A			

Trims are required and must be ordered separately.

For dimming details, refer to dimmer compatibility chart.

[1]L, F, WC - For max 2" ceiling thickness, mechanism and collar are field assembled to the ceiling, per instructions.

[2]WC - Wood ceiling accommodates flangeless trims only.

[3]T - For max 1" ceiling thickness, mechanism and collar are factory assembled to the housing; trim extender collar is required for ceiling thicknesses greater than 0.500".

[4]LH - High output available for Wet Rated. Not rated for sauna/steam-room.

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

[6]9WD - Only available low output.

[7]9TW52/9TW41 - Tunable white only available in high output, only available with ELT0 (0-10V, linear), or ELTD (DALI-2). For 0-10V logarithmic dimming consult Quotes Department.

[8]A - Adjust to 15° tilt for wall wash application, 30° beam spread optimal.

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

[10]Remote driver ships with 4" x 8" x 1.8" 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	Z ANTIQUE BRONZE
E2S ELEMENT 2" SQUARE	F FLANGED[2]	F FLAT	-H SHOWER[5,6]	B BLACK
	F6 FLANGED TRIM EXTENDER, 0.500" - 0.625" CEILING THICKNESS[3]	W WALL WASH[4]	-L LENSED[6]	S SATIN NICKEL
	F7 FLANGED TRIM EXTENDER, 0.625" - 0.750" CEILING THICKNESS[3]		-W WALL WASH (LENSED)[4]	W WHITE (PAINTABLE)
	F8 FLANGED TRIM EXTENDER, 0.750" - 0.875" CEILING THICKNESS[3]			
	F1 FLANGED TRIM EXTENDER, 0.875" - 1.000" CEILING THICKNESS[3]			

			-	

[1]L - For use with L flangeless or WC wood ceiling housing option.

[2]F - If used with T-grid/flanged (T) style housing, flanged trims work for 0.500" ceiling thickness without trim extenders.

[3]F6/F7/F8/F1 - For use with T-grid/flanged (T) style housing and ceiling thickness greater than 0.500".

[4]W - Wall wash style trim (W) requires wall wash lensed aperture (W).

[5]H - 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.

[6]H, L - Lensed products come with Solite Soft Focus lens.

LENSES/LOUVERS[1]

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

MOC	

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

REPLACEMENT OPTICS

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

353LEDGATOPT	

APERTURE SHIELD FOR CEILING THICKER THAN 1"

PRODUCT	CEILING APPEARANCE	FINISH
E2R ELEMENT 2" ROUND	AC APERTURE COLLAR FOR UP TO 2" THICK CEILINGS	B BLACK
E2S ELEMENT 2" SQUARE		

	AC	B

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.

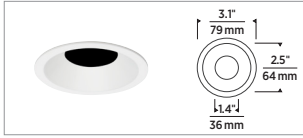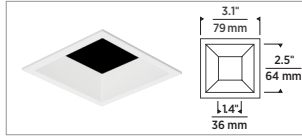Ships standard with flangeless housings.

ELEMENT™ 2" LED
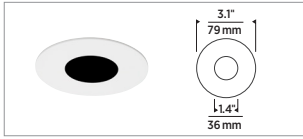## ADJUSTABLE DOWNLIGHT & WALL WASH
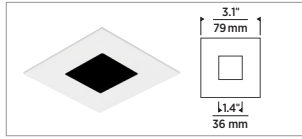
TRIMS

FLANGED
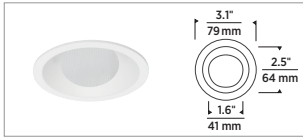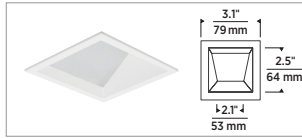

