

DIGITAL NAVIGATION

[Ordering Tree](#) [Sensor Switch AIR](#) [nLight Platform](#) [Performance Data](#) [Photometrics](#)

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 polycarbonate.**

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.

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

OPTICS — LEDs provide 80+ color rendering index (CRI) at 3500K, 4000K and 5000K. Diffuse polycarbonate 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 6.)

CONTROLS — **Networked Embedded Controls** — CSS is available with (wired or wireless) networked embedded controls by nLight®, addressing requirements of Luminaire Level Lighting Controls (LLLC). A wired nLight or wireless nLight AIR (sensor and/or control device) can be embedded within this luminaire.

CONTROLS — **Standalone Embedded Controls** — CSS is available with (wired or wireless) standalone embedded controls by SensorSwitch. A wired SensorSwitch or wireless SensorSwitch AIR (sensor and/or control device) can be embedded within this luminaire.

INSTALLATION — Fixture may be surface mounted to a ceiling or horizontal and vertical wall 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). Standard maximum ambient operating temperature of 113°F (40°C) for 4ft models and 95°F (35°C) for 2ft & 8ft models. See page 13 for complete ambient operating chart.

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 to confirm which versions are qualified.

Suitable for use within closet spaces when installed per NEC 410.16 spacing requirements.

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/resources/buy-american for additional information.

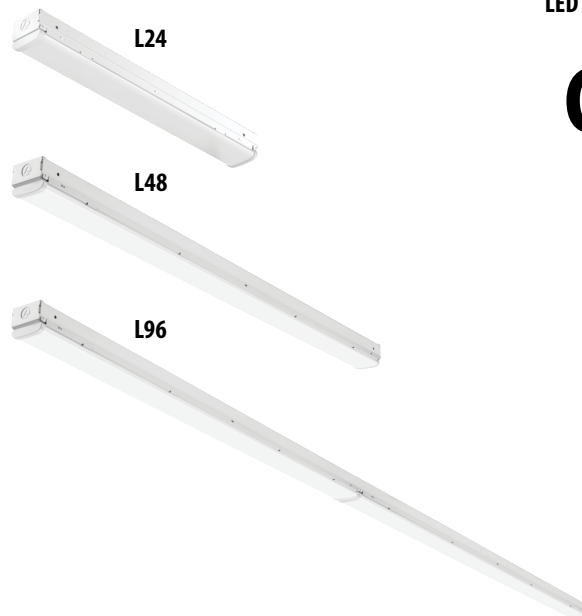
WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

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 when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.



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

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

ds Design Select options indicated by this color background.

ORDERING INFORMATION

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

Example: CSS L48 5000LM MVOLT MIN10 ZT 40K 80CRI

Series	Nominal Length	Lumen Output	Voltage	Min Dim Level	Dimming
CSS Contractor Single Strip LED	L24 ‡ 22"	1500LM 1500 Lumens	MVOLT 120-277V	MIN10 Dims to 10%	ZT LED Driver 0-10V ‡
		2000LM 2000 Lumens	UVOLT 120-347V ‡	MIN1 Dims to 1% ‡	ZC LED Driver compatible w/Controls ‡
		2500LM 2500 Lumens	120/277 120/277V*		EZC eldoLED LED Driver compatible w/Controls ‡
		AL015 Switchable lumens, 1500LM / 2000LM / 2500LM ‡	347 347V ‡		
	L48 48"	3000LM 3000 Lumens	* 120/277 is only available with SSE PIR and required for SSE PIR.		
		4000LM 4000 Lumens			
		5000LM 5000 Lumens			
		6000LM 6000 Lumens			
		7000LM 7000 Lumens			
		AL03 Switchable lumens, 3000LM / 4000LM / 5000LM ‡			
	L96 96"	6000LM 6000 Lumens			
		8000LM 8000 Lumens			
		10000LM 10000 Lumens			
		12000LM 12000 Lumens			
		14000LM 14000 Lumens			
		AL04 Switchable lumens, 6000LM / 8000LM / 10000LM ‡			

Color temperature	Color rendering index	Emergency Option	Plug-In Wiring Option	Finish
30K 3000K	80CRI 80 CRI	(blank) no battery	(blank) no wiring	(blank) Matte White, fixture finish
35K 3500K		E7W 7W Emergency battery pack, constant power, Certified in CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch (LINK) ‡	PLR___ Plug-in wiring ‡	
40K 4000K		E10W 10W Emergency battery pack, constant power, Certified in CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch (LINK) ‡	PLR1LVG Plug-in wiring, low voltage dimming ‡	MB Matte Black, fixture finish
50K 5000K				DNA Natural Aluminum, fixture finish
SWW3 Switchable white, 35K / 40K / 50K ‡		GTD Generator Transfer device ‡		

* See field installable battery options on page 6.

