



Low Profile Troffer 1x4 (LPASC14)

Recessed Narrow-Lens



OVERVIEW

Lumen Range (lm)	1,950 - 8,300
CCT (K)	3000, 3500, 4000, 5000, Tunable White
Wattage Range (W)	16 - 63
Efficacy Range (LPW)	119 - 139
Weight lbs (kg)	14.5 (6.6)

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- Rigid housing is die-formed 22-gauge cold-rolled steel for consistency and strength.
- Luminaire comes equipped with integral NEC-compliant earthquake clips.
- Ultra-slim (< 4") luminaire height and light-weight design effectively targets a broad range of plenum/wall spaces and allows for easy installation.
- Thermally optimized housing allows for direct insulation contact (IC rated).
- Luminaire is treated with phosphate rust inhibitor prior to powder coating. Reflecting surfaces are coated with high-reflectance (minimum 92%) white polyester powder.
- Luminaire is proudly manufactured in the U.S.A

Optical System

- High-transmission diffuse acrylic radial lens eliminates bright spots from individual LEDs and provides high vertical illuminance and visual comfort.
- Tunable White with digital control option with a CCT range of 2700K - 6500K
- State of the art LED chips for reliability and extended lumen maintenance

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (1% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) or optional High Voltage (347 VAC) 50/60 Hz input.

- L80 Calculated Life: >100k Hours (See lumen maintenance table on Page 3)
- Total harmonic distortion (THD): <20%
- Power factor (PF): > 0.95
- Sensor-ready drivers available; consult factory for details.
- Optional 120-277VAC integral emergency battery backup is available to meet critical life-safety standby lighting requirements. A test switch/indicator button is installed in the housing for ease of visibility and maintenance.

Controls

- Available with AirLink™ Blue. AirLink Blue (ALB) is a low-power wireless Bluetooth mesh control system. ALB provides significant energy savings while ensuring code compliance and security. The integrated fixture sensor module can control multiple luminaires based on motion or daylight and events can be scheduled based on time of day or an astronomical clock.
- Available with 3rd party controls. Check out the ordering guide for compatibility.
- Tunable White powered by LSI Airlink™ Blue offers wireless digital CCT tuning between 2700K and 6500K. Tunable White technology provides ultimate flexibility and control to the end user and future-proofs any space.
- Stand-alone integral passive infrared sensor (IMS1) enables motion and daylight sensing. Optional IR remote (REM-SOLO) makes configuration changes easy.

- LSI AirLink™ controls featuring Lutron Clear Connect makes each luminaire controllable, creating a wireless communication network with other AirLink™ control devices such as dimmers, switches, occupancy sensors and photocontrols. The integrated sensor is both a passive infrared motion detector and daylight harvester.

Installation

- Luminaire installs by lifting it through grid ceiling and resting it on the T-bars.
- Luminaire installs onto standard 15/16" and narrow 9/16" T-grid ceiling systems.
- An accessory flange kit is available for installing into drywall or plaster.

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(R) 1598 and UL(R) 8750.
- Meets Buy American Act (BAA) requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- IC Rated for direct contact with building insulation.
- Suitable For Damp Locations.
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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Type: _____

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

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: LPASC14 LED 75L UNV DIM1 TW ALBC U					
Prefix	Light Source	Lumen Package	Voltage	Driver	Color Temperature
LPASC14 - (1x4)	LED	20L - 2,000 25L - 2,500 30L - 3,000 35L - 3,500 40L - 4,000 45L - 4,500 50L - 5,000 55L - 5,500 65L - 6,500 70L - 7,000 75L - 7,500 80L - 8,000 Custom Lumen Packages ¹	UNV - 120 - 277VAC HV - 347-480VAC ¹	DIM1 - Dims to 1% (0-10 volt dimming) ¹ LDE1 - Hi-Lume 1% (with Soft on Fade to Black) ¹ L3D - Lutron Hi-Lume 1% ¹ SR - Sensor Ready ^{5,5}	30 - 3000K ^{3,4} 35 - 3500K 40 - 4000K 50 - 5000K
Controls				Options	Packaging
Blank - No Controls IMS1 - Integral PIR Motion and Daylight Sensor ALBCSD - Integrated AirLink™ Blue Wireless Motion and Daylight Harvesting Sensor WSCS - Wattstopper LMFS-601 Integrated Wireless PIR Motion/Daylight Sensor AVC - Avi-on LVFA Integrated Wireless Controller Single Channel AVCM - Avi-on IFA Integrated Wireless Controller 5 Amp 120-277VAC ALDCS - AirLink/Lutron Integral Fixture Control with Motion and Daylighting Sensing ALDC - AirLink/Lutron Integral Fixture Control (RF only)				EM10 - 10 Watt Emergency Battery Backup FC1 - 6' 3/8" (3) #18 Leads (For use in Non-Dimming Applications) FC15D - 6' 3/8" (5) #18 Leads (For use in Dimming Applications) FC16DEM - 6' 3/8" (6) #18 Leads (For use in Dimming & EM Applications) 90C - 90 CRI ^{3,4} AR - Air Return CPL - Chicago Plenum	U - Single Pack



