

Lumination™ LED Luminaires

LALR Series

LED Recessed Linear Luminaire



Project name _____

Date _____

Type _____

Product Description:

GE's Lumination™ LED fixtures with reveal® TriGain™ - LALR Series is designed to flawlessly integrate into ceiling systems or drywall ceilings to deliver beautiful lighting for commercial applications by forming uniform lines of light. The series can be recessed individually or in continuous rows. The Architectural Linear platform offers long life and high efficiency to minimize operating and maintenance costs along with delivering enhanced CRI and R9 without sacrificing efficiency.

Performance Summary:

Distribution Patterns: Medium

Delivered Lumen Output: 400, 500, 600, 700, 800, 900 or 1000 lumens/foot

System Input Power: 3-10 Watts/foot

System Efficacy: 100+ LPW

Input Voltage: 120-277V, 347V

Standard Dimming Control: 0-10V, Daintree

CCT: 3000K, 3500K & 4000K

Typical CRI: 83, TriGain™ 90

Color Consistency: 4 Step MacAdam Ellipse

Input Frequency: 50/60Hz

Power Factor: >0.9

Weight: 8lbs - 17lbs

Mounting: T-Grid or Drywall

Warranty: 5 years standard

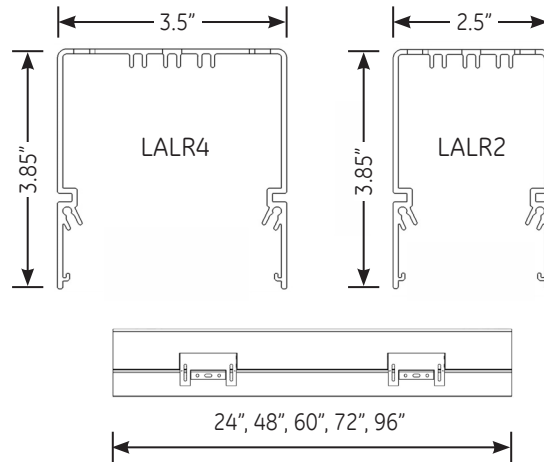
Rated Life: L75 @ 50,000 hrs.

Storage Temperature: -40°C to 70°C

Operating Temperature: -10° up to 30° C

Maximum Run Length: 50 ft. per 1 powerdrop

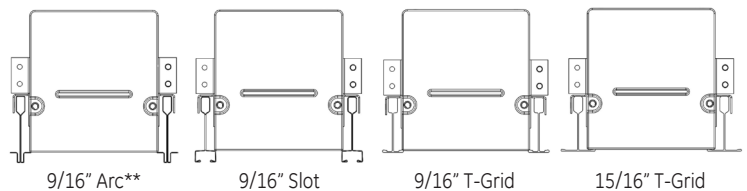
Product Dimensions*:



*Stand Alone/Starter dimensions are 3/8" shorter than specified length to allow for proper grid installation and include a pair of Endcaps.

Each row of connected fixtures requires one Stand Alone/Starter Fixture and the necessary quantity of Continuous fixtures to make the necessary length.

T-Grid Mounting Methods:



LALR4 - T-Grid mounted 4" on center
LALR2 - T-Grid mounted 3" on center

**See installation notes

Certified by:

Daintree
WIRELESS CONTROLS

reveal
TriGain
technology from GE

a product of **ecomagination**™

Ordering Information:

LALR A NA 00 MM

FAMILY	FIXTURE WIDTH	FIXTURE LENGTH	GEN. VOLTAGE	UP LIGHT DISTRIBUTION	UP LIGHT LUMENS/FOOT	DOWNLIGHT DISTRIBUTION	DOWN LIGHT LUMENS/FOOT	CRI/CCT	CONTROLS	MOUNTING	FINISH	OPTIONS
LALR	2 = 2 inch 4 = 4 inch	2* = 2' Length 4 = 4' Length 5 = 5' Length 6 = 6' Length 8 = 8' Length * 2' length only available in Stand Alone/Starter and minimum 800lm/ft.	A 0 = 120-277V D = 347V	NA = No Uplight	00 = No Uplight	MM = Medium Flush Lens	10 = 1,000 LM/FT 09 = 900 LM/FT 08 = 800 LM/FT 07 = 700 LM/FT 06 = 600 LM/FT 05 = 500 LM/FT 04 = 400 LM/FT	830 = 83 CRI 3000K T35 = TriGain™ 3500K T40 = TriGain™ 4000K	VQ = 0-10V no controls TQ = Wireless Enabled, Daintree Compatible TS = Wireless Enabled, Compatible w/Daintree WFA100 * TQ & TS only available with 0 voltage option.	TS = T-Grid Starter/Stand Alone TC = T-Grid Continuous DS = Drywall (Trimless) Starter/Stand Alone DC = Drywall (Trimless) Continuous	WHITE = White BLCK = Black SLVR = Silver	BLANK = No Options EL = Emergency Battery CP = Chicago Plenum * EL option only available with VQ controls and 0 voltage option. * EL not available for 2' length. * CP meets CCEA requirements.

