



# Direct/Indirect Double Basket Troffer (ASC)

## LED High Efficiency, Expansive Cavity Recessed



### OVERVIEW

Lumen Range (lm)	3,000 - 9,000
CCT (K)	3500, 4000, 5000
Wattage Range	23 - 73
Efficacy Range (LPW)	127 - 148
Weight lbs (kg)	2x2 - 10 (4.5) 2x4 - 18 (8.2)

### QUICK LINKS

## FEATURES & SPECIFICATIONS

### Construction

- Available in 2'x4' and 2'x2' form factors.
- Formed code-gauge steel housing, painted after fabrication.
- Integral NEC compliant earthquake clips are standard.
- All metal parts are painted after fabrication following treatment with phosphate rust inhibitor.
- Finish coating of housing reflecting surfaces is with high-reflectance (minimum 92%) matte white polyester powder.

### Optical System

- Available in 5000K, 4000K, and 3500K CCT.
- Minimum CRI of 80.
- Matte white reflectors for soft indirect light distribution.
- Specially designed frosted extruded acrylic lens for maximum source diffusion and soft, even illumination.
- Use of closely spaced medium-power, high brightness chips provide uniform lens luminance with no dead spots.

### Electrical

- L80 calculated life: >100k Hours
- Standard universal voltage (120-277 VAC) input 50/60 Hz.

- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- 0-10 volt dimming (1% - 100%) standard.
- Power factor (PF) > 0.95
- Total harmonic distribution (THD): < 20%
- Class A sound rating.
- Optional 120v-277v integral emergency battery pack is available to meet critical life safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance.

### Controls

- Available with AirLink™ Blue. AirLink™ Blue (ALB) is a wireless networked lighting control system. AirLink™ Blue, with technology partner Silvar, incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim.
- The optional AirLink™ Blue fixture controller (ALBC) is used to dim the fixture based on motion or daylight levels continually monitored by external ALB sensors.

### Installation

- Unit simply lifts through grid ceiling and rests on T-bars.
- Wiring access/strain relief plate attaches with two screws, allowing connections to be made from below the ceiling.

### 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.
- Title 24 Compliant; see local ordinance for qualification information.

# Direct/Indirect Double Basket Troffer (ASC)

Type : \_\_\_\_\_

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

## ORDERING GUIDE

TYPICAL ORDER EXAMPLE: ASC22 LED 40L UNV DIM1 40 ALSCS							
Prefix	Light Source	Lumen Package <sup>1</sup>	Voltage	Driver	Color Temperature	Controls	Options
ASC22	LED	30L - 3,000lm 40L - 4,000lm	UNV - 120-277VAC 347 - 347VAC	DIM1 - 0-10 volt dimming (1%-100%)	35 - 3500K 40 - 4000K 50 - 5000K	Blank - 0-10V standard, 1% Dim to OFF  ALBC - Integral AirLink™ Blue Controller. Powered by Silvalir.  ALBCSD - AirLink™ Blue Motion and Daylight Sensor for Luminaire Level Lighting Control (LLC). Powered by Silvalir.  3PC - 3rd Party Controls. Contact Factory.	Blank - None  BB90 - Battery Backup 90 minutes at 1400L  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-) <sup>2</sup>  FC16DEM - 6-Conductor Flex Conduit (L, N, G, EM, DIM+, DIM-) <sup>2</sup>  90C - 90 CRI Minimum
ASC24		40L - 4,000lm 48L - 4,800lm 60L - 6,000lm 90L - 9,000lm					



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

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



## ACCESSORY ORDERING INFORMATION (Accessories Are Field Installed)

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

## PERFORMANCE

Delivered Lumens <sup>3</sup>								
Form Factor	Lumen Package	3500K		4000K		5000K		Wattage
		Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
ASC22	30L	3085	132	3036	130	3091	132	23
ASC22	40L	4099	128	4034	126	4106	128	32
ASC24	40L	4085	139	4021	137	4106	140	29
ASC24	48L	4718	147	4644	145	4742	148	32
ASC24	60L	6098	139	6002	136	6128	139	44
ASC24	90L	9244	127	9062	124	9098	125	73