ROUND BEVEL

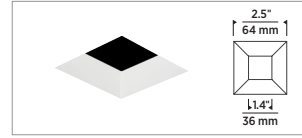

SQUARE BEVEL

ROUND FLAT

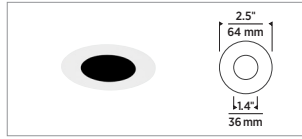

SQUARE FLAT

ROUND WALL WASH
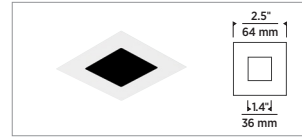

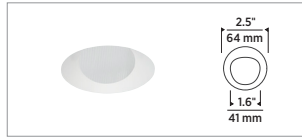SQUARE WALL WASH

FLANGELESS

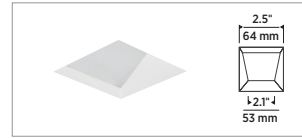ROUND BEVEL

SQUARE BEVEL

ROUND FLAT

SQUARE FLAT

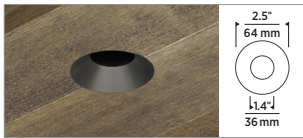ROUND WALL WASH

SQUARE WALL WASH

FINISH

ANTIQUE BRONZE

BLACK

SATIN NICKEL

WHITE (PAINTABLE)

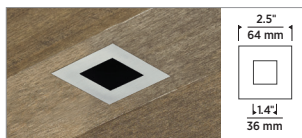**FLANGELESS IN WOOD CEILING**

ROUND BEVEL (ANTIQUE BRONZE)
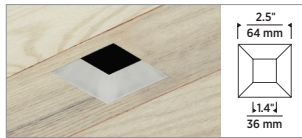
SQUARE BEVEL (SATIN NICKEL)

ROUND FLAT (ANTIQUE BRONZE)

SQUARE FLAT (SATIN NICKEL)

ROUND FLAT (ANTIQUE BRONZE)

SQUARE FLAT (SATIN NICKEL)

LENS OPTION
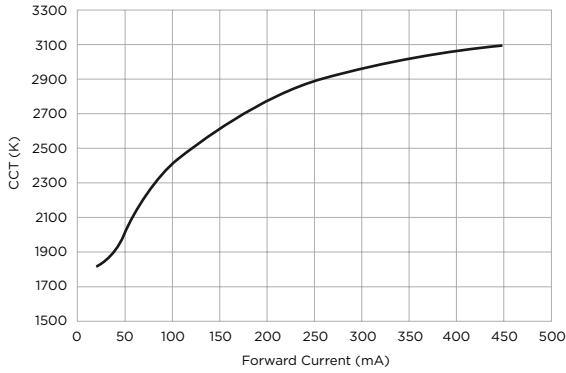

SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)

SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)
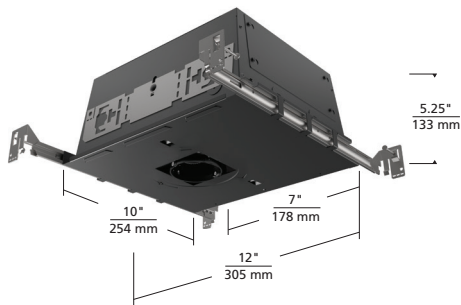
ELEMENT™ 2" LED
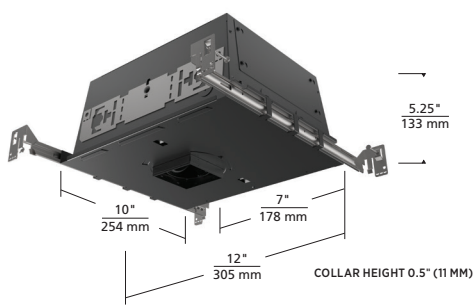## ADJUSTABLE DOWNLIGHT & WALL WASH