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

Have additional questions?
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ACCESSORY ORDERING INFORMATION

Part Number	Description
FK14	Flange Kit 1x4
REM-SOLO	IR remote configuration tool for IMS1
772275	SMK14 - 1x4 Surface Mount Kit

CONTROLS ORDERING INFORMATION (Order As Separate Catalog Number)

Part Number	Order Number	Description
624094	-	Wireless Occupancy Sensor 360° 400 ft, Ceiling Mount ²
632617	-	Wireless Occupancy Sensor 180° 3000 ft, Wall Mount ²
624096	-	Wireless Occupancy Sensor 90° 2500 ft, Corner Mount ²
632620	-	Wireless Occupancy Sensor, Hallway 150 ft Length
6241032	ALWS 3B-(color)-KIT	Wireless Switches, On/Off & Raise Lower ²
624090	ALCM-W-PC	Wireless Photocell Controls, On/Off & Dimming
634574	-	Commission Laser Kit (See Laser Warnings)

1 Not available with ALDCS Control option.
 2 Consult factory for other colors.
 3 Consult Factory for lead times.
 4 Consult factory for DLC qualification information.

5 Required with ALDCS Control option.
 6 Custom lumen packages available, please consult factory. Values are within industry standard tolerances and not DLC listed.
 7 Only available with 120-277VAC input.

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PERFORMANCE

Delivered Lumens ¹									
Lumen Package	3000K CCT		3500K CCT		4000K CCT		5000K CCT		Wattage
	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
20L	1,946	119.4	1,963	120.4	2,018	123.8	2,152	132.0	16.3
25L	2,435	120.0	2,457	121.0	2,526	124.4	2,694	132.7	20.3
30L	2,892	120.5	2,918	121.6	3,000	125.0	3,199	133.3	24.0
35L	3,381	119.9	3,411	121.0	3,507	124.4	3,740	132.6	28.2
40L	3,890	119.0	3,925	120.0	4,035	123.4	4,303	131.6	32.7
45L	4,358	125.6	4,397	126.7	4,520	130.3	4,820	138.9	34.7
50L	4,887	124.0	4,931	125.1	5,069	128.7	5,406	137.2	39.4
55L	5,373	123.5	5,421	124.6	5,573	128.1	5,943	136.6	43.5
60L	5,794	122.5	5,846	123.6	6,010	127.1	6,409	135.5	47.3
65L	6,284	122.3	6,340	123.4	6,518	126.8	6,951	135.2	51.4
70L	6,819	120.5	6,880	121.6	7,073	125.0	7,543	133.3	56.6
75L	7,280	119.7	7,345	120.8	7,551	124.2	8,052	132.4	60.8
80L	7,510	118.5	7,578	119.5	7,790	122.9	8,307	131.0	63.4

Electrical Data - Current Draw AMPS ²						
Lumen Package	Watts	120V	208V	240V	277V	347V
20L	16.3	0.136	0.078	0.068	0.059	0.047
25L	20.3	0.169	0.098	0.085	0.073	0.059
30L	24.0	0.200	0.115	0.100	0.087	0.069
35L	28.2	0.235	0.136	0.118	0.102	0.081
40L	32.7	0.273	0.157	0.136	0.118	0.094
45L	34.7	0.289	0.167	0.145	0.125	0.100
50L	39.4	0.328	0.189	0.164	0.142	0.114
55L	43.5	0.363	0.209	0.181	0.157	0.125
60L	47.3	0.394	0.227	0.197	0.171	0.136
65L	51.4	0.428	0.247	0.214	0.186	0.148
70L	56.6	0.472	0.272	0.236	0.204	0.163
75L	60.8	0.507	0.292	0.253	0.219	0.175
80L	63.4	0.528	0.305	0.264	0.229	0.183

Electrical Data - Current Draw AMPS - Tunable White ²							
Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
75L	63	0.53	0.3	0.26	0.23	0.16	0.12

Recommended Lumen Maintenance ³					
Ambient Temperature °C	Initial ⁴	25K hrs. ⁴	50K hrs. ⁴	75K hrs. ⁵	100K hrs. ⁵
25	100%	94.49%	91.48%	88.47%	85.56%

Recommended Lumen Maintenance - Tunable White ³					
Ambient Temperature °C	Initial ⁴	25K hrs. ⁴	50K hrs. ⁴	75K hrs. ⁵	100K hrs. ⁵
25	100%	95%	91%	87%	83%

Scaling Factors - Tunable White		
CCT	Lumens	Wattage
2700K	0.95	1.05
3000K	0.97	1.02
3500K	0.99	1.01
4000K	1.00	1.00
5000K	1.00	1.01
6500K	0.98	1.05

1 LED Chips are frequently updated therefore values are nominal.

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

3 Lumen maintenance values at 25 °C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.

4 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip).

5 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip).

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PHOTOMETRICS

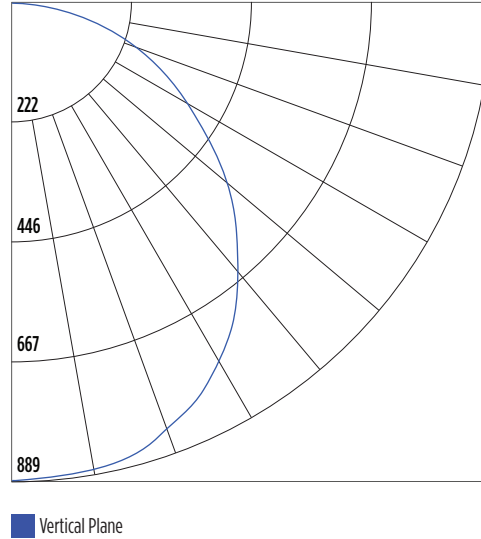
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

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

LPASC14 LED 30L 40

Zonal lumen summary		
Zone	Lumens	% Luminaire
0-20	327.6	10.8
0-30	712.9	23.5
0-40	1,199.4	39.6
0-60	2,242.9	74.0
0-80	2,945.6	97.2
0-90	3,030.7	100.0
10-90	2,947.5	97.3
20-40	871.7	28.8
20-50	1,403.4	46.3
40-70	1,468.7	48.5
60-80	702.7	23.2
70-80	277.5	9.2
80-90	85.1	2.8
90-180	0	0
0-180	3,030.7	100

Polar Curve

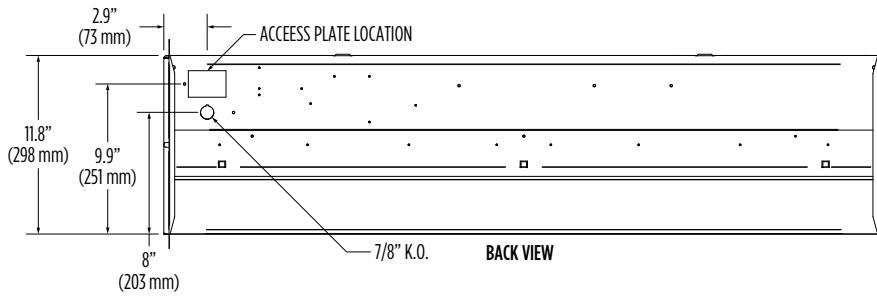
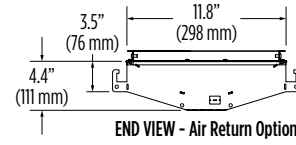
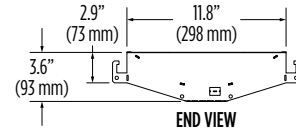
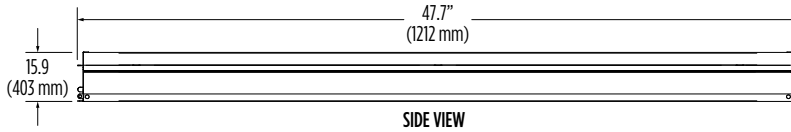


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DIMENSIONS



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CONTROLS

AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/ Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple