



Low Profile Troffer 2x4 (LPASC24)

Recessed Narrow-Lens



OVERVIEW	
Lumen Range (lm)	2,900 - 9,250
CCT (K)	3000, 3500, 4000, 5000, Tunable White
Wattage Range (W)	25 - 75
Efficacy Range (LPW)	119 - 136
Weight lbs (kg)	21.5 (9.7)

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: LPASC24 LED 80L UNV DIM1 TW ALBC U					
Prefix	Light Source	Lumen Package	Voltage	Driver	Color Temperature
LPASC24 - (2x4)	LED	30L - 3,000 35L - 3,500 40L - 4,000 48L - 4,800 55L - 5,500 60L - 6,000 65L - 6,500 72L - 7,200 80L - 8,000 85L - 8,500 90L - 9,000 Custom Lumen Packages ⁴	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? Call us at (800) 436-7800 			

ACCESSORY ORDERING INFORMATION

Part Number	Description
FK24	Flange Kit 2x4
REM-SOLO	IR remote configuration tool for IMS1
772278	SMK24 - 2x4 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							
30L	2,935	119.3	3,039	123.5	3,044	123.7	3,227	131.2	24.6
35L	3,411	118.0	3,532	122.2	3,538	122.4	3,751	129.8	28.9
40L	3,929	123.5	4,068	127.9	4,075	128.1	4,320	135.9	31.8
48L	4,686	122.0	4,852	126.4	4,860	126.6	5,153	134.2	38.4
55L	5,370	121.5	5,561	125.8	5,570	126.0	5,905	133.6	44.2
60L	5,842	120.7	6,050	125.0	6,060	125.2	6,425	132.7	48.4
65L	6,307	119.9	6,531	124.2	6,542	124.4	6,936	131.9	52.6
72L	7,037	118.1	7,287	122.3	7,299	122.5	7,739	129.8	59.6
80L	7,748	116.5	8,023	120.6	8,036	120.8	8,520	128.1	66.5
85L	7,962	114.0	8,350	120.0	8,537	122.0	8,764	126.0	70.0
90L	8,406	113.0	8,816	118.0	9,013	121.0	9,252	124.0	75.0

Electrical Data - Current Draw AMPS ²						
Lumen Package	Watts	120V	208V	240V	277V	347V
30L	24.6	0.205	0.118	0.103	0.089	0.071
35L	28.9	0.241	0.139	0.120	0.104	0.083
40L	31.8	0.265	0.153	0.133	0.115	0.092
48L	38.4	0.320	0.185	0.160	0.139	0.111
55L	44.2	0.368	0.213	0.184	0.160	0.127
60L	48.4	0.403	0.233	0.202	0.175	0.139
65L	52.6	0.438	0.253	0.219	0.190	0.152
72L	59.6	0.497	0.287	0.248	0.215	0.172
80L	66.5	0.554	0.320	0.277	0.240	0.192
85L	70.0	0.600	0.300	0.300	0.300	0.200
90L	75.0	0.600	0.400	0.300	0.300	0.200

Electrical Data - Current Draw AMPS - Tunable White ²							
Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
80L	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%	95.21%	92.70%	90.26%	87.89%

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

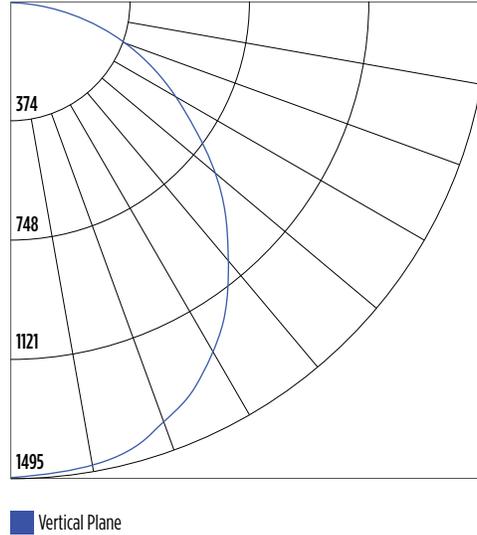
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

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	545.40	0.11
0-30	1,174.90	0.24
0-40	1,950.00	0.40
0-60	3,544.10	0.73
0-80	4,665.20	0.96
0-90	4,860.30	1.00
10-90	4,721.00	0.97
20-40	1,404.50	0.29
20-50	2,226.80	0.46
40-70	2,240.10	0.46
60-80	1,121.00	0.23
70-80	475.10	0.10
80-90	195.10	0.04
90-180	0.00	0.00
0-180	4,860.30	100.00

Polar Curve

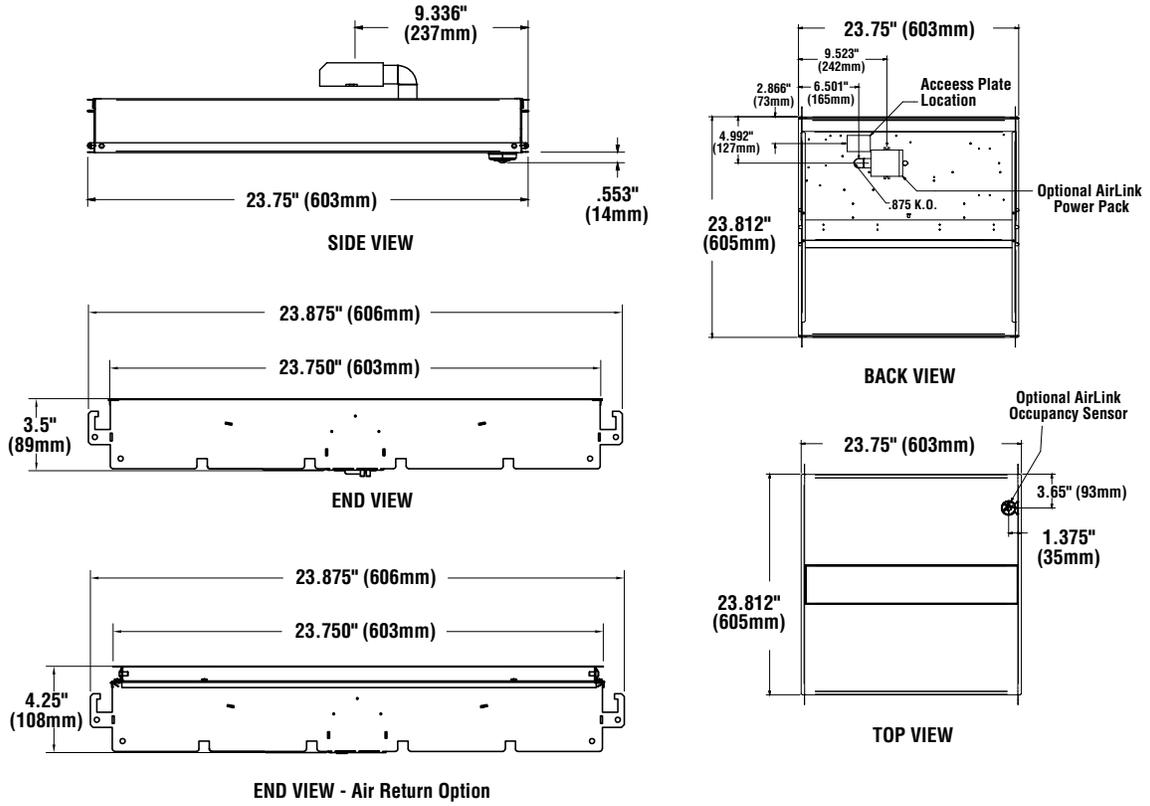


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DIMENSIONS



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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