WARM DIM CURVE

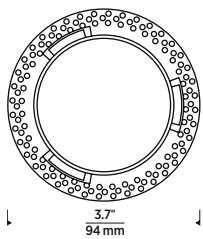CCT vs. Forward Current, T_c=25°C

HOUSING

5.25"
133 mm

10"
254 mm

7"
178 mm

12"
305 mm

IC AIRTIGHT/ CHICAGO PLENUM
FLANGED / WOOD CEILING / FLANGELESS CEILING MOUNT

5.25"
133 mm

10"
254 mm

7"
178 mm

12"
305 mm

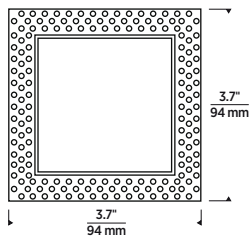COLLAR HEIGHT 0.5" (11 MM)

IC AIRTIGHT / CHICAGO PLENUM
T-GRID / FLANGED HOUSING MOUNT

MUD/PLASTER PLATES

3.7"
94 mm

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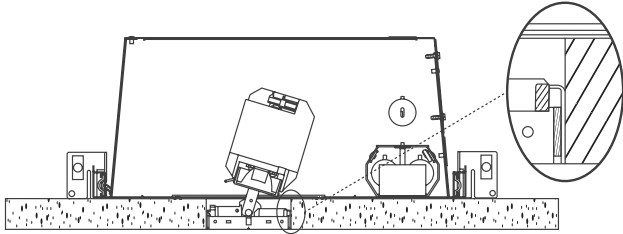INSTALLATION

3.7"
94 mm

3.7"
94 mm

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

ELEMENT™ 2" LED
ADJUSTABLE DOWNLIGHT & WALL WASH

FLANGED/FLANGELESS/WOOD CEILING - CEILING MOUNTED COLLAR

Ceiling Mounted Collar

- Flanged, flangeless or flangeless in wood ceiling (see instructions)
- Compatible with drywall, wood

- Not compatible with T-Grid (Acoustic Tile)
- Optimizes lamp position regardless of ceiling thickness
- Allows install in up to 2" ceiling thickness
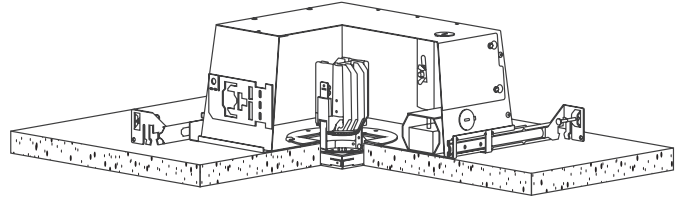
T-GRID/FLANGED - HOUSING MOUNTED COLLAR
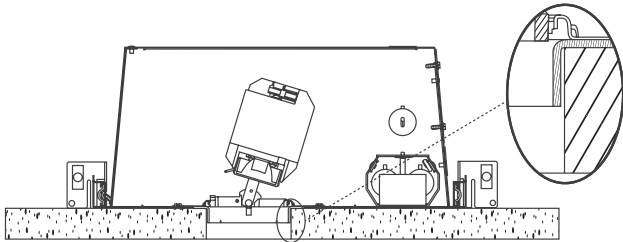
Housing Mounted Collar

- Flanged only
- Compatible with T-Grid (Acoustic Tile), drywall, wood
- For 1" ceiling thickness max

When ordering the T-Grid/Flanged with Housing Mounted Collar, please order trim extender for ceiling thicknesses greater than 0.5" and for use up to 1" thickness (max). **Please consult instruction sheet.**
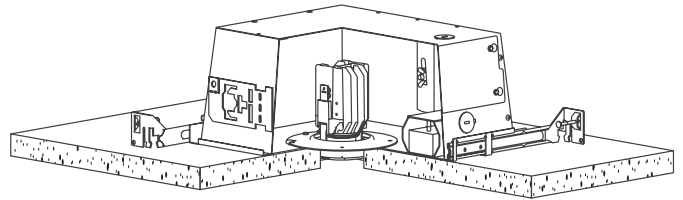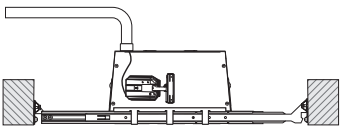
FLANGELESS IN WOOD CEILING INSTALLATION

