



High Efficiency Troffer (GA14, GA22, GA24)

LED Prismatic Lensed Troffer



OVERVIEW

Lumen Package (lm)	3,000 - 10,000
Wattage Range (W)	23 - 74
Efficacy Range (LPW)	122 - 152
Weight lbs (kg)	1x4 - 12.5 (5.7) 2x2 - 9.5 (4.3) 2x4 - 17.5 (7.9)

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- Available in 1'x4', 2'x2' and 2'x4' form factors.
- 3 1/4" deep housing constructed of structurally embossed, heavy gauge, cold rolled steel.
- Die-formed flat steel door with mitered loK corners for clean appearance.
- All reflective surfaces are finished with a high reflectance lighting fixture white polyester powder.

Optical System

- Use of closely-spaced medium-power, high-brightness chips minimizes pixelation and provides uniform lens luminance.
- Available in Cool White (5000K), Neutral White (4000K) and Warm White (3500K) CCT.
- Minimum CRI of 80.
- LM-80 reports available.
- 0.095 Pattern 12 lens is standard. Pattern 12.125 (nominal .125 thickness) available. Lens option must be specified in catalog string.

Electrical

- Calculated life: >100k Hours
- Standard universal voltage (120-277 VAC) input 50/60 Hz.
- High-performance isolated driver features over-voltage, over-current and short circuit (with auto-recovery) protection.
- Driver module is sealed to IP66 protection levels with a Class A sound rating.
- 0-10V volt dimming (1% - 100%) standard.
- Power factor (PF) > 0.9
- Total harmonic distribution (THD): < 20%
- In-rush current < 15 Amps

Installation

- Recessed grid mount standard. Recessed drywall kits optional. See accessory ordering information.
- Cam action latches and die formed T-hinges for door insertion from either side.
- Access plate provides top access to wireway. Wireway cover snap in for easy attachment and removal.
- Integral EQ grid clips included.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Buy American Act (BAA) Compliant.
- Suitable for Damp Locations.
- IC Rated for direct contact with building insulation.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- RoHS Compliant.

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Type : _____

 Have questions? Call us at (800) 436-7800

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: GA24 LED SS NW UE P12 FC1					
Prefix	Light Source	Drive Current	Color Temperature	Voltage	Options
GA14 - 1x4 GA22 - 2x2 GA24 - 2x4	LED	SS - Super Saver HO - High Output VHO - Very High Output	CW - Cool White (5000K) NW - Neutral White (4000K) WW - Warm White (3500K)	UE - Universal Input Voltage (120-277V) 347 - 347V	FC1 - 3-Conductor Flex Conduit (L, N, G) FC14 - 4-Conductor Flex Conduit (L, N, G, EM) FC15D - 5-Conductor Flex Conduit (L, N, G, DIM+, DIM-) ¹ FC16DEM - 6-Conductor Flex Conduit (L, N, G, EM, DIM+, DIM-) ¹ EM - Emergency Pack P12 - Pattern 12 Acrylic Nominal .095 Thickness 125P12 - Pattern 12 Acrylic Nominal .125 Thickness SD50 - Step Dimming to 50% 90C - 90 CRI Minimum



Need more information?
[Click here for our glossary.](#)

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ACCESSORY ORDERING INFORMATION

Part Number	Order Number	Description
M20026	FK14	Flange Kit - 1x4
M20027	FK22	Flange Kit - 2x2
M20028	FK24	Flange Kit - 2x4

PERFORMANCE

Delivered Lumens ²								
Form Factor	Drive Current	3500K		4000K		5000K		Wattage
		Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
GA14	SS	3227	132	3269	134	3354	137	24
GA22		2995	132	3034	134	3113	137	23
GA24		5142	147	5210	148	5345	152	35
GA14	HO	3658	130	3706	131	3802	135	28
GA22		3507	129	3553	132	3645	135	27
GA24		6233	143	6315	145	6479	149	44
GA14	VHO	5007	121	5073	123	5205	126	41
GA22		4785	122	4848	124	4974	127	39
GA24		9608	131	9735	132	9988	136	74