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

See controls option, accessories and ordering restrictions chart next page.

Controls Option			
Control Input		Sensor	
SSE	Sensor Switch Embedded ‡	PIR APIR APDT VPIR VAPIR	Factory installed On/Off motion sensor, 360° small motion ‡ Occ sensing with passive infrared - on/off functionality and auto dimming photocell Occ sensor dual tech (passive infrared & microphonics) and auto dimming photocell ‡ Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 15ft mounting height Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height ‡
SSAIR	Sensor Switch Air	(blank) VAPIR	No Sensor or Control Input function only, if selected. Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height ‡
NLIGHT NLIGHTER NLIGHTLM NLIGHTERLM	nLight enabled nLight enabled, for use with generator supply EM power nLight enabled with lumen management nLight enabled with lumen management, for use with generator supply EM power	(blank) PIR PDT APIR APDT	No sensor, Control Input function only Occ sensing with passive infrared - on/off functionality Occ sensor dual tech (passive infrared & microphonics) Occ sensing with passive infrared - on/off functionality and auto dimming photocell Occ sensor dual tech (passive infrared & microphonics) and auto dimming photocell
NLTAIR2 NLTAIREM2	nLight AIR Generation 2 (wireless) enabled nLight AIR Generation 2 (wireless) enabled and UL924 Emergency Operation, via power interrupt detection	(blank) APIR APDT VPIR	No sensor, Control Input function only Occ sensing with passive infrared - on/off functionality and auto dimming photocell Occ sensor dual tech (passive infrared & microphonics) and auto dimming photocell Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 15ft mounting height ‡

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

Switchable White & Adjustable Lumen Output – BAA Compliant:
CSS L48 ALO3 MVOLT MIN10 ZT SWW3 80CRI BAA CSS L96 ALO4 MVOLT MIN10 ZT SWW3 80CRI BAA CSS L96 ALO4 120/277 MIN10 ZT SWW3 80CRI SSE PIR BAA CSS L48 ALO3 MVOLT MIN10 ZT SWW3 80CRI E7W BAA CSS L48 ALO3 MVOLT MIN10 ZT SWW3 80CRI E10W BAA CSS L96 ALO4 MVOLT MIN10 ZT SWW3 80CRI E10W BAA CSS L48 ALO3 120/277 MIN10 ZT SWW3 80CRI E10W SSE PIR BAA CSS L96 ALO4 120/277 MIN10 ZT SWW3 80CRI E10W SSE PIR BAA

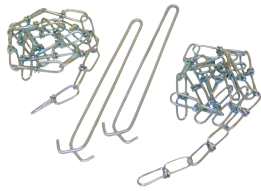
Accessories: Order as separate catalog number.		
Part Number	CI Code	Description
HC36 M12	*408275	Hanger chain, 36" (1 pair)
ZACVH M100	*209F4T	Adjustable 10' aircraft cable with Y hanger (1 pair)
rPP20D		nLight® air dimming/switching module
SFR7CSS	*266MA8	SSE PIR 120/277V field installed On/Off motion sensor, 360° small motion ‡
SFR7CSS 347	*290EM8	SSE PIR 347V field installed On/Off motion sensor, 360° small motion ‡
Y J10	*216289	Y hanger in multiples of 10 (five pair)
WGCSS	*2673N9	Wire Guard with Mounting hardware (one 4ft) ‡
MNLK JBOXCVR M12	*225TT9	Junction box cover and hardware, white
SQ_		Swivel stem hanger (specify length in 2" increments up to 48")
CSSTGRIDBRKT 15/16 INCH	*295RNE	T Grid bracket, 15/16 INCH
CSSTGRIDBRKT 9/16 INCH	*295RNX	T Grid bracket, 9/16 INCH
CSSTGRIDBRKT 1.56 INCH	*295RPO	T Grid bracket, 1.56 INCH
CSSTGRIDBRKT 1.67 INCH	*295RPA	T Grid bracket, 1.67 INCH
CSSTGRIDBRKT 2 INCH	*295RPC	T Grid bracket, 2 INCH
CSSTGRIDBRKT 2.76 INCH	*295RPH	T Grid bracket, 2.76 INCH
CSSANGBRKTWH	*295RN2	Angle bracket, White finish
CSSANGBRKTDNA	*295RN6	Angle bracket, Natural Aluminum finish
CSSANGBRKTMb	*295RNA	Angle bracket, Matte Black

‡ Option Value Ordering Restrictions	
Option value	Restriction
L24	Not available with GTD, any emergency battery, and or 347V with ZC or EZC.
ALO15, ALO3, ALO4, SWW3	Not available with static lumen packages or 30K, 35K, 40K, or 50K. Not available with controls except SSE PIR. Only available with ZT. Switchable fixtures ship standard on middle lumen and CCT setting.
MIN 1	Must be used for ZC or EZC.
E7W, E10W	Not available with L24. Not available with L48 7000LM with NLIGHT controls. Not available with PLR options. Not available with 347V or UVOLT. Not available with GTD.
GTD	Requires MVOLT, not available with any emergency battery. Not available with L96 14000LM ZC. Not available with SSE PIR.
VPIR and VAPIR	Requires EZC. Not available with GTD or UVOLT. See page 5 for default programming and coverage pattern information.
SSE PIR/ SFR7CSS/ SFR7CSS 347	Can only be mounted at the end of continuous row mount applications. On/off function only. Ensure correct sensor voltage. See page 7 for coverage pattern. Voltage specific, must choose 120/277 or 347. Not available with MB or DNA. Only available with MIN10 ZT.
WGCSS	Does not cover SFR controls. Not recommended for use with endcap integrated SSAIR or VLP enabled controls due to potential detection obstruction.
PLR_	PLRxlVg not available with any controls. L24 ONLY AVAILABLE WITH PLR1G AND PLR1LVG. Not available with any emergency or GTD.
UVOLT	Not available with Emergency or controls. Only available with MIN10 and ZT.
NLIGHT, NLIGHTER, NLIGHTLM, and NLIGHTERLM	Not available with PLR, PLR_ LVG. Not available with L48 7000LM ZC or EZC.
NLTAIR2, NLTAIREM2	Not available with UVOLT. Not available with PLR, PLR_ LVG.
ZC	Requires MIN1 dimming. Control required, not available with VPIR, VAPIR, or SSAIR, SSE PIR and UVOLT.
EZC	Requires MIN1 dimming. Control required, not available with SSE PIR and UVOLT.
ZT	Requires MIN10 dimming. Not available with controls except SSE PIR.
120/277V	Only available with SSE PIR.
347V	Not available with UVOLT, any emergency or GTD.

