

2 x 4 Recessed Architectural Luminaire LAB24 Series - TriGain technology



Project name _____
Date _____
Type _____

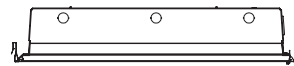
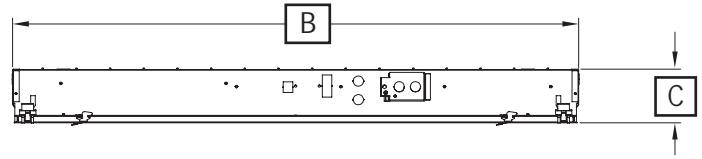
Product Description:

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: 3000 Lm, 4000 Lm, 4800 Lm, 6000Lm, 7200Lm
System Input Power: 27-64W
Standard Dimming Compatibility: 0-10V
Efficiency: 102-109 LPW
Input Voltage: 120-277V
CCT: 3500K, 4000K
CRI: 90, R9: >90 using TriGain
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 47.9 in x 4.5 in
THD: <20%
Mounting: Fits standard T-Bar grid (drop ceilings)
Maximum Weight: < 20 Lbs
Limited Warranty: 5 Years Standard
Files Available: LM79, LM80, IES

Product Dimensions:



UL Version: A = 23.7 in B = 47.9 in C = 4.5 in

Certified by:    30HDVHUHIHJWRWKH/3/BEVLWHIRU
WKHODWHVWDQPRVWFRPSOHWHLQUPDWLRQ
ZHVLDLKWVVRU43/

Ordering Information:

LAB 24 A LT WHITE

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI	CCT	CONTROL	MOUNTING LOGIX COMPATIBLE	FINISH	OPTIONS
LAB	24 = 2 x 4	A	0 = 120-277V					VQ = 0-10V TQ = Daintree ¹	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 4	69523
Surface Mount Kit 2 x 4	212460
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 TriGain	35=3500	2880	27W
	MM=Med. Lambertian	T=90 TriGain	35=3500	3550	34W
	MM=Med. Lambertian	T=90 TriGain	35=3500	4450	42W
	MM=Med. Lambertian	T=90 TriGain	35=3500	5350	52W
	MM=Med. Lambertian	T=90 TriGain	35=3500	6500	64W
	MM=Med. Lambertian	T=90 TriGain	40=4000	2950	27W
	MM=Med. Lambertian	T=90 TriGain	40=4000	3600	34W
	MM=Med. Lambertian	T=90 TriGain	40=4000	4550	42W
	MM=Med. Lambertian	T=90 TriGain	40=4000	5450	52W
	MM=Med. Lambertian	T=90 TriGain	40=4000	6650	64W

Photometric Data: Lumination® 2' x 4' Recessed Architectural Luminaire LAB 24 Series - with TriGain® technology

LAB24A048UDT40

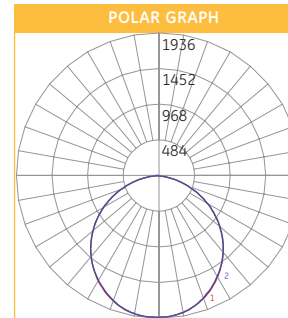
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	182.59
10-20°	517.83
20-30°	770.54
30-40°	911.58
40-50°	928.84
50-60°	827.30
60-70°	620.28
70-80°	347.00
80-90°	85.59
90-100°	1.35
100-110°	1.07
110-120°	0.98
120-130°	0.99
130-140°	1.11
140-150°	1.14
150-160°	1.02
160-170°	0.70
170-180°	0.27

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	102	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



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