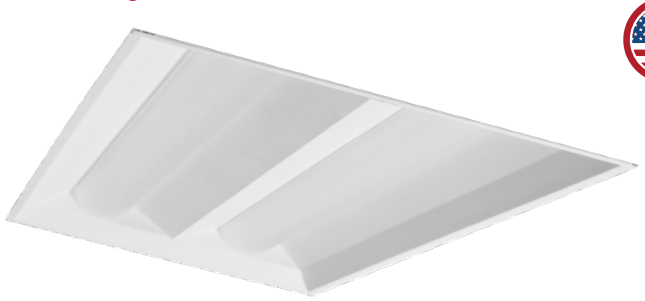
Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

Direct/Indirect Double Basket Troffer (ASC)

LED High Efficiency, Expansive Cavity Recessed

Dimmable | damp location | cULus LISTED | TITLE 24 COMPLIANT | BABAA COMPLIANT + BAA COMPLIANT



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

Ordering Guide | Performance | Dimensions

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 Silvair, 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.
- Suitable for Damp Locations.
- IC Rated for direct contact with building insulation.
- Title 24 Compliant; see local ordinance for qualification information.
- Buy American Act (BAA) and Build America, Buy America (BABAA) Compliant Fixture.
  - Compliance dependent on SKU and configuration. Confirm with factory.

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Type : _____

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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: ASC22 LED 40L UNV DIM1 40 ALSCS

Prefix	Light Source	Lumen Package[1]	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** - 3000K **40** - 4000K **50** - 5000K	**Blank** - 0-10V standard, 1% Dim to OFF **ALBC** - Integral AirLink™ Blue Controller. Powered by Silvair. **ALBCSD** - AirLink™ Blue Motion and Daylight Sensor for Luminaire Level Lighting Control (LLLC). Powered by Silvair. **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-)[2] **FC16DEM** - 6-Conductor Flex Conduit (L, N, G, EM, DIM+, DIM-)[2] **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?
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ACCESSORY ORDERING INFORMATION (Accessories Are Field Installed)

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

PERFORMANCE

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Delivered Lumens[3]

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[4]

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[5]

Ambient Temp C	Initial[6]	25K hrs.[6]	50K hrs.[6]	75K hrs.[7]	100K hrs.[7]
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.

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PHOTOMETRICS

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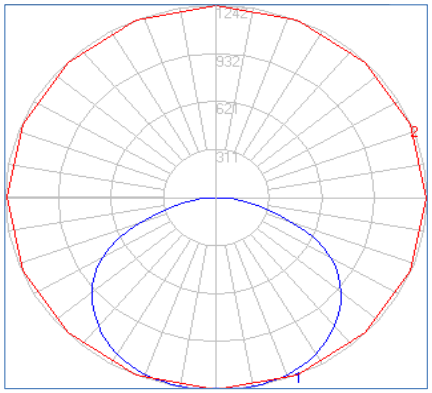
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