Intelligent Luminaire Technology Guide

Control/ Sensor Configurations	Choose nomenclature from these columns			
	Control Input		Sensor	
	SSE	+	APIR	=
	SSE	+	APDT	=
	SSE	+	VPIR	=
	SSE		VAPIR	=
	SSAIR		(blank)	
	SSAIR	+	VAPIR	=
	NLIGHT		(blank)	
	NLIGHT	+	PIR	=
	NLIGHT	+	PDT	=
	NLIGHT	+	APIR	=
	NLIGHT	+	APDT	=
	NLIGHTER	+	(blank)	=
	NLIGHTER	+	PIR	=
	NLIGHTER	+	PDT	=
	NLIGHTER	+	APIR	=
	NLIGHTER	+	APDT	=
	NLIGHTLM	+	(blank)	
	NLIGHTLM	+	PIR	=
	NLIGHTLM	+	PDT	=
	NLIGHTLM	+	APIR	=
	NLIGHTLM	+	APDT	=
	NLIGHTLERLM	+	(blank)	
	NLIGHTLERLM	+	PIR	=
	NLIGHTLERLM	+	PDT	=
	NLIGHTLERLM	+	APIR	=
	NLIGHTLERLM	+	APDT	=
	NLTAIR2	+	(blank)	=
	NLTAIR2		APDT	
	NLTAIR2	+	APIR	=
	NLTAIR2	+	APIR	=
	NLTAIR2	+	VPIR	=
	NLTAIREM2	+	(blank)	=
	NLTAIREM2	+	APDT	=
	NLTAIREM2	+	APIR	=
NLTAIREM2	+	VPIR	=	
Sensor				
MSD 7 ADCX				
MSD PDT 7 ADCX				
VERTEX EZ OCC VLP				
VERTEX EZ ADC VLP				
BTRM SSA BTA				
BTRM SSA BTA + VERTEX				
nIO				
nIO + nES 7				
nIO + nES PDT 7				
nIO + nES 7 ADCX				
nIO + nES PDT 7 ADCX				
nIO ER				
nIO ER + nES 7				
nIO ER + nES PDT 7				
nIO ER + nES 7 ADCX				
nIO ER + nES PDT 7 ADCX				
nIO N80				
nIO N80 + nES 7				
nIO N80 + nES PDT 7				
nIO N80 + nES 7 ADCX				
nIO N80 + nES PDT 7 ADCX				
nIO ER N80				
nIO ER N80 + nES 7				
nIO ER N80 + nES PDT 7				
nIO ER N80 + nES 7 ADCX				
nIO ER N80 + nES PDT 7 ADCX				
RIO				
RES7 PDT				
RES7				
RES7				
RIO + VERTEX				
RIO EM				
RES7 PDT EM				
RES7 EM				
RIO + VERTEX				
Previous Nomenclature				
MSD7ADCX				
MSDPDT7ADCX				
VTX15FOCC				
VTX15FADC				
JOT				
JOTVTX15				
NLIGHT				
NLIGHT NES7				
NLIGHT NESPDT7				
NLIGHT NES7ADCX				
NLIGHT NESPDT7ADCX				
NLIGHT EMG				
NLIGHT EMG NESPDT7				
NLIGHT EMG NES7ADC				
NLIGHT EMG NES7ADCX				
NLIGHT EMG NESPDT7ADCX				
NLIGHT CL80				
NLIGHT CL80 NES7				
NLIGHT CL80 NESPDT7				
NLIGHT CL80 NES7ADCX				
NLIGHT CL80 NESPDT7ADCX				
NLIGHT EMG CL80				
NLIGHT EMG CL80 NES7				
NLIGHT EMG CL80 NESPDT7				
NLIGHT EMG CL80 NES7ADCX				
NLIGHT EMG CL80 NESPDT7ADCX				
NLTAIR2 RIO				
NLTAIR2 RES7PDT				
NLTAIR2 RES7				
NLTAIR2 RES7				
NLTAIR2 VTX15FOCC				
NLTAIR2 RIOEM				
NLTAIR2 RES7PDTEM				
NLTAIR2 RES7EM				
NLTAIR2 VTX15FOCC				

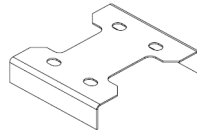
OPTIONS AND ACCESSORIES



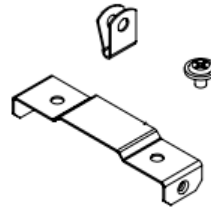
HANGER CHAIN
36" chain with Y hanger. ships as a pair
Order as:
HC36



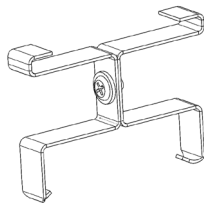
ZACVH HANGER
10' Aircraft cable with Y hanger.
Order as:
ZACVH



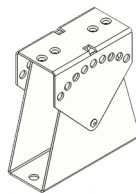
ROW ALIGNER
Bracket for continuous row
mount and 4 screws
Included in box



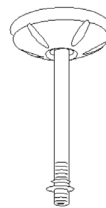
WIRE GUARD MOUNTING BRACKET
Mounting hardware included
Order as:
WGCSS



