

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Available in several color temperatures, lumen packages and lengths. Ideal for use in commercial, retail, office, warehouse and display applications. **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** — Compact-design channel and cover are formed from code compliant, 22 gauge cold-rolled steel.

**SENSOR SWITCH JUST ONE TOUCH TECHNOLOGY** — Single room control wireless technology available for easy install and commissioning to aid in code compliance. The JOT option enables the fixture with Just One Touch pairing capability. The JOTVIX15 option features a luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space.

**SENSOR SWITCH VISIBLE LIGHT PROGRAMMING TECHNOLOGY** — Standalone sensor programming via VLP mobile app and smart device's camera flash from up to 8ft away.

**FINISH** — High-gloss, baked white enamel (standard).

**OPTICS** — LEDs provide 80+ color rendering index (CRI) at 3500K, 4000K and 5000K. Diffuse acrylic lens with ultra-sonically welded end caps provides smooth, linear illumination.

**ELECTRICAL** — 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.

Driver is standard 0-10V dimming class 2.

Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR\_ ordering information on page 5.)

**INSTALLATION** — Fixture may be surface or suspension mounted with appropriate mounting options (see accessories). Easy to install row aligner bracket included for continuous row mounting.

**LISTINGS** — CSA certified to US and Canadian safety standards and listed suitable for damp locations. Minimum starting temperature of -22°F (-30°C). Maximum ambient operating temperature of 104°F (40°C) for 4ft models and 95°F (35°C) for 2ft & 8ft models. See notes for controls temperature restrictions.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

Suitable for use within closet spaces when installed per NEC 410.16 (A)(1) and 410.16(C)(3)(5) spacing requirements.

**BUY AMERICAN ACT** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to [www.acuitybrands.com/buy-american](http://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](http://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.

Catalog Number
Notes
Type

LED Strip Light

CSS



### 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](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

# CSS LED Strip Light

**CS** Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to [www.contractorselect.com](http://www.contractorselect.com)

**ORDERING INFORMATION** Lead times will vary depending on options selected. Consult with your sales representative. **Example:** CSS L96 ALO4 MVOLT SWW3 80CRI

Series	Nominal Length	Lumen Output	Voltage	Color temperature	Color rendering index
CSS Contractor Single Strip LED	L24 ‡ 22"	2000LM 2000 Lumens ‡ ALO15 Switchable lumens, 1500LM / 2000LM / 2500LM	MVOLT 120-277V UVOLT 120-347V ‡	35K 3500K ‡ 40K 4000K ‡ 50K 5000K ‡ SWW3 Switchable white, 35K / 40K / 50K	80CRI 80 CRI
	L48 48"	4000LM 4000 Lumens ‡ ALO3 Switchable lumens, 3000LM / 4000LM / 5000LM			
	L96 96"	8000LM 8000 Lumens ‡ ALO4 Switchable lumens, 6000LM / 8000LM / 10000LM			

Options	
<b>Emergency Battery: ‡</b>	<b>VLP Enabled Controls: ‡</b>
IE7WCP Emergency battery pack, 7W, CA Title 20 Noncompliant	VTX15FADC Vertex sensor with Visible Light Programming; On/Off Occupancy with Auto Dimming Photocell (default)
IE10WCPHE Emergency battery pack, 10W, Certified in CA Title 20 MAEDBS	VTX15FANL Vertex sensor with Visible Light Programming; High/Low/(Off) Occupancy Dimming with Auto Dimming Photocell (default)
<b>Plug-in Wiring: ‡</b>	<b>Individual Controls: ‡</b>
PLR__ Plug-in wiring, see page 5 for ordering information	SFR30CSS Factory installed 360°, large motion, high bay sensor, SFR 30
PLR1LVG Plug-in wiring, low voltage dimming	SFR7CSS Factory installed 360°, small motion, low bay sensor, SFR 7 ‡
<b>JOT Enabled Wireless Controls: ‡</b>	<b>Wire Guard (ships separately):</b>
JOT Wireless room control with "Just One Touch" pairing	WG Wire Guard ‡
JOTVTX15 Wireless occupancy sensor with "Just One Touch" pairing	

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

Switchable White & Adjustable Lumen Output – BAA Compliant:
CSS L48 ALO3 MVOLT SWW3 80CRI BAA
CSS L96 ALO4 MVOLT SWW3 80CRI BAA
CSS L48 ALO3 MVOLT SWW3 80CRI IE10WCPHE BAA
CSS L96 ALO4 MVOLT SWW3 80CRI IE10WCPHE BAA

Accessories: Order as separate catalog number.	
HC36 M12	Hanger chain, 36" (1 pair)
ZACVH M100	Adjustable 10' aircraft cable with Y hanger (1 pair)
SO_	Swivel stem hanger (specify length in 2" increments up to 48")
rPP20D	nLight® air dimming/switching module
SFR30CSS	Field installed 360°, large motion, high bay sensor, SFR 30 ‡
SFR7CSS	Field installed 360°, small motion, low bay sensor, SFR 7 ‡
Y J10	Y hanger in multiples of 10 (five pair)
WGSS	Wire Guard with Mounting hardware (one 4ft)
MNLK JBOXCVR M12	Junction box cover and hardware, white