current
powered by GE



Performance: Lumination™ LALR Series

LALR2 Down Light

Product	CAT Logic	Lm/ft	Lumen Fixture	4000K TriGain™ Wattage	3500K TriGain™ Wattage	3000K Standard Wattage
22	08	800	1600	16.7	17.2	18.2
22	09	900	1800	18.9	19.7	20.4
22	10	1000	2000	21.2	22.0	23.0
24	04	400	1600	15.1	15.6	16.4
24	05	500	2000	19.2	19.7	20.8
24	06	600	2400	23.1	23.8	25.1
24	07	700	2800	27.1	27.9	29.4
24	08	800	3200	31.2	32.3	33.8
24	09	900	3600	35.3	36.6	38.4
24	10	1000	4000	40.5	41.8	43.9
25	04	400	2000	18.8	19.3	20.2
25	05	500	2500	23.4	24.2	25.4
25	06	600	3000	28.3	29.3	30.8
25	07	700	3500	33.5	34.5	36.2
25	08	800	4000	38.7	39.9	41.8
25	09	900	4500	44.0	45.3	47.7
25	10	1000	5000	47.2	48.7	49.4
26	04	400	2400	20.7	21.3	22.4
26	05	500	3000	26.2	27.0	28.3
26	06	600	3600	31.8	32.8	34.4
26	07	700	4200	37.5	38.7	40.6
26	08	800	4800	43.4	44.8	47.0
26	09	900	5400	49.4	51.0	53.5
26	10	1000	6000	55.6	57.3	60.2
28	04	400	3200	29.3	30.2	31.6
28	05	500	4000	36.7	37.7	39.6
28	06	600	4800	44.4	46.0	48.3
28	07	700	5600	52.8	54.7	57.7
28	08	800	6400	60.9	63.0	66.4
28	09	900	7200	69.8	72.1	75.8
28	10	1000	8000	75.0	77.6	77.9

LALR4 Down Light

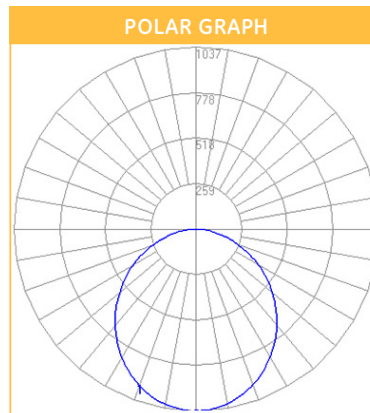
Product	CAT Logic	Lm/ft	Lumen Fixture	4000K TriGain™ Wattage	3500K TriGain™ Wattage	3000K Standard Wattage
42	08	800	1600	15.2	15.7	16.4
42	09	900	1800	17.4	17.9	18.7
42	10	1000	2000	19.4	19.9	21.0
44	04	400	1600	14.9	14.9	14.9
44	05	500	2000	17.4	17.9	18.7
44	06	600	2400	21.0	21.8	22.8
44	07	700	2800	24.6	25.4	26.6
44	08	800	3200	28.4	29.4	30.7
44	09	900	3600	32.3	33.3	34.8
44	10	1000	4000	36.9	37.9	39.7
45	04	400	2000	17.1	17.6	18.5
45	05	500	2500	21.5	22.0	23.2
45	06	600	3000	25.9	26.6	28.1
45	07	700	3500	30.6	31.5	33.0
45	08	800	4000	35.2	36.2	38.2
45	09	900	4500	40.1	41.3	43.3
45	10	1000	5000	45.0	46.5	48.7
46	04	400	2400	20.7	21.3	22.4
46	05	500	3000	26.2	27.0	28.3
46	06	600	3600	31.8	32.8	34.4
46	07	700	4200	37.5	38.7	40.6
46	08	800	4800	43.4	44.8	47.0
46	09	900	5400	49.4	51.0	53.5
46	10	1000	6000	55.6	57.3	60.2
48	04	400	3200	26.7	27.4	28.8
48	05	500	4000	33.3	34.3	35.9
48	06	600	4800	40.4	41.6	43.7
48	07	700	5600	47.8	49.4	52.0
48	08	800	6400	55.3	57.1	60.2
48	09	900	7200	63.3	65.1	68.5
48	10	1000	8000	71.3	73.7	77.6

Photometric Data: Lumination™ LALR Series

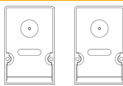

LALR-4-4-A-0-NA-00-MM-07-XXX-XX-WHTE-XX



ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	100
10-20°	283
20-30°	420
30-40°	493
40-50°	497
50-60°	438
60-70°	328
70-80°	186
80-90°	49
90-100°	0
100-110°	0
110-120°	0
120-130°	0
130-140°	0
140-150°	0
150-160°	0
160-170°	0
170-180°	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-30°	804	29
0-60°	2233	80
0-90°	2800	100
90-120°	0	0
90-130°	0	0
90-150°	0	0
90-180°	0	0
0-180°	2800	100.0