IMPORTANT:
READ INSTALLATION INSTRUCTIONS THOROUGHLY PRIOR TO INSTALL
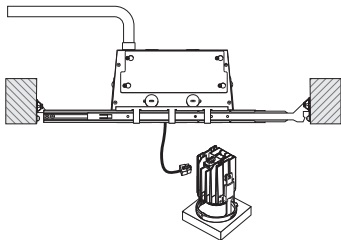
PLACE LIGHT MODULE INTO HOUSING BEFORE CEILING ASSEMBLY

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

1/2" MIN. THICKNESS

1/4" RABBET

3/16" LIP

2-9/16" ROUND or 2.57" SQUARE
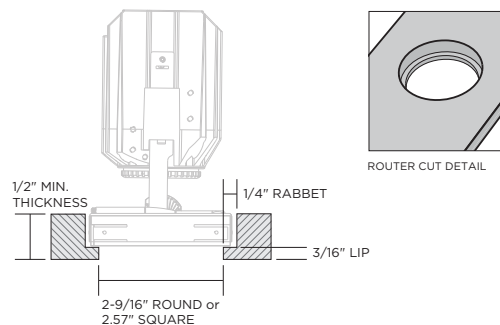
INSERT TRIM INTO THE COLLAR

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

LIGHT MODULE

COLLAR
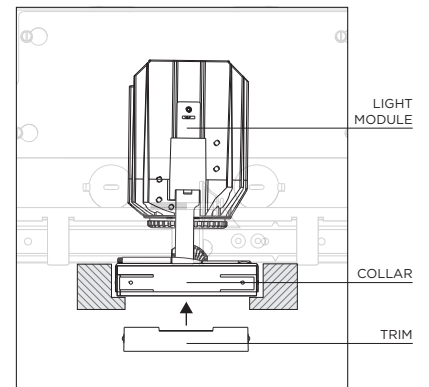
TRIM

ELEMENT™ 2" LED
ADJUSTABLE DOWNLIGHT & WALL WASH

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
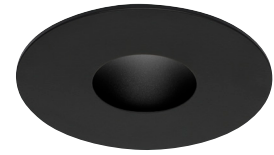- Assembles to existing ELEMENT 2" trim
- Compatible with fixed and adjustable housings

BELOW CEILING VIEW

COMPATIBLE TRIMS		NON-SLOTTED (FOR FIXED[1])	SLOTTED (FOR ADJUSTABLE)
	2" round, flanged, bevel	E2TREFNS3B	E2TREFS4B
	2" round, flanged, flat	E2TREFNS2B	E2TREFS3B
	2" round, flangeless, bevel	E2TREFNS3B	E2TREFS4B
	2" round, flangeless, flat	E2TREFNS2B	E2TREFS3B
	2" square, flangeless, bevel	E2TREFNS1B	E2TREFS2B
	2" square, flanged, bevel	E2TREFNS1B[2]	E2TREFS2B[2]

SHOWN MOUNTED TO TRIM

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.
[1]Non-slotted reflectors may be used in adjustable housings with the lamp assembly placed in the 0° tilt position.
[2]Not compatible with flanged trim extenders F6, F7, F8, F1.

REFLECTOR ONLY

ORDERING GRIDS

E2 TRIM MOUNTED REFLECTORS[1]

PRODUCT	STYLE		FINISH
E2TREF	**NS1**	NON-SLOTTED	**B** ANODIZED BLACK
	NS2	NON-SLOTTED	
	NS3	NON-SLOTTED	
	S2	SLOTTED	
	S3	SLOTTED	
	S4	SLOTTED	
E2TREF			**B**