Electrical Data - Current Draw AMPS <sup>4</sup>							
Form Factor	Lumen Package	Wattage	120V	208V	240V	277V	347V
ASC22	30L	23	0.20	0.11	0.10	0.08	0.07
ASC22	40L	32	0.27	0.15	0.13	0.12	0.09
ASC24	40L	29	0.25	0.14	0.12	0.11	0.08
ASC24	48L	32	0.27	0.15	0.13	0.12	0.09
ASC24	60L	44	0.37	0.21	0.18	0.16	0.13
ASC24	90L	73	0.61	0.35	0.30	0.26	0.21

Recommended Lumen Maintenance <sup>5</sup>					
Ambient Temp C	Initial <sup>6</sup>	25K hrs. <sup>6</sup>	50K hrs. <sup>6</sup>	75K hrs. <sup>7</sup>	100K hrs. <sup>7</sup>
0 C	100%	97%	93%	89%	86%
10 C	100%	97%	93%	89%	86%
20 C	100%	97%	93%	89%	85%
25 C	100%	97%	93%	88%	84%
30 C	100%	97%	92%	87%	84%
40 C	100%	96%	92%	86%	83%

1 Custom lumen and CCT packages available, please consult factory. Values are within industry-standard tolerances and not DLC listed.  
 2 Not available with AirLink™ controls.  
 3 LED Chips are frequently updated therefore values are nominal.  
 4 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

5 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.  
 6 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.  
 7 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.

# Direct/Indirect Double Basket Troffer (ASC)

Type: \_\_\_\_\_

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

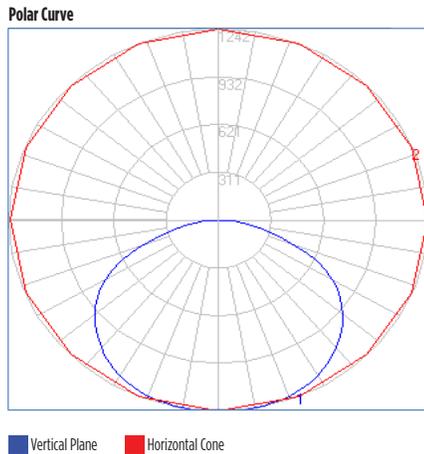
## PHOTOMETRICS

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.

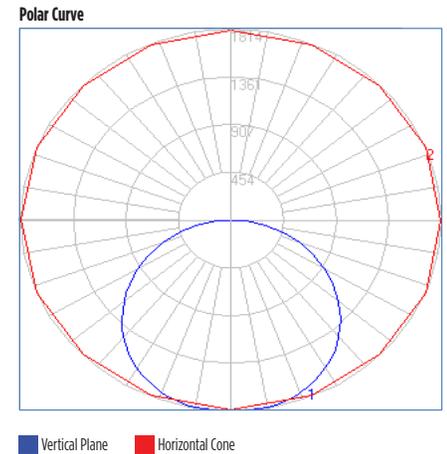
### ASC22-LED-40L-DIM1-40

Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-20	463.39	11.5
0-30	1002.94	24.9
0-40	1674.83	41.5
0-60	3086.43	76.5
0-80	3955.73	98.1
0-90	4033.56	100
10-90	3915.54	97.1
20-40	1211.44	30
20-50	1935.02	48
40-70	1963.64	48.7
60-80	869.3	21.6
70-80	317.26	7.9
80-90	77.82	1.9
90-110	0	0
90-120	0	0
90-130	0	0
90-150	0	0
90-180	0	0
110-180	0	0
0-180	4033.56	100



### ASC24-LED-60L-DIM1-40

Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-20	676.41	11.3
0-30	1463.61	24.4
0-40	2448.17	40.8
0-60	4542.56	75.7
0-80	5873.48	97.9
0-90	6001.81	100
10-90	5829.43	97.1
20-40	1771.76	29.5
20-50	2840.46	47.3
40-70	2929.12	48.8
60-80	1330.92	22.2
70-80	496.2	8.3
80-90	128.33	2.1
90-110	0	0
90-120	0	0
90-130	0	0
90-150	0	0
90-180	0	0
110-180	0	0
0-180	6001.81	100



