

# 2 x 2 Recessed Architectural Luminaire LAB22 Series - with TriGain technology



Project name \_\_\_\_\_  
Date \_\_\_\_\_  
Type \_\_\_\_\_

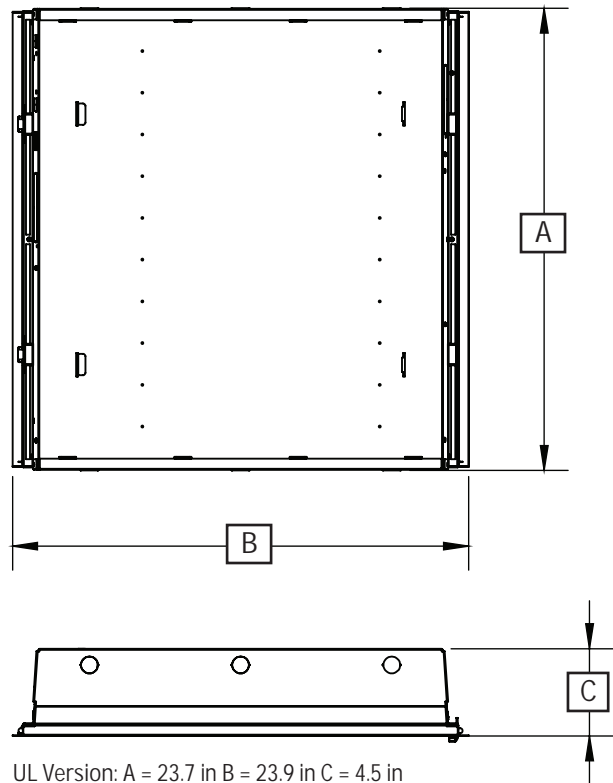
## Product Description:

GE Lumination LAB Series Recessed Architectural LED Luminaires bring a designer touch to any drop ceiling landscape. For new construction or retrofit, these distinctive luminaires provide a beautiful sculptural look in an easy-to-install LED solution. The LAB architectural lighting luminaires feature curving and a delineated perforated basket with the express purpose of creating added visual interest. All products now have TriGain technology, an exclusive product offered only by Current, powered by GE...Color without compromise with 90CRI, R9>90 and no compromise in LPW over 80 CRI LED technology.

## Typical Performance Summary:

Distribution Patterns: Lambertian  
Nominal Lumen Outputs: 2000 Lm, 3300 Lm, 4000 Lm, 5000 Lm  
System Input Power: 20-46W  
Standard Dimming Compatibility: 0-10V  
Efficiency: 97-103 LPW  
Input Voltage: 120-277V  
CCT: 3500K, 4000K  
CRI: 90+, R9: >90 ZWKTriGain  
Color Consistency: 4 Step MacAdam Ellipse  
Lifetime Rating: 50,000 hours @ L85  
Input Frequency (Hz): 50/60Hz  
Power Factor: >0.9  
Dimensions: UL Version: 23.7 in x 23.9 in x 4.5 in  
THD: <20%  
Mounting: Fits standard T-Bar grid (drop ceilings)  
Maximum Weight: < 11 Lbs  
Limited Warranty: 5 Years Standard  
Files Available: LM79, LM80, IES

## Product Dimensions:



Certified by: 30HDVHUHIHJWRWKH/3/ÆVLWHIRU  
WKHODWHVWDGPRVWFRPSOHWHLLUPDWLRO  
ZHVLDLKWVVRU43/

## Ordering Information:

LAB 22 A LT WHITE

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI	CCT	CONTROL	MOUNTING LOGIX COMPATIBLE	FINISH	OPTIONS
LAB	22 = 2 x 2	A	0 = 120-277V					VQ = 0-10V TQ = Daintree <sup>1</sup>	LT=T-Grid	WHITE = White	Blank if no options EL = Emergency Light CP = Chicago Plenum Contact manufacturer for other options.

Notes:  
1. Contact manufacturer for lead time and minimum order quantities.

Drywall Mount Kit 2 x 2	67657
Surface Mount Kit 2 x 2	212459
Recessed Arch. 347V Kit	93039699

Note: Order separately

LUMEN CODE	DISTRIBUTION TYPE	CRI	COLOR TEMP (K)	SPECIFIED LUMENS	SYSTEM WATTAGE
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	35=3500	1940	20W
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	35=3500	3000	30W
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	35=3500	3700	37W
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	35=3500	4550	46W
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	40=4000	1950	20W
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	40=4000	3050	30W
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	40=4000	3800	37W
	MM=Med. Lambertian	T=90 reveal <sup>fi</sup> TriGain	40=4000	4650	46W

# Photometric Data: Lumination™ 2' x 2' Recessed Architectural Luminaire LAB 22 Series - reveal® with TriGain™ technology

LAB22A033UDT40

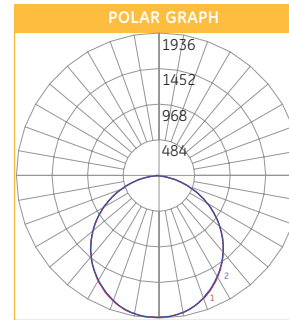
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	182.59
10-20°	517.83
20-30°	770.54
30-40°	911.58
40-50°	928.84
50-60°	827.30
60-70°	620.28
70-80°	347.00
80-90°	85.59
90-100°	1.35
100-110°	1.07
110-120°	0.98
120-130°	0.99
130-140°	1.11
140-150°	1.14
150-160°	1.02
160-170°	0.70
170-180°	0.27

COEFFICIENTS OF UTILIZATION																				
RC	80%				70%				50%				30%				10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84	84	
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70	70	
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	59	59	
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51	51	
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44	44	
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39	39	
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34	34	
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31	31	
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28	28	
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25	25	

NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-20°	700.42	13.50
0-30°	1470.96	28.30
0-40°	2382.54	45.80
0-60°	4138.67	79.60
0-80°	5105.95	98.20
0-90°	5191.54	99.80

LUMINANCE DATA (CANDELA/m²)			
Gamma	0°	45°	90°
45°	2696	2695	2696
55°	2553	2561	2553
65°	2333	2360	2333
75°	1993	2000	1993
85°	1287	1185	128



## Product Specifications:

### Construction:

- Durable, long lasting bezel construction. Steel, Electrogalvanized, Cold-rolled, Commercial quality paint coating.
- IP Rating: IP20

### Electrical System:

- Class 2, replaceable, high efficiency LED driver rated for 50,000 hours when used within operating conditions.
- THD: <20%
- Transient Protection: 100 kHz ring wave, 2 kV level condensing.

### Optical System:

- Precision formed optical assembly comprised of high specularly reflective paint, and a transmissive lens in an easily removable door.
- High optical grade lens on door providing excellent efficiency and impact resistance.
- Luminance Uniformity: 3:1 max to min.
- Smooth uniform light look across the lens with no visible diodes or "strips" from light bars.

### Installation:

- Drivers and internal components accessed via drop down door, with access plate on the outside.
- Suitable for dry locations.
- Integrated PSU enclosure accessible from underneath the ceiling plane.
- Luminaire Vibration Testing: Luminaire test to 0.5 G, 100,000 cycles per axis, 2 axis.

For more information and access to all of our resources, including our design tool visit: [www.gecurrent.com](http://www.gecurrent.com)



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