Replacement Parts: Lumination™ LALR Series

LALR2 SERIES	PRODUCT CODE	PARTS DESCRIPTION	PRODUCT DESCRIPTION
ENDCAPS 	93104330	White Replacement Endcaps - 2 PCs	LALR2 WHTE-ENDCAP-KIT-RP
	93104331	Black Replacement Endcaps - 2 PCs	LALR2 BLCK-ENDCAP-KIT-RP
	93104332	Silver Replacement Endcaps - 2 PCs	LALR2 SLVR-ENDCAP-KIT-RP
DOWN DIFFUSERS 	93104516	2ft Down Replacement Diffusers - 5 PCs	LALR2-24-STARTER-DWN-LENS-5QTY-RP
	93104517	4ft Starter Down Replacement Diffusers - 5 PCs	LALR24-47-STARTER-DWN-LENS-5QTY-RP
	93088275	4ft Continuous Down Replacement Diffusers - 5 PCs	LALX24-48-DWN-LENS-5QTY-RP
	93104518	5ft Starter Down Replacement Diffusers - 5 PCs	LALR25-59-STARTER-DWN-LENS-5QTY-RP
	93101927	5ft Continuous Down Replacement Diffusers - 5 PCs	LALX25-60-DWN-LENS-5QTY-RP
	93104519	6ft Starter Down Replacement Diffusers - 5 PCs	LALR26-71-STARTER-DWN-LENS-5QTY-RP
	93088296	6ft Continuous Down Replacement Diffusers - 5 PCs	LALX26-72-DWN-LENS-5QTY-RP
	93104520	8ft Starter Down Replacement Diffusers - 5 PCs	LALR26-95-STARTER-DWN-LENS-5QTY-RP
	93088297	8ft Continuous Down Replacement Diffusers - 5 PCs	LALX28-96-DWN-LENS-5QTY-RP

LALR4 SERIES	PRODUCT CODE	PARTS DESCRIPTION	PRODUCT DESCRIPTION
ENDCAPS 	93104333	White Replacement Endcaps - 2 PCs	LALR4 WHTE-ENDCAP-KIT-RP
	93104334	Black Replacement Endcaps - 2 PCs	LALR4 BLCK-ENDCAP-KIT-RP
	93104335	Silver Replacement Endcaps - 2 PCs	LALR4 SLVR-ENDCAP-KIT-RP
DOWN DIFFUSERS 	93104521	2ft Down Replacement Diffusers - 5 PCs	LALR4-24-STARTER-DWN-LENS-5QTY-RP
	93104522	4ft Starter Down Replacement Diffusers - 5 PCs	LALR44-47-STARTER-DWN-LENS-5QTY-RP
	93101934	4ft Continuous Down Replacement Diffusers - 5 PCs	LALX44-48-DWN-LENS-5QTY-RP
	93104523	5ft Starter Down Replacement Diffusers - 5 PCs	LALR45-59-STARTER-DWN-LENS-5QTY-RP
	93101933	5ft Continuous Down Replacement Diffusers - 5 PCs	LALX45-60-DWN-LENS-5QTY-RP
	93104524	6ft Starter Down Replacement Diffusers - 5 PCs	LALR46-71-STARTER-DWN-LENS-5QTY-RP
	93101932	6ft Continuous Down Replacement Diffusers - 5 PCs	LALX46-72-DWN-LENS-5QTY-RP
	93104525	8ft Starter Down Replacement Diffusers - 5 PCs	LALR46-95-STARTER-DWN-LENS-5QTY-RP
	93101931	8ft Continuous Down Replacement Diffusers - 5 PCs	LALX48-96-DWN-LENS-5QTY-RP

Product Specifications:

Construction:

- Durable, long lasting construction. Aluminum extrusion. Commercial quality coated with Electrostatic Powder Coat Paint.

Electrical System:

- Class 2, replaceable, high efficiency LED driver rated for 50,000 hours rated life when used within operating conditions.
- THD: <20%.
- Transient Protection: 100 kHz ring wave, 2 kV level.
- Environmental Testing: High Temperature High Humidity: 60°C /90% (non-condensing).
- Input Current: 120V/26W-217 mA, 230V/26W-113mA, 277V/26W-94mA.

Optical System:

- Precision formed optical assembly comprised of high efficiency reflector and optical diffuser.
- No visible LEDs.

Installation:

- Suitable for dry and damp locations. IC-rated.
- Flexible mounting.
- Use UL/cUL approved conduit fittings for 1/2" conduit trade size.
- T-grid and Drywall Applications.
- T-Grid versions rest on standard 9/16" and 15/16".
- Adjustable T-grid bracket allows for user-determined fixture reveal.
- Drywall versions are secured to the structure and to the adjacent ceiling. A LED cover is provided for protection of the interior components.
- For Drywall applications, corner bead to finish drywall not provided by manufacturer, must be provided by installer. See Installation Guides.

Standard Configuration Notes:

- Each row of connected fixtures requires one Stand Alone/Starter Fixture and the necessary quantity of Continuous fixtures to make the necessary length.
- Each Stand Alone/Starter is provided with a pair of End Caps.

EMBB:

- Integral to fixture.
- Test switch to be remotely mounted during fixture install.
- Additional 4 watts to the nominal power listed.

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