LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for damp/wet locations such as outdoor venues, canopies and locker rooms. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the FEX product family. **Certain airborne contaminants can diminish integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.

CONSTRUCTION

- Light Gray Polycarbonate housing
- Frosted Polycarbonate lens
- Poured in place polyurethane gasket
- Polycarbonate Latches, optional stainless steel latches available.
- Standard 1/2" wet location fitting

ELECTRICAL

- High Efficiency LEDs meet DLC Standard
- MVOLT (120-277V) & 347V
- 0–10V dimming standard for a dimming range of 100% to 10% (dim-to-off capable with compatible sensors).

Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015. For applications requiring higher level of protection additional surge protection must be provided.

INSTALLATION

- Surface (wall, ceiling) using standard brackets (301 stainless steel) includes bail for chain hanging
- Suspended (chain, cable) using standard brackets (301 stainless steel)

LISTINGS

- CSA Certified to UL & C-UL Standards for wet location
- IP65, IP66 rated per IEC60529
- NSF Splash zone rated
- FCC Title 47, Part 15 Subpart B compliant
- 2.5kV/0.75kA Surge Rated per ANSI C82-77-5-2015
- IK10 rated
- CSA Ambient Listings on Page 3
- Lumen Maintenance Listed on Page 3
- NEMA 4X

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.

GOVERNMENT PROCUREMENT

BAA – Buy American Act: This product is available in a version that qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS.
BABA – Build America Buy America: This product is available in a version that qualifies as produced in the United States under the definitions of the Build America, Buy America Act, as implemented by 2 C.F.R. Part 184 and other agency implementing regulations, including Department of Transportation regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Vapor Tight LED Strip Light

CSVT



design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.
*See ordering tree for details

CSVT Vapor Tight LED Strip Light

Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to www.contractorselect.com

A+ Capable options indicated by this color background.

Design Select options indicated by this color background.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: CSVT L48 6000LM LPPFL MD MVOLT GZ10 40K 80CRI

Series		Length		Lumen Output	
CSVT	Linear LED Vapor Tight	L24	24" ‡	2000LM	2,000 lumens ‡
				3000LM	3,000 lumens ‡
				4000LM	4,000 lumens ‡
				ALO30	Switchable lumens, 2000LM/3000LM/4000LM
		L48	48"	3000LM	3,000 lumens ‡
				4000LM	4,000 lumens ‡
				5000LM	5,000 lumens ‡
				6000LM	6,000 lumens ‡
				ALO3	Switchable lumens, 3000LM/4000LM/5000LM
		L96	96"	6000LM	6,000 lumens ‡
				8000LM	8,000 lumens ‡
				10000LM	10,000 lumens ‡
				12000LM	12,000 lumens ‡
				ALO4	Switchable lumens, 6000LM, 8000LM, 10000LM

Diffuser		Distribution		Voltage	
LPPFL	Polycarbonate, low profile frosted	MD	Medium distribution	MVOLT	120-277V
				UVOLT	120-347 ‡
				120	120V, utilizing MVOLT driver
				208	208V, utilizing MVOLT driver
				240	240V, utilizing MVOLT driver
				277	277V, utilizing MVOLT driver
				120U	120V, utilizing UVOLT driver ‡
				208U	208V, utilizing UVOLT driver ‡
				240U	240V, utilizing UVOLT driver ‡
				277U	277V, utilizing UVOLT driver ‡
				347U	347V, utilizing UVOLT driver ‡

Driver		Color temperature		Color rendering index	
GZ10	0-10V dimming	35K	3500K ‡	80CRI	80 CRI
		40K	4000K ‡		
		50K	5000K ‡		
		SWW3	Switchable white, 35K / 40K / 50K		

Options

STSL	Stainless steel latches
E7W	Emergency battery pack, 7W, Certified in CA Title 20 MAEDBS ‡
E10W	Emergency battery pack, 10W, Certified in CA Title 20 MAEDBS ‡
ETS	Emergency lighting control device for UL924 operation when using auxiliary generator or central inverter
WLFEND2	Wet location fitting (fittings out both ends) ‡
QMB	(2) Quick mount brackets (304SS)
BAA	Buy American Act and/or Build America Buy America Qualified

Cordsets:

CNP16WWL	Cord, no plug, 16 gauge, 3 conductors, white, wet locations, 6 feet, other lengths available ‡
CNP164CWWL	Cord, no plug, 16 gauge, 4 conductors for use with EM battery, white, wet locations, 6 feet, other lengths available
CNP165CWWL	Cord, no plug, 16 gauge, 5 conductors for use with ER controls or ETS device with 2 power sources, white, wet locations, 6 feet, other lengths available ‡
CNP165CDWWL	Cord, no plug, 16 gauge, 5 conductors for 0-10V dimming, white, wet locations, 6 feet, other lengths available ‡
CMCMBH16YWL	Cord with Brad Harrison Mini Change® male connector, nonmetallic coupling nut, 3 pole, 16 gauge, yellow, wet location, 6 feet, other lengths available ‡
MCRMBH16WL	Receptacle with Brad Harrison Mini Change® male connector, stainless steel coupling nut, 3 pole, 16 gauge leads, wet location ‡

Individual Controls ‡

SSE PIRKO	360° integral low mount motion sensor (standard on/off operation)
SSE PIRKO D 3V	360° integral low mount motion sensor with dimming (low trim set at 30%)
SSE PIRKO P	360° integral low mount motion sensor with photocell

nLight Wireless Controls ‡

NLTAIR2 APIRKO	nLight (wireless) gen 2 low mount occupancy & daylight sensor

NOTE: ‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart.

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‡ Option Value Ordering Restrictions	
Option value	**Restriction**
35K, 40K, 50K	Not available with ALO options.
2000LM, 3000LM, 4000LM, 5000LM, 6000LM, 8000LM, 10000LM, 12000LM	Not available with SWW3.
CMCMBH16YWL, MCRMBH16WL	Not available with E7W, E10W or ETS.
CNP16WWL, CNP16SCDWL	Not available with E7W, E10W or ETS.
CSVT STSL LATCH	Requires two for L96
E7W, E10W	Not available with L24, 347V or ETS.
Individual Controls	Not available with WLFEND2 option.
L24	Not available with E7W, E10W, Controls options, or WLFEND2.
nLight Wireless Controls	Not available with WLFEND2 option.
UVOLT, 120U, 208U, 240U, 277U, 347U	Available with ALO30, ALO3, and ALO4 only.
WLFEND2	Not available with cord set or sensor options. Not NEMA4X rated.

Accessories: *Order as separate catalog number.*

CSVT STSL LATCH	Stainless steel latch kit (Set of 10) ‡
CSVTRMBA	Angle mount bracket (QTY of 2) (316 stainless steel)
CSVTRMBU	Rigid mount U-bolt bracket (QTY of 2) (316 stainless steel)
CSVTRMBK	Rigid mount bracket (QTY of 2) (316 stainless steel)
CSVTSMB	Replacement standard mounting brackets (QTY of 2) (301 stainless steel)
CSVTQMB	Quick-mount ceiling bracket
MHCH36SS	36" stainless steel chain (QTY of 2)

EMBEDDED LUMINAIRE TECHNOLOGY GUIDE

Control Type	Sensor Nomenclature	Sensor Used (click on part number to link to sensor spec sheet)	Out of the box settings					Notes
			Unoccupied Time Until Dim/Off	Dim to Off Time Delay	Occupied Dim Level	Unoccupied Dim Level	Daylighting Set Point	
Sensor Switch Embedded Controls	SSE PIRXD	SBOR 10 OEX EB3 WH	10M	n/a	100%	0V	n/a	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off occupancy
	SSE PIRXD D 3V	SBOR 10 OEX D EB3 WH 2V	10M	2.5M	100%	30%	n/a	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, occupancy controlled dimming
	SSE PIRXD P	SBOR 10 OEX P EB3 WH	10M	n/a	100%	0V	5FC	360° Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off photocell
nLightAIR Embedded Controls	NLIAIR2 APIRXD	RSBOR 10 EB3 WH G2	7.5M	2.5M	100%	10%	50FC	nLight® air generation 2 360° low mount sensor, (8-15' heights), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app

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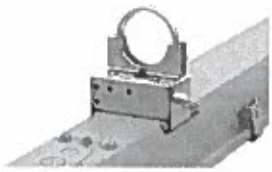
How to Estimate Delivered Lumens In Emergency Mode
Use the formula below to estimate the delivered lumens in emergency mode
Delivered Lumens = 1.25 x P x LPW
P = Output power of emergency driver. P = 10W for IE10WCPHE
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. The LPW rating is also available at Designlight Consortium.



Shown with CSVTRMBA
Bracket can be set to 22.5°, 45° or 90° angles.