Electrical Data - Current Draw AMPS ³							
Lumen Package	Drive Current	Wattage	120V	208V	240V	277V	347V
GA14	SS	24	0.20	0.12	0.10	0.09	0.07
GA22		23	0.19	0.11	0.09	0.08	0.07
GA24		35	0.29	0.17	0.15	0.13	0.10
GA14	HO	28	0.24	0.14	0.12	0.10	0.08
GA22		27	0.23	0.13	0.11	0.10	0.08
GA24		44	0.36	0.21	0.18	0.16	0.13
GA14	VHO	41	0.34	0.20	0.17	0.15	0.12
GA22		39	0.33	0.19	0.16	0.14	0.11
GA24		74	0.61	0.35	0.31	0.27	0.21

Recommended Lumen Maintenance ⁴					
Ambient Temperature	Initial ⁵	25K hrs. ⁵	50K hrs. ⁵	75K hrs. ⁶	100K hrs. ⁶
0C	100%	97%	93%	89%	85%
10C	100%	97%	93%	89%	85%
20C	100%	97%	93%	89%	85%
25C	100%	97%	93%	89%	85%
30C	100%	97%	92%	87%	84%
40C	100%	96%	92%	86%	83%

1 Not available with controls.

2 LED Chips are frequently updated therefore values are nominal.

3 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

4 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.

5 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

6 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

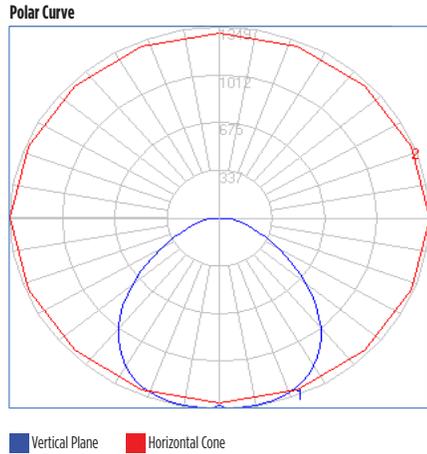
PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

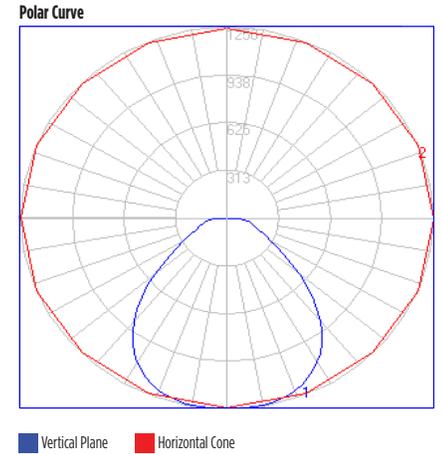
GA14-LED-SS-NW-UE-P12

Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-20	494.10	15.1
0-30	1062.01	32.5
0-40	1732.02	53.0
0-60	2776.54	84.9
0-80	3197.07	97.8
0-90	3269.37	100.0
10-90	3143.22	96.1
20-40	1237.92	37.9
20-50	1849.61	56.6
40-70	1307.79	40.0
60-80	420.52	12.9
70-80	157.25	4.8
80-90	72.31	2.2
90-110	0.00	0.0
90-120	0.00	0.0
90-130	0.00	0.0
90-150	0.00	0.0
90-180	0.00	0.0
110-180	0.00	0.0
0-180	3269.37	100.0



GA22-LED-SS-NW-UE-P12

Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-20	462.7	15.3
0-30	987.06	32.5
0-40	1597.25	52.6
0-60	2570.79	84.7
0-80	2966.32	97.8
0-90	3034.03	100.0
10-90	2915.45	96.1
20-40	1134.55	37.4
20-50	1696.88	55.9
40-70	1220.14	40.2
60-80	395.54	13.0
70-80	148.94	4.9
80-90	67.7	2.2
90-110	0	0.0
90-120	0	0.0
90-130	0	0.0
90-150	0	0.0
90-180	0	0.0
110-180	0	0.0
0-180	3034.03	100.0



