

Lumination® LED Luminaires

2' x 2' Recessed Architectural Luminaire
LAD22 Series - with TriGain® technology



Project name _____
Date _____
Type _____

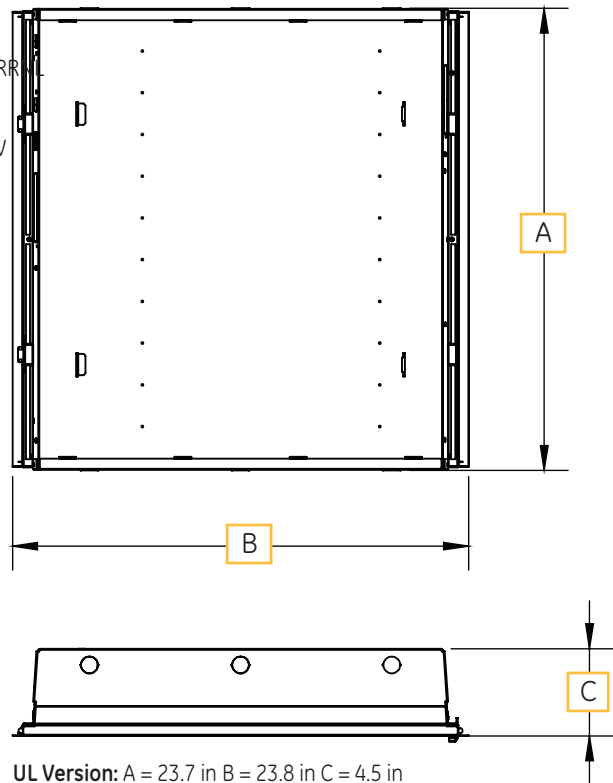
Product Description:

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DHDVWRLVWDOO/(VROWLR7KH/DUFKLWFWWUDOOKWLOPLDUHV
IHDWUHFUYLVWSSHGOHVDGGHOLHDWGGHWDLOVDGLIRUPOLKW
DFURVVKHOHVLWKKKHSUHVVSURVHRIFUHDWLDGGHGYLDOLWUHWV
OOSURGFVWRKDYH7ULDLWHFKRORDHFOVLYHSURGFWRRIHUHG
ROEUUHWORULWKRWRFRSURPLVHLWK5,5DGR
FRPSURPLVHL/3:RYHU5,/WHFKROR

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
Efficacy: 103-108 LPW
Input Voltage: 120-277V
CCT: 3500K, 4000K
CRI: 90+, R9: >90 LWK7ULDL ® 7HFKROR
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 23.8 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:

TriGain®
Technology

3OHDVHUHUIHURWVKH/43/HEVLWHIRU
WKHODVHWVWDGPRVWFRPSOHWHLIRUPDWLR
GHVLQKWRU43/

Ordering Information:

LAD 22 A LT WHITE

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI	CCT	CONTROL	MOUNTING LOGIX COMPATIBLE	FINISH	OPTIONS
LAD	22 = 2' x 2'	A	0 = 120-277V					V0 = 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.

ACCESSORIES	PRODUCT CODE
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
20=2000	MM=Med. Lambertian	T=90 7ULDL ®	35=3500	2050	20W
33=3300	MM=Med. Lambertian	7 7ULDL	35=3500	3000	30W
40=4000	MM=Med. Lambertian	7 7ULDL	35=3500	4000	37W
50=5000	MM=Med. Lambertian	7 7ULDL	35=3500	4900	46W
20=2000	MM=Med. Lambertian	7 7ULDL	40=4000	2100	20W
33=3300	MM=Med. Lambertian	7 7ULDL	40=4000	3300	30W
40=4000	MM=Med. Lambertian	7 7ULDL	40=4000	4000	37W
50=5000	MM=Med. Lambertian	7 7ULDL	40=4000	5000	46W

current
powered by GE

Photometric Data: Lumination® 2' x 2' Recessed Architectural Luminaire LAD22 Series - with TriGain® Technology

LAD22A033UDT40

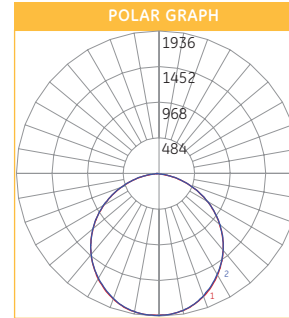
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	182.59
10-20°	517.83
20-30°	770.54
30-40°	911.58
40-50°	928.84
50-60°	827.30
60-70°	620.28
70-80°	347.00
80-90°	85.59
90-100°	1.35
100-110°	1.07
110-120°	0.98
120-130°	0.99
130-140°	1.11
140-150°	1.14
150-160°	1.02
160-170°	0.70
170-180°	0.27

RC	COEFFICIENTS OF UTILIZATION																		
	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



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