‡ Option Value Ordering Restrictions	
Option value	Restriction
L24	Not available with IE7WCP, IE10WCPHE, JOT, JOTVTX15, VTX15FADC, VTX15FANL, SFR30CSS, SFR7CSS, WG.
35K, 40K, 50K	Not available with ALO lumen packages.
2000LM, 4000LM, 8000LM	Not available with SWW3.
Emergency Battery	Not available with PLR
JOT Enabled Controls	Not available with ALO3, ALO4, UVOLT or SWW3. Minimum starting temp of 14°F (-10°C). Maximum operating temp of L48 at 95°F (35°C) & L96 at 86°F (30°C). Controls contained in endcap.
VLP Enabled Sensors	Not available with ALO15, ALO3, ALO4, UVOLT or SWW3. See page 5 for default programming and coverage pattern information. Sensors contained in endcap.
SFR Sensors	Can only be mounted at the end of continuous row mount applications. On/off function only. Minimum starting temp of 14°F (-10°C). Sensors mount to end of fixture. 120-277V operation only. NOT for use on UVOLT fixtures operating at 347V.
Wire Guard	Does not cover SFR controls. Not recommended for use with endcap integrated JOT or VLP enabled controls due to potential detection obstruction.
PLR__ & PLR1LVG	Not available with Emergency or Controls. L24 only available with PLR1LVG.
UVOLT	Not available with JOT or VTX.
UVOLT/347	Not available with Emergency.
ILBHI CP10 HE SD A	High voltage emergency driver (347-480V). For use with UVOLT fixtures ONLY at 347V operation.

## ACCESSORY BATTERY PACKS - SUITABLE FOR FIELD INSTALLATION

\*\*\*Remote mount outside the fixture.\*\*\*

Battery Part Number	CA Title 20	Self Diagnostics
<a href="#">ILB CP10 A</a>	No	No
<a href="#">ILB CP10 HE A</a>	Yes	No
<a href="#">ILBLP CP10 HE SD A</a>	Yes	Yes
<a href="#">ILBHI CP10 HE SD A ‡</a>	Yes	Yes
<a href="#">LEM04 A</a>	Yes	No
<a href="#">LEM08 A</a>	Yes	No

**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.

## OPERATIONAL DATA

### MVOLT

Nominal Length	Nominal Lumen Package	Color Temperature	Delivered Lumens	Wattage	Lumens/Watt	
L24	2000 LM	4000K	2144	15.3	140	
	AL015 (1500LM)	3500K	1889	13.2	143	
		4000K	1872	13.0	144	
		5000K	1842	13.3	139	
	AL015 (2000LM)	3500K	2256	16.5	137	
		4000K	2386	16.1	148	
		5000K	2357	16.5	143	
	AL015 (2500LM)	3500K	2600	19.7	132	
		4000K	2757	19.0	145	
		5000K	2634	19.6	135	
	L48	4000 LM	4000K	4298	35.3	122
		AL03 (3000LM)	3500K	3708	27.3	136
4000K			3931	26.3	150	
5000K			3851	27.1	142	
AL03 (4000LM)		3500K	4732	36.2	131	
		4000K	5076	34.8	146	
		5000K	4896	36.2	135	
AL03 (5000LM)		3500K	5437	43.3	126	
		4000K	5884	41.5	142	
		5000K	5622	43.4	130	
L96		8000 LM	4000K	8596	72.0	119
		AL04 (6000LM)	3500K	6272	46.2	136
	4000K		6575	44.7	147	
	5000K		6510	46.1	141	
	AL04 (8000LM)	3500K	8173	64.1	128	
		4000K	8702	61.7	141	
		5000K	8450	64.5	131	
	AL04 (10000LM)	3500K	11089	90.4	123	
		4000K	12046	86.5	139	
		5000K	11437	90.8	126	

### UVOLT

Nominal Length	Nominal Lumen Package	Color Temperature	Delivered Lumens	Wattage	Lumens/Watt	
L24	2000 LM	4000K	2120	14.8	143	
	AL015 (1500LM)	3500K	1438	10.6	136	
		4000K	1464	10.3	142	
		5000K	1449	10.6	137	
	AL015 (2000LM)	3500K	1891	15.3	124	
		4000K	1961	14.9	131	
		5000K	1918	15.3	125	
	AL015 (2500LM)	3500K	2541	19.2	132	
		4000K	2654	18.7	142	
		5000K	2569	19.2	134	
	L48	4000 LM	4000K	4803	37.9	127
		AL03 (3000LM)	3500K	3501	25.7	136
4000K			3659	27.1	135	
5000K			3540	27.1	131	
AL03 (4000LM)		3500K	4435	34.5	129	
		4000K	4727	36.0	131	
		5000K	4521	36.0	126	
AL03 (5000LM)		3500K	5665	46.0	123	
		4000K	6109	43.7	140	
		5000K	5710	45.7	125	
L96		8000 LM	4000K	9606	75.8	127
		AL03 (6000LM)	3500K	6867	49.9	138
	4000K		7199	49.9	144	
	5000K		7128	49.9	143	
	AL03 (8000LM)	3500K	8736	65.3	134	
		4000K	9301	65.3	142	
		5000K	9032	65.3	138	
	AL03 (10000LM)	3500K	10989	90.9	121	
		4000K	11937	90.9	131	
		5000K	11333	90.9	125	

**Note:** All values are typical and are at 25C.  
Actual performance may vary and is dependent on operating environment.

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

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