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

Polar Curve



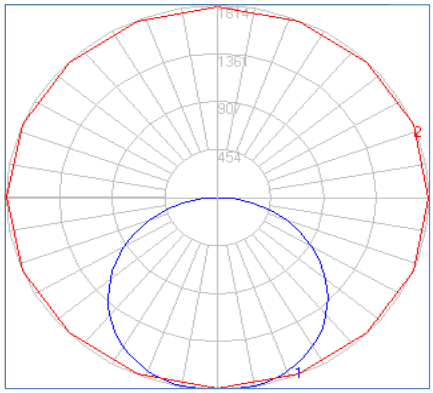
Vertical Plane Horizontal Cone

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

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

Polar Curve



Vertical Plane Horizontal Cone

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PRODUCT DIMENSIONS

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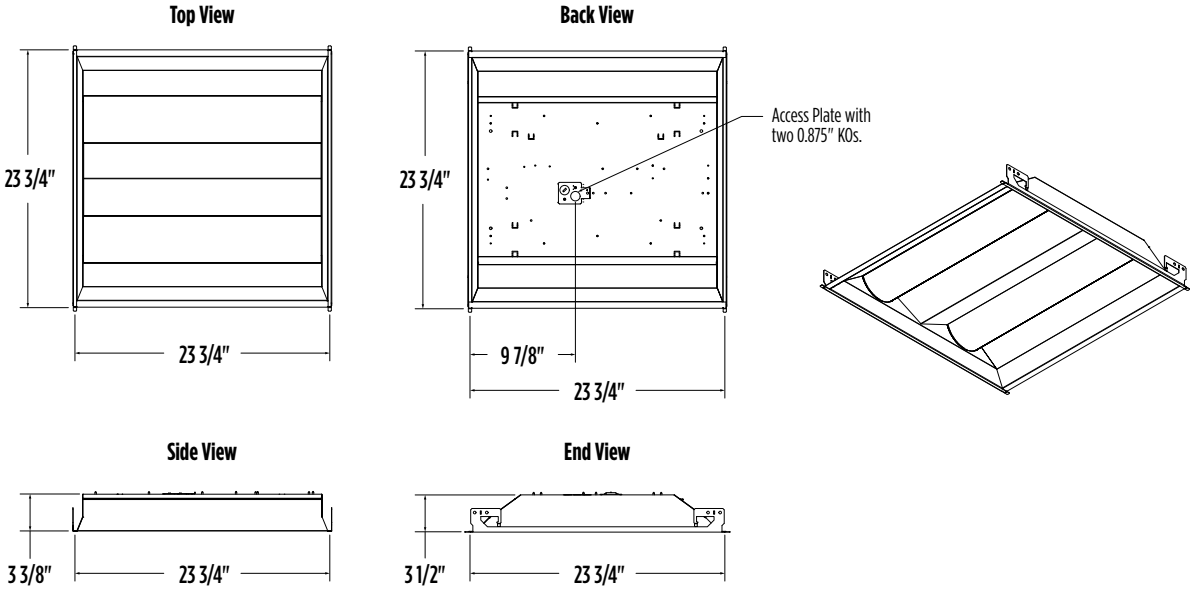
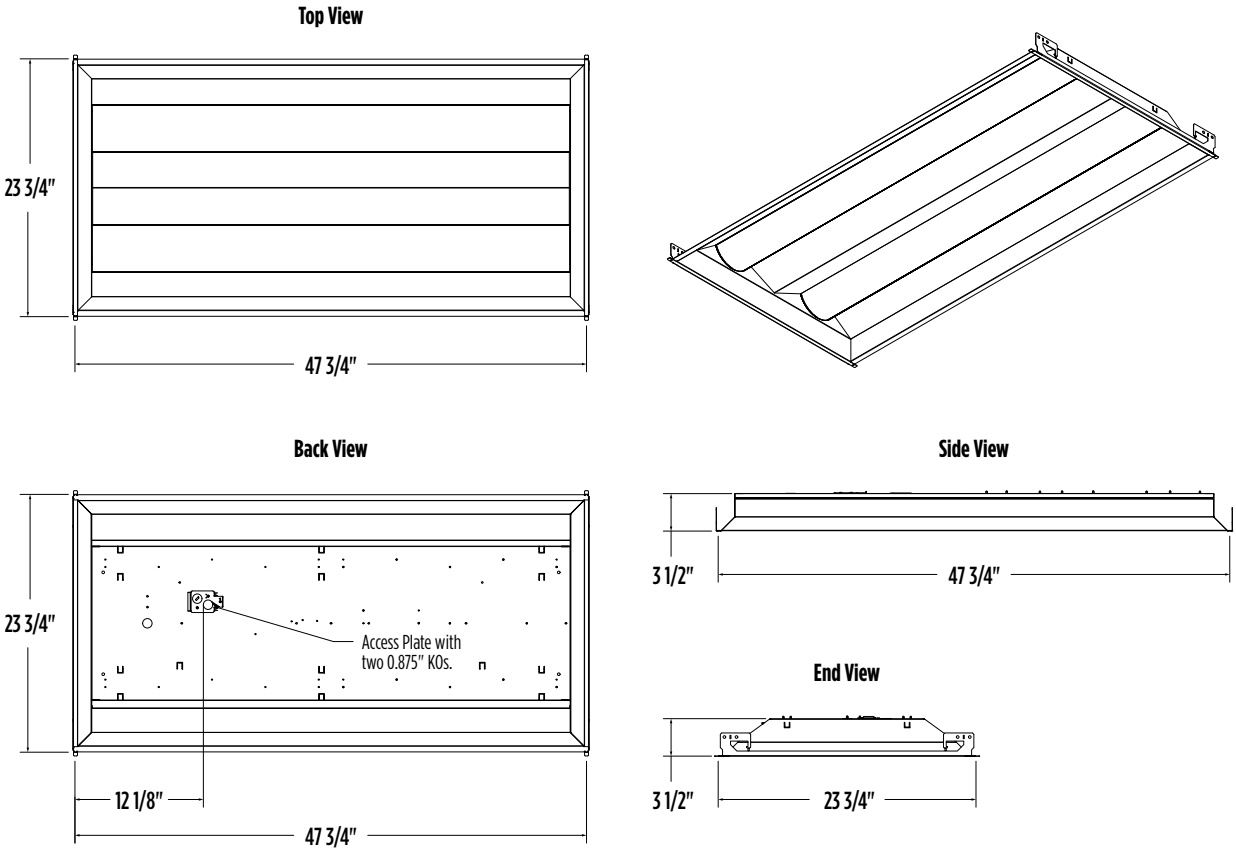
ASC22



ASC24



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