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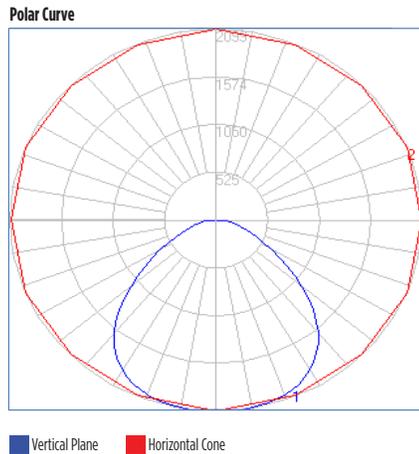
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GA24-LED-SS-NW-UE-P12

Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-20	765.55	14.7
0-30	1654.69	31.8
0-40	2722.36	52.3
0-60	4440.28	85.2
0-80	5099.9	97.9
0-90	5210.2	100.0
10-90	5015.54	96.3
20-40	1956.8	37.6
20-50	2961.06	56.8
40-70	2137.57	41.0
60-80	659.62	12.7
70-80	239.97	4.6
80-90	110.3	2.1
90-110	0	0.0
90-120	0	0.0
90-130	0	0.0
90-150	0	0.0
90-180	0	0.0
110-180	0	0.0
0-180	5210.2	100.0



CCT Proration	
CCT	Proration Factor
3500K	0.987
4000K	1.000
5000K	1.026

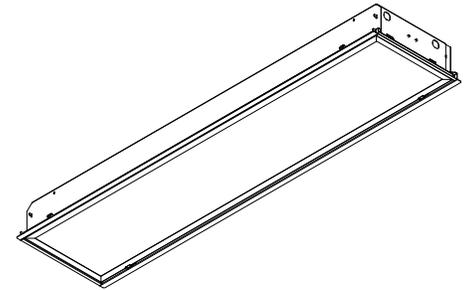
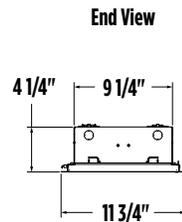
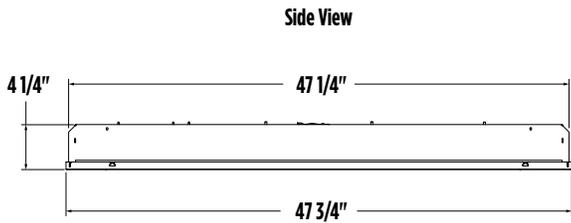
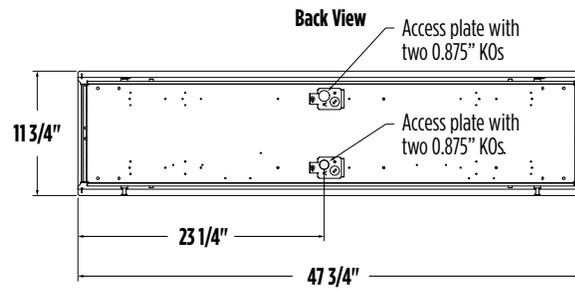
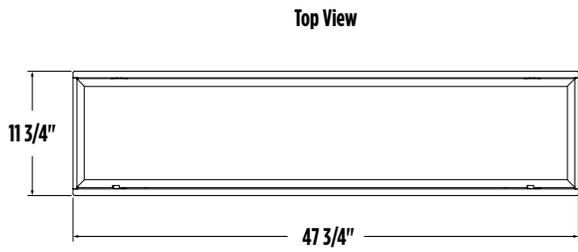
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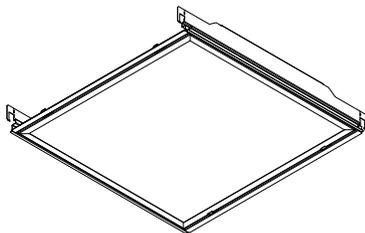
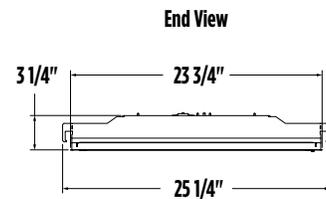
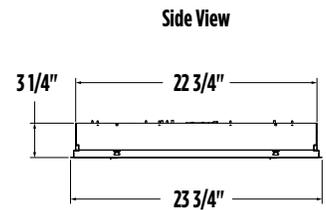
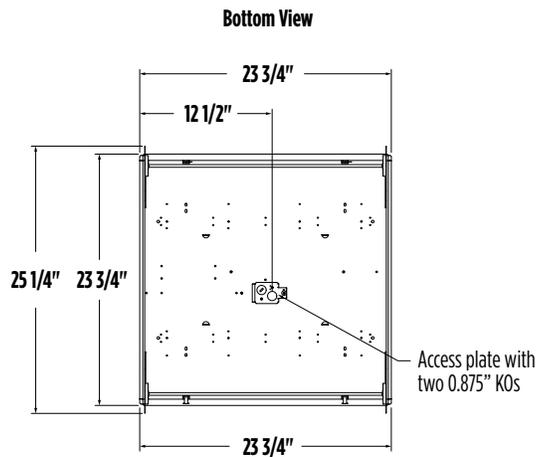
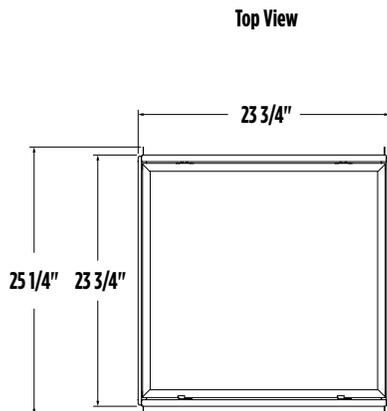
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PRODUCT DIMENSIONS