T GRID BRACKET
Ships as pair
Order as:
CSSTGRIDBRKT_



ANGLE BRACKET
Ships as pair
Order as:
CSSANGBRKT_



SQ SWIVEL HANGER
Swivel stem hanger (specify length
in 2" increments up to 48")
Order as:
SQ_

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Voltage	Other
ILB CP07 2H A	7W	120	840	MVOLT (120-277V) HVOLT (347V-480V)	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	MVOLT (120-277V) HVOLT (347V-480V)	
ILBLP CP10 HE SD A	10W	90	1200	MVOLT (120-277V) HVOLT (347V-480V)	Title 20, Self Diagnostic
ILB CP10 HE AELR A	10W	90	1200	MVOLT (120-277V) HVOLT (347V-480V)	Title 20; Enabled with Self Testing, Automated Reporting (STAR)
ILBHI CP10 HE SD A	10W	90	1200	MVOLT (120-277V) HVOLT (347V-480V)	347-480V operation, Self Diagnostic
ILBLP CP15 HE SD A	15W	90	1800	MVOLT (120-277V) HVOLT (347V-480V)	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	MVOLT (120-277V) HVOLT (347V-480V)	Title 20
ILB CP20 HE SD A	20W	90	2400	MVOLT (120-277V) HVOLT (347V-480V)	Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.

*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.

The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.

ILBHI CP10 HE SD A High voltage emergency driver (347-480V). For use with UVOLT fixtures ONLY at 347V operation.

Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

Emergency Battery Delivered Lumens

Use the formula below to determine the delivered lumens in emergency mode

Delivered Lumens = P x LPW

P = Output power of emergency driver (10W for E10W or 7W for E7W)

LPW = Lumen per watt rating of the luminaire can be found in Performance section on this spec sheet

Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting (STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the ClAIRity™+ app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. **Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR!**

Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:



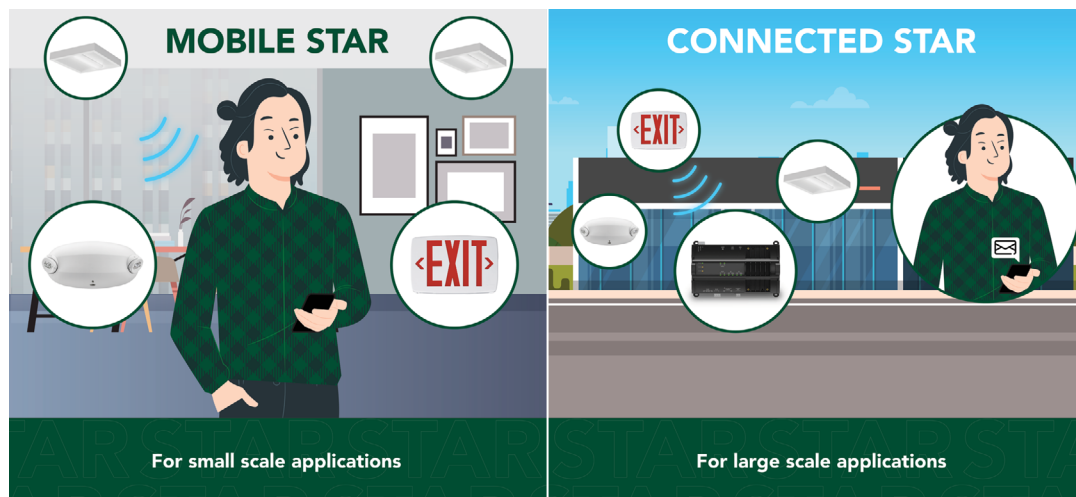
Testing for 30 seconds every 30 days



Testing for 90 minutes once a year



Record keeping and to report to the authority having local jurisdiction



PLUG-IN WIRING OPTION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Not for use with dedicated emergency circuits.

Note: Specifications subject to change without notice.



Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION

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

Series	Number of hot wires	Branch circuits	Dimming	Ground
PLR	(blank) Not required for PLR22	<u>Circuits to which driver is connected</u>	LV Low-voltage dimming	G Ground (required)
PLR22	1 Black	(blank) Not required for PLR22		
	2 Black and red	A Black wire		
		B Red wire		

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit (PLR22)
- Multiple circuit with night-lights located along row as desired

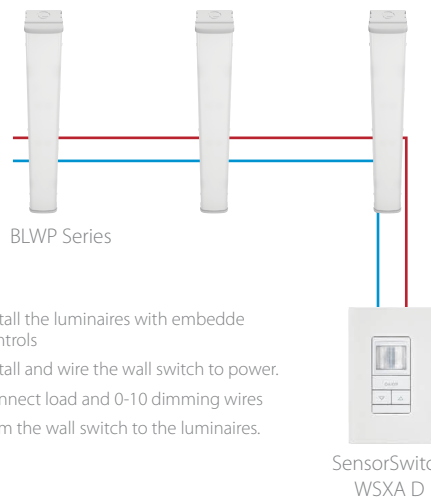
sensorswitch

Performance You Can Count On

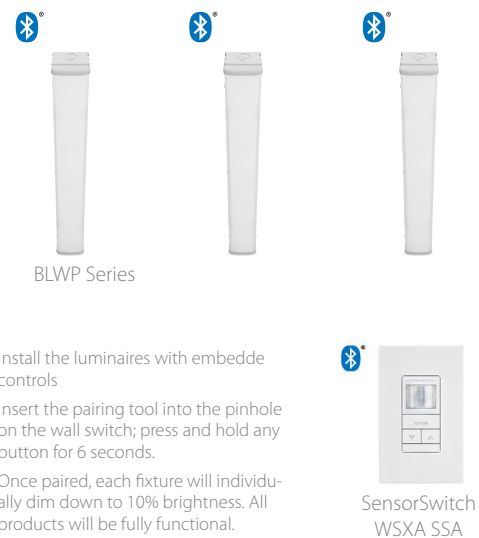
SensorSwitch™ offers standalone wired and wireless lighting controls solutions designed for room-based applications. Our products offer reliable performance and ease of installation.

Sensorswitch.com

Wired Embedded Controls



Wireless Embedded Controls



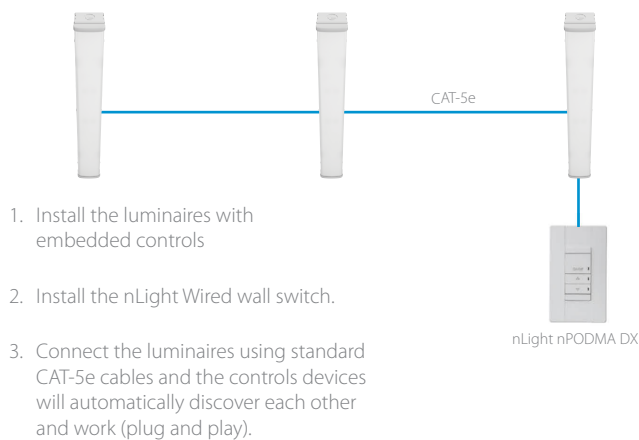


Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLIGHT® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLIGHT also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nLIGHTcontrols.com

Wired Embedded Controls



Wireless Embedded Controls



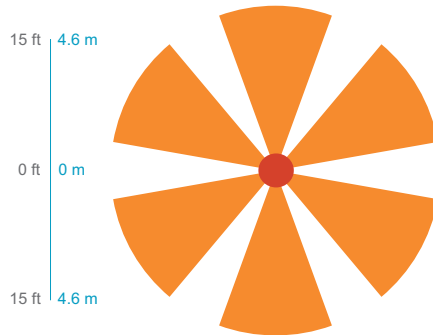
SENSOR COVERAGE PATTERNS

15F LARGE MOTION EXTENDED RANGE 360°

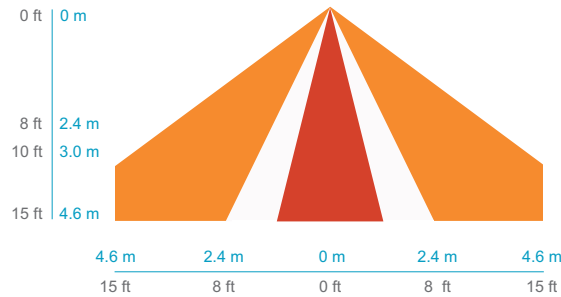
- Optimized full coverage