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

ELEMENT™ 2" LED
ADJUSTABLE DOWNLIGHT & WALL WASH

PHOTOMETRICS

Description:	2" LED Module 20° Beam - 0° Tilt, 3000K	
Model:	E2 Adjustable 20° High Output	
Input Power (Watts):	18.7	
Input Power Factor:	0.98	
Absolute Luminous Flux (Lumens):	1206	
Lumen Efficacy (Lumens per Watt):	64.5	

Description:	2" LED Module 30° Beam - 0° Tilt, 3000K	
Model:	E2 Adjustable 30° High Output	
Input Power (Watts):	18.7	
Input Power Factor:	0.98	
Absolute Luminous Flux (Lumens):	1414	
Lumen Efficacy (Lumens per Watt):	75.5	

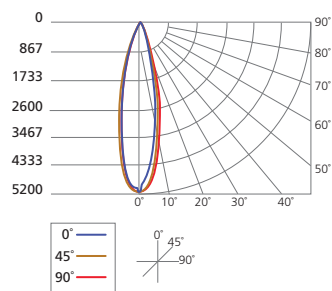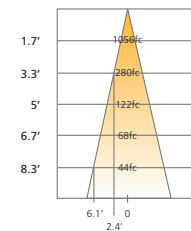|		
Description:	2" LED Module 40° Beam - 0° Tilt, 3000K	
Model:	E2 Adjustable 40° High Output	
Input Power (Watts):	18.7	
Input Power Factor:	0.98	
Absolute Luminous Flux (Lumens):	1565	
Lumen Efficacy (Lumens per Watt):	83.7	

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
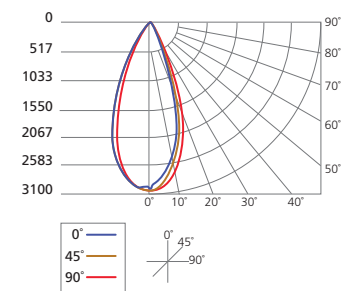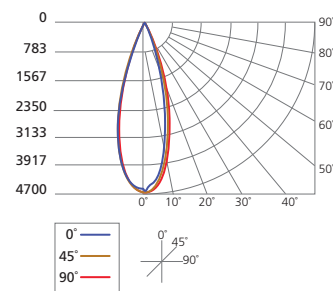
ELEMENT™ 2" LED
ADJUSTABLE DOWNLIGHT & WALL WASH

PHOTOMETRICS

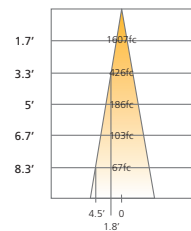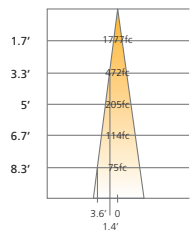|	
Description:	2" LED Module
	60° Beam - 0° Tilt, 3000K
Model:	E2 Adjustable
	60° High Output
Input Power (Watts):	18.7
Input Power Factor:	0.98
Absolute Luminous Flux (Lumens):	1382
Lumen Efficacy (Lumens per Watt):	73.7

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

0°	———
45°	———
90°	———
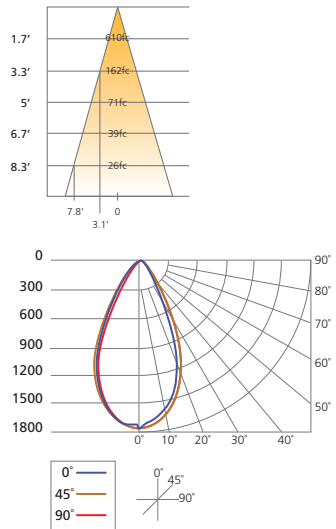
ELEMENT™ 2" LED
ADJUSTABLE DOWNLIGHT & WALL WASH

PROJECT INFORMATION

JOB NAME AND INFORMATION

FIXTURE TYPE AND QUANTITY

NOTES

Visual Comfort & Co.

ARCHITECTURAL COLLECTION

FORMERLY KNOWN AS TECH LIGHTING

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