

ELEMENT™ 6" LED

ADJUSTABLE RETROFIT

The ELEMENT 6" LED Adjustable Retrofit offers a fully engineered solution to upgrade standard 6" recessed downlights with the latest LED technology and efficiency. This dimmable 6" adjustable retrofit offers easy user installation and features a patented dome assembly with 0-35° tilt, 360° rotation hot-aiming with tool-free locking systems, perfect for task and accent applications. Offered with a standard 40° beam spread, as well as output and color options at 90 CRI, the ELEMENT 6" LED Retrofit features a closed dome design for a clean aesthetic.

Key features

- 0-35° tilt/360° rotation hot-aiming and tool-free locking systems
- LED upgrade retrofits to most standard 6" aperture recessed can fixtures
- Universal mounting springs and optional butterfly brackets included
- Incandescent socket attachment
- Ships with optional eggcrate louver to reduce glare

SPECIFICATIONS

	HIGH OUTPUT (AT 3000K)	LOW OUTPUT (AT 3000K)
DELIVERED LUMENS	1000	800
WATTS	14.5	10
EFFICACY	69	80
CRI	90	90
CBCP (40°)	2096	1682
CCT OPTIONS	2700K, 3000K	
COLOR CONSISTENCY	3-Step	
VOLTAGE	120V	
DIMMING*	ELV (recommended) or TRIAC (Smooth dimming to 3%-15% depending on dimmer)	
OPTICS	40°	
ADJUSTABILITY	Patent pending 0-35° tilt and 360° rotation, hot aiming with tool-free locking	
CEILING APPEARANCE	Retrofit	
HOUSING**	IC (Low Output only), Non-IC	
POWER SUPPLY	Constant Current: driver with +.9 power factor and +80% efficiency	
GENERAL LISTING	ETL listed. Damp listed.	
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2016 Title 24 Part 6.	
CONSTRUCTION	Heavy gauge cold rolled steel	
FINISH	White powder coat	
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.

**See ELEMENT-lighting.com for 6" housing compatibility.

***Visit ELEMENT-lighting.com for specific warranty limitations and details.

Available optical controls can be ordered separately.

Data in chart reflect 3000K/80 CRI values unless noted. Output difference between CCTs ~ 5%, CRIs ~ 15%.

Jumper connector allows ELEMENT 6" Retrofit to attach to a recessed housing that ships with an Ideal PowerPlug® Model #30-68 male connector.

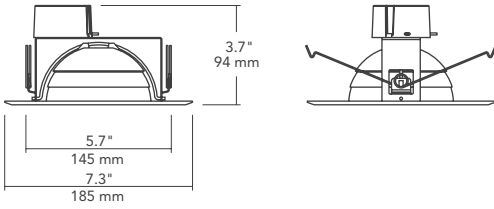
-IDL suffix in the ordering grid includes the jumper and the incandescent socket adapter.

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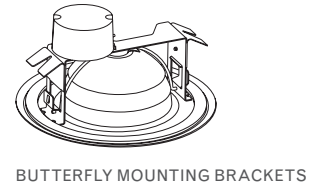
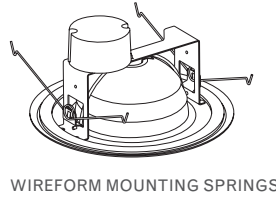
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techlighting.com

HOUSING DIMENSIONS



MOUNTING OPTIONS



GRIDS

HOUSING

PRODUCT SERIES	LAMP	CRI	COLOR TEMPERATURE	FINISH (DOME INTERIOR / FLANGE)	OPTIONAL CONNECTOR
ER6A ELEMENT 6" ADJUSTABLE RETROFIT	-LH LED HIGH OUTPUT -LO LED LOW OUTPUT	9 90 CRI	27 2700K 30 3000K	WW WHITE / WHITE	-IDL
ER6A	-	9		WW	

LENSES / LOUVERS

	TYPE	FINISH
MOC	GG PLAIN GLASS SF SOFT FOCUS LL LINEAR SPREAD EC EGGCATE LOUVER LS1 1" LONG SNOOT LS12 1/2" LONG SNOOT	-W WHITE
MOC		-W

REPLACEMENT OPTICS

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

PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES

TECH LIGHTING®
VISUAL COMFORT GROUP

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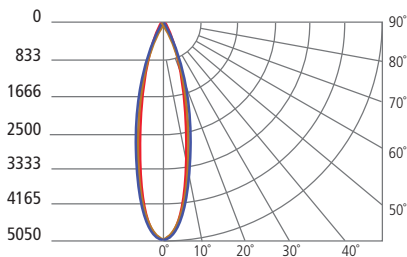
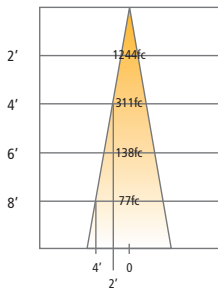
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PHOTOMETRICS: HIGH OUTPUT

DESCRIPTION: 6" LED Retrofit
20° Beam - 0° Tilt, 90 CRI, 3000K
MODEL: 6" LED Retrofit 20° High

INPUT POWER (WATTS): 18.7
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1271*
LUMEN EFFICACY (LUMENS PER WATT): 68

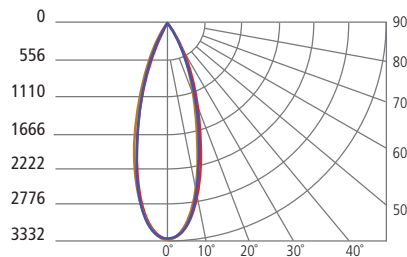
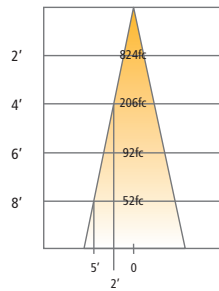
ANGLE	0°	45°	90°
0°	4179	4179	4179
5°	3539	3591	3744
10°	2488	2547	2772
15°	1614	1651	1773
20°	994	1017	1091
25°	550	570	619
30°	296	307	336
35°	163	171	184
40°	91	95	103
45°	51	52	58
50°	29	30	33
55°	17	18	19
60°	11	11	12
65°	5	6	7
70°	1	1	3
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



DESCRIPTION: 6" LED Retrofit
30° Beam - 0° Tilt, 90 CRI, 3000K
MODEL: 6" LED Retrofit 30° High

INPUT POWER (WATTS): 18.7
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1114*
LUMEN EFFICACY (LUMENS PER WATT): 59.6

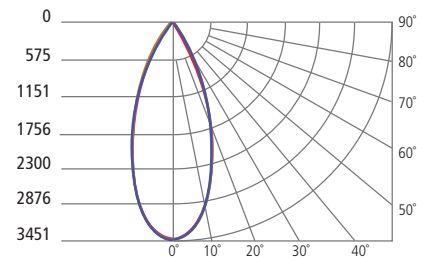
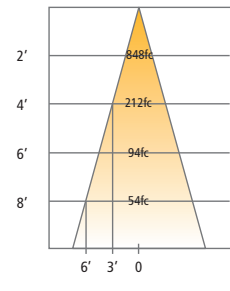
ANGLE	0°	45°	90°
0°	2770	2770	2770
5°	2582	2594	2624
10°	2101	2117	2177
15°	1458	1483	1539
20°	898	917	962
25°	509	519	549
30°	273	280	299
35°	148	153	165
40°	85	88	96
45°	53	56	61
50°	36	38	42
55°	25	26	30
60°	16	17	20
65°	9	10	11
70°	4	5	6
75°	0	0	1
80°	0	0	0
85°	0	0	0
90°	0	0	0



DESCRIPTION: 6" LED Retrofit
40° Beam - 0° Tilt, 90 CRI, 3000K
MODEL: 6" LED Retrofit 40° High

INPUT POWER (WATTS): 18.7
INPUT POWER FACTOR: 0.98
ABSOLUTE LUMINOUS FLUX (LUMENS): 1371*
LUMEN EFFICACY (LUMENS PER WATT): 73.2

ANGLE	0°	45°	90°
0°	2854	2854	2854
5°	2743	2741	2757
10°	2445	2440	2478
15°	1962	1970	2006
20°	1344	1363	1414
25°	750	781	828
30°	368	385	414
35°	176	182	196
40°	88	90	94
45°	45	47	48
50°	25	25	27
55°	14	14	15
60°	8	8	9
65°	4	4	6
70°	1	1	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



*For 80 CRI values, multiply by 1.25.
Output difference between CCTs ~ 5%, CRIs ~ 15%.

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PHOTOMETRICS: HIGH OUTPUT

DESCRIPTION: 6" LED Retrofit
40° Beam - 0° Tilt, 90 CRI, 3000K

MODEL: 6" LED Retrofit

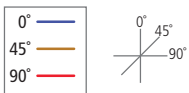
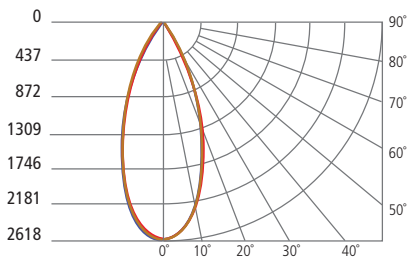
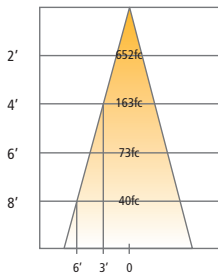
INPUT POWER (WATTS): 12.4

INPUT POWER FACTOR: 0.98

ABSOLUTE LUMINOUS FLUX (LUMENS): 1056*

LUMEN EFFICACY (LUMENS PER WATT): 85.2

ANGLE	0°	45°	90°
0°	2188	2188	2188
5°	2137	2136	2106
10°	1956	1938	1893
15°	1633	1608	1536
20°	1206	1175	1082
25°	736	705	632
30°	377	362	318
35°	179	174	151
40°	82	81	74
45°	42	42	39
50°	24	23	22
55°	14	13	12
60°	8	8	8
65°	5	5	5
70°	2	2	2
75°	1	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



*For 80 CRI values, multiply by 1.25.
Output difference between CCTs ~ 5%, CRIs ~ 15%.

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