GA14



GA22



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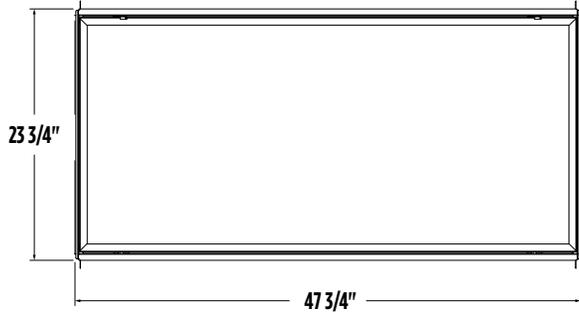
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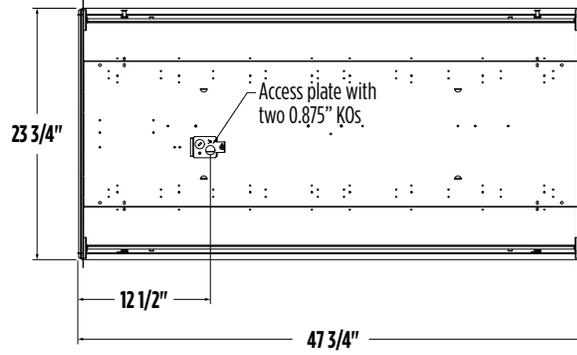
PRODUCT DIMENSIONS

GA24

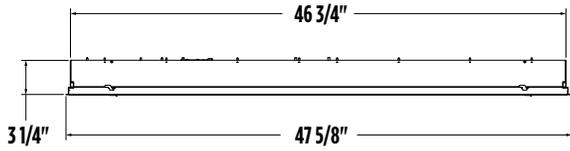
Top View



Back View



Side View



End View