Shown with CSVTSMB
(ships standard with fixture)



Shown with CSVTRMBU



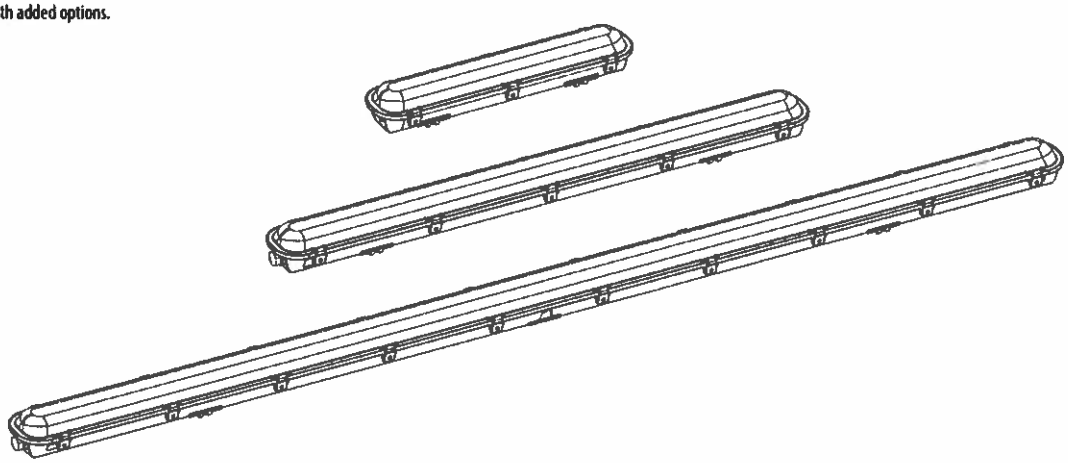
Shown with CSVTRMBK

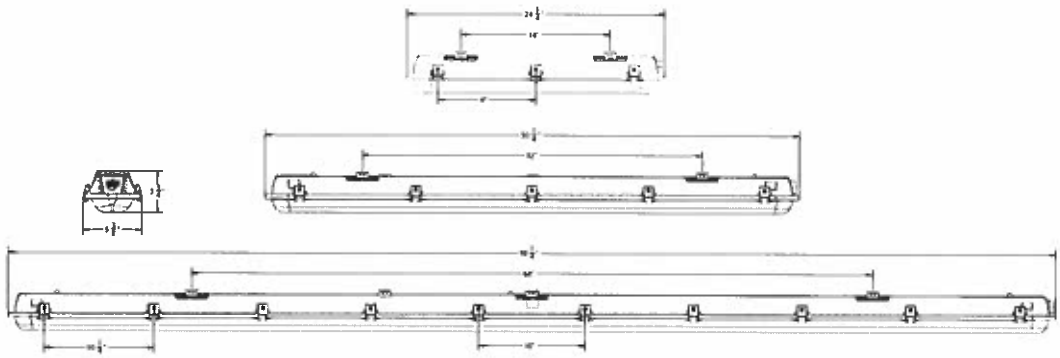
DIMENSIONS

All dimensions are shown in inches unless otherwise noted.

Length	Width	Height	Length	Approximate weight	Fixtures per pallet
L24	5.4	3.8	25	2lbs	70
L48	5.4	3.8	50.3	5 lbs	70
L96	5.4	3.8	98.3	10 lbs	70

*Weights will vary slightly with added options.





