

Lumination™ LED Luminaires

2' x 4' Recessed Architectural Luminaire
AC24 Series



Project name _____
Date _____
Type _____

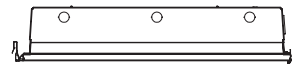
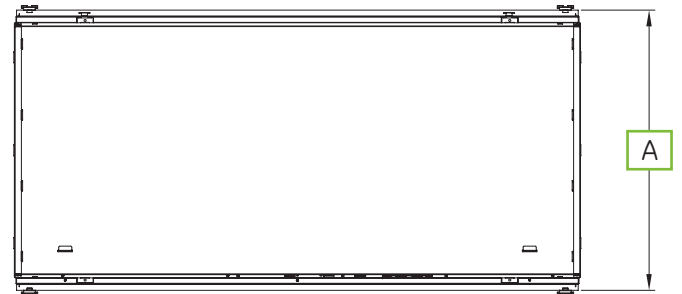
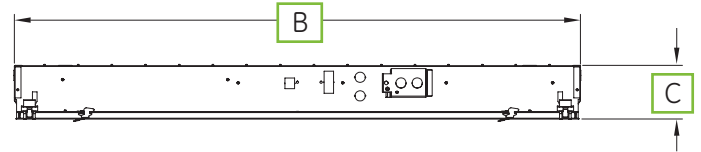
Product Description:

GE Lumination AC Series Recessed Architectural LED Luminaires bring a designer touch to any drop ceiling landscape. For new construction or retrofit, these distinctive fixtures provide a beautiful architectural look in an easy-to-install LED solution. These architectural lighting luminaires feature curving, baffles and delineated details and uniform light across the lens with the express purpose of creating added visual interest with energy-saving and long-life advantages of LED.



Typical Performance Summary:

Distribution Patterns: Lambertian
Delivered Lumen Output: 5000 LM (3500K), 5100 Lm (4000K)
System Input Power: 48 W
Standard Dimming Compatibility: 0-10V
Efficacy: 104 LPW (typical for 3500K), 106 LPW (typical for 4000K)
Input Voltage: 120-277V for UL version
Standard Dimming Compatibility: 0-10V
CCT: 3500K, 4000K
Typical CRI: 80+, R9: >0
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: 11 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:  

Please refer to the DLC QPL website for the latest and most complete information.
www.designlights.org/QPL

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Ordering Information:

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	VOLTAGE	OPTICAL CODE	MOUNTING LOGIX COMPATIBLE	CONTROLLER	FINISH	OPTIONS
AC	24 = 2' x 4'	0 = 120-277V (UL Version)		A = T-Grid, Bolt Slot	V = 0-10V L = Lutron* * Contact manufacturer for availability.	WHITE = White	Blank if no options EL = Emergency Light Contact manufacturer for other options.
ACCESSORIES		PRODUCT CODE					
Drywall Mount Kit 2 x 4		69523					
Surface Mount Kit 2 x 4		212460					
OPTICAL CODE	DISTRIBUTION TYPE	CRI	COLOR TEMP (K)	TYPICAL LUMENS	SYSTEM WATTAGE		
A2	Lambertian	80	3500	5000	48 W		
A3	Lambertian	80	4000	5100	48 W		

Note: Order separately



imagination at work

Photometric Data: Lumination™ 2' x 4' Recessed Architectural Luminaire AC 24 Series

AC24XA3AVWHTXXX.IES

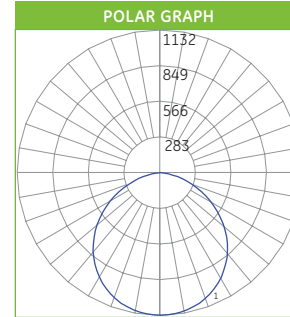
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	106.82
10-20°	303.12
20-30°	450.13
30-40°	530.46
40-50°	536.26
50-60°	473.30
60-70°	352.42
70-80°	194.39
80-90°	48.91
90-100°	0.46
100-110°	0.41
110-120°	0.41
120-130°	0.46
130-140°	0.58
140-150°	0.67
150-160°	0.64
160-170°	0.46
170-180°	0.17

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	119	116	116	116	116	111	111	111	106	106	106	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°	409.94	13.70
0-30°	860.07	28.70
0-40°	1390.53	46.30
0-60°	2400.1	80.00
0-80°	2946.91	98.20
0-90°	2995.83	99.90

LUMINANCE DATA (CANDELA/m²)			
Gamma	0°	45°	90°
45°	3260	3235	3254
55°	3055	3037	3066
65°	2774	2773	2819
75°	2305	2336	2375
85°	1293	1579	1799



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.
- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions.
- THD: <20%
- Transient Protection: 100 kHz ring wave, 2 kV level condensing).
- Input Current: 120V/48W - 400mA
230V/48W - 209mA
277V/48W - 173mA

Optical System:

- Precision formed optical assembly comprised of high specular reflectors, and a transmissive lens in an easily removable door.
- High optical grade lens providing uniform light look, good efficiency and impact resistance.
- Luminance Uniformity: 3:1 max to min.
- No visible diodes.

Installation:

- Drivers and internal components accessed via drop down door.
- Suitable for dry locations.
- Integrated PSU enclosure delivers low profile and ease of installation.
- 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.gelighting.com



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