

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	
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.	
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.

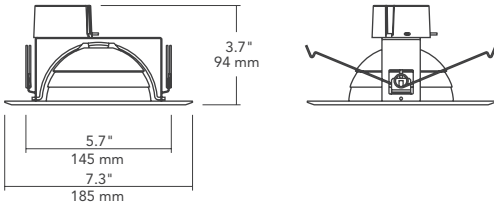
Available optical controls can be ordered separately.

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

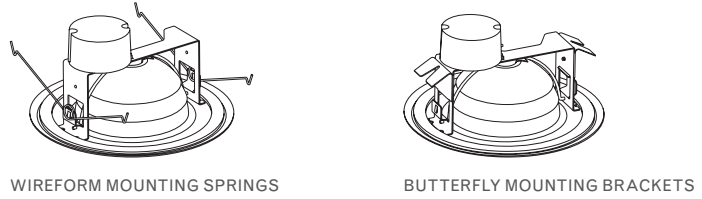
-IDL suffix in the ordering grid includes the jumper and the incandescent socket adapter.



## HOUSING DIMENSIONS



## MOUNTING OPTIONS



## GRIDS

### HOUSING

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

### LENSES / LOUVERS

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

### REPLACEMENT OPTICS

351LEDGATOPT	BEAM SPREAD
	20 20°
	30 30°
	40 40°
	60 60°
<b>351LEDGATOPT</b>	

## 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



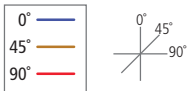
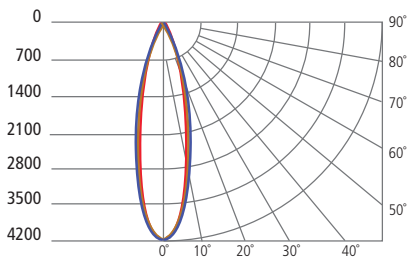
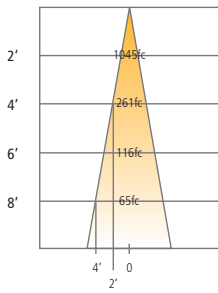
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## PHOTOMETRICS: HIGH OUTPUT

DESCRIPTION: 6" LED Retrofit  
20° Beam - 0° Tilt, 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

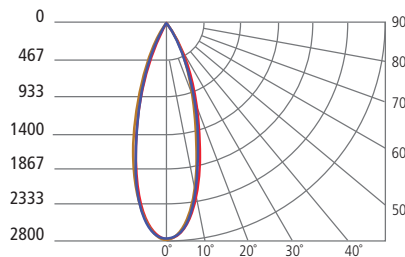
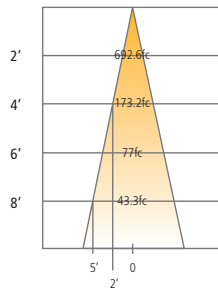
ANGLE	0°	45°	90°
0°	4179	4179	4179
5°	3539	3591	3744
10°	2488	2547	2772
15°	1614	1651	1773
20°	994	1017	1091
25°	550	570	619
30°	296	307	336
35°	163	171	184
40°	91	95	103
45°	51	52	58
50°	29	30	33
55°	17	18	19
60°	11	11	12
65°	5	6	7
70°	1	1	3
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



DESCRIPTION: 6" LED Retrofit  
30° Beam - 0° Tilt, 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

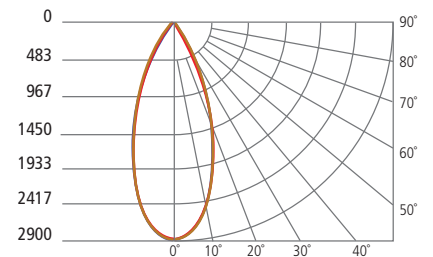
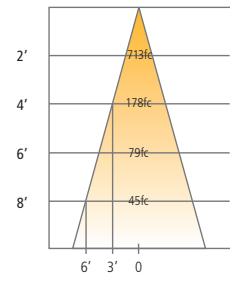
ANGLE	0°	45°	90°
0°	2770	2770	2770
5°	2582	2594	2624
10°	2101	2117	2177
15°	1458	1483	1539
20°	898	917	962
25°	509	519	549
30°	273	280	299
35°	148	153	165
40°	85	88	96
45°	53	56	61
50°	36	38	42
55°	25	26	30
60°	16	17	20
65°	9	10	11
70°	4	5	6
75°	0	0	1
80°	0	0	0
85°	0	0	0
90°	0	0	0



DESCRIPTION: 6" LED Retrofit  
40° Beam - 0° Tilt, 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



## PHOTOMETRICS: HIGH OUTPUT

DESCRIPTION: 6" LED Retrofit  
40° Beam - 0° Tilt, 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