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OPERATIONAL DATA

LPPFL

Length	Package	Voltage	Input Watts	80CRI							
				3000 K		3500 K		4000 K		5000 K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
L24	2000LM	MVOLT	17	2281	135	2353	139	2476	146	2476	146
		UVOLT	17	2281	135	2353	139	2476	146	2476	146
		HVOLT	19	2281	119	2353	123	2476	130	2476	130
	3000LM	MVOLT	24	3177	130	3277	135	3448	142	3448	142
		UVOLT	24	3177	130	3277	135	3448	142	3448	142
		HVOLT	27	3177	116	3277	119	3448	126	3448	126
	4000LM	MVOLT	33	4286	129	4421	133	4652	140	4652	140
		UVOLT	33	4286	129	4421	133	4652	140	4652	140
		HVOLT	37	4286	115	4421	118	4652	124	4652	124
	ALO30 (2000LM)	MVOLT	17			2406	139	2492	148	2406	139
		UVOLT	17			2406	139	2492	148	2406	139
		HVOLT	17			2406	139	2492	148	2406	139
	ALO30 (3000LM)	MVOLT	27			3539	131	3744	144	3539	131
		UVOLT	27			3539	131	3744	144	3539	131
		HVOLT	27			3539	131	3744	144	3539	131
	ALO30 (4000LM)	MVOLT	32			3902	123	4321	142	3959	125
		UVOLT	32			3902	123	4321	142	3959	125
		HVOLT	32			3902	123	4321	142	3959	125
L48	3000LM	MVOLT	25	3215	130	3299	133	3397	137	3397	137
		UVOLT	25	3215	130	3299	133	3397	137	3397	137
		HVOLT	28	3215	115	3299	118	3397	122	3397	122
	4000LM	MVOLT	34	4200	125	4311	129	4438	132	4438	132
		UVOLT	34	4200	125	4311	129	4438	132	4438	132
		HVOLT	38	4200	111	4311	114	4438	118	4438	118
	5000LM	MVOLT	38	4744	125	4869	128	5012	132	5012	132
		UVOLT	38	4744	125	4869	128	5012	132	5012	132
		HVOLT	40	4744	117	4869	120	5012	124	5012	124
	6000LM	MVOLT	53	6292	119	6457	122	6648	126	6648	126
		UVOLT	53	6292	119	6457	122	6648	126	6648	126
		HVOLT	55	6292	111	6457	114	6648	118	6648	118
	ALO3 (3000LM)	MVOLT	24			3148	137	3299	142	3124	129
		UVOLT	24			3148	137	3299	142	3124	129
		HVOLT	24			3148	137	3299	142	3124	129
	ALO3 (4000LM)	MVOLT	33			4011	127	4276	137	3977	119
		UVOLT	33			4011	127	4276	137	3977	119
		HVOLT	33			4011	127	4276	137	3977	119
	ALO3 (5000LM)	MVOLT	44			4839	114	5070	124	4790	108
		UVOLT	44			4839	114	5070	124	4790	108
		HVOLT	44			4839	114	5070	124	4790	108
L96	6000LM	MVOLT	50	6430	130	6599	133	6793	137	6793	137
		UVOLT	50	6430	130	6599	133	6793	137	6793	137
		HVOLT	50	6430	114	6599	117	6793	121	6793	121
	8000LM	MVOLT	67	8400	125	8621	129	8876	132	8876	132
		UVOLT	67	8400	125	8621	129	8876	132	8876	132
		HVOLT	67	8400	110	8621	113	8876	117	8876	117
	10000LM	MVOLT	76	9488	125	9737	128	10025	132	10025	132
		UVOLT	76	9488	125	9737	128	10025	132	10025	132
		HVOLT	76	9488	117	9737	120	10025	124	10025	124
	12000LM	MVOLT	106	12584	119	12914	122	13296	126	13296	126
		UVOLT	106	12584	119	12914	122	13296	126	13296	126
		HVOLT	106	12584	115	12914	118	13296	122	13296	122
	ALO4 (6000LM)	MVOLT	48			6295	137	6598	142	6249	129
		UVOLT	48			6295	137	6598	142	6249	129
		HVOLT	48			6295	137	6598	142	6249	129
	ALO4 (8000LM)	MVOLT	67			8022	127	8552	137	7954	119
		UVOLT	67			8022	127	8552	137	7954	119
		HVOLT	67			8022	127	8552	137	7954	119
	ALO4 (10000LM)	MVOLT	89			9678	114	10140	124	9579	108
		UVOLT	89			9678	114	10140	124	9579	108
		HVOLT	89			9678	114	10140	124	9579	108

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PROJECTED LUMEN MAINTENANCE			
Lumen Maintenance Factor	0.91	0.81	0.75
Operating Hours	40,000	90,000	120,000

*Actual performance may vary based on ambient temperature of installed location.

Ambient Temperature Ratings

Fixture Length	Lumen Package	Temperature rating	Temperature rating with IE7WC
L24	2000LM	-40° C - 45° C	0° C to 30° C
	3000LM	-40° C - 45° C	0° C to 30° C
	4000LM	-40° C - 45° C	0° C to 30° C
	ALO30	-40° C - 45° C	0° C to 30° C
L48	3000LM	-40° C - 45° C	0° C to 30° C
	4000LM	-40° C - 45° C	0° C to 30° C
	5000LM	-40° C - 45° C	0° C to 30° C
	6000LM	-40° C - 45° C	0° C to 30° C
	ALO3	-40° C - 45° C	0° C to 30° C
L96	6000LM	-40° C - 30° C	0° C to 30° C
	8000LM	-40° C - 30° C	0° C to 30° C
	1000LM0	-40° C - 30° C	0° C to 30° C
	12000LM	-40° C - 30° C	0° C to 30° C

Number of Boards and Drivers

Fixture length	Lumen package	Driver QTY	Board QTY
L24	2000LM	1	1
	3000LM	1	1
	4000LM	1	1
	ALO30	1	1
L48	3000LM	1	1
	4000LM	1	1
	5000LM	1	1
	6000LM	1	1
	ALO3	1	1
L96	6000LM	1	2
	8000LM	1	2
	1000LM0	2	2
	12000LM	2	2
	ALO4	1	2

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