CCT Proration	
CCT	Proration Factor
3500K	1.016
4000K	1.000
5000K	1.021

# Direct/Indirect Double Basket Troffer (ASC)

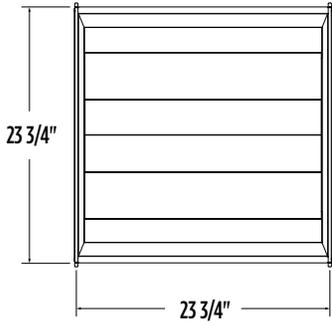
Type: \_\_\_\_\_

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

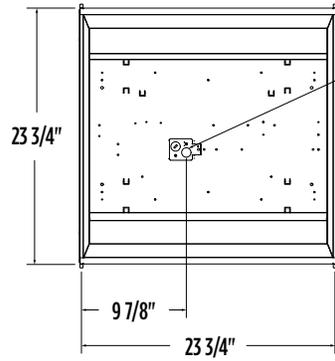
## PRODUCT DIMENSIONS

### ASC22

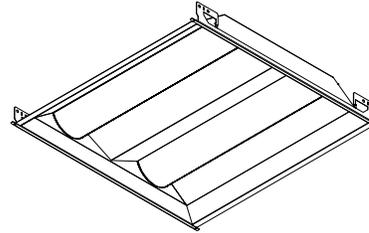
Top View



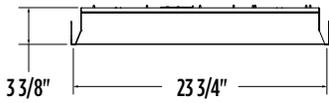
Back View



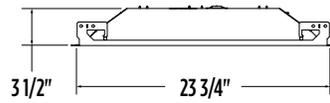
Access Plate with two 0.875" KOs.



Side View

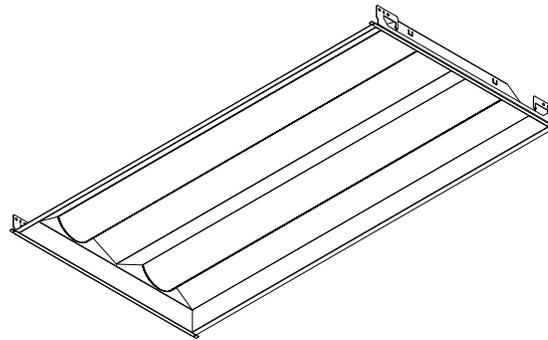
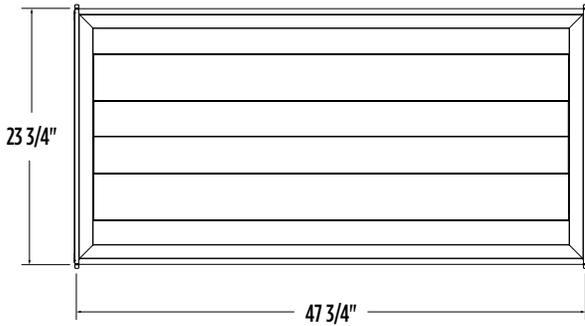


End View

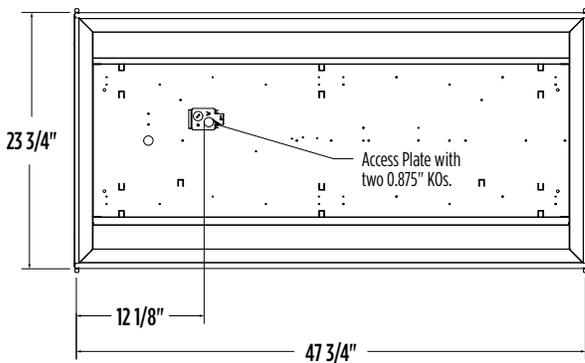


### ASC24

Top View

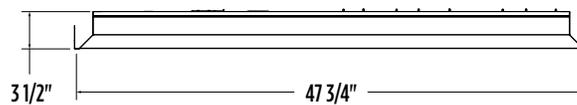


Back View



Access Plate with two 0.875" KOs.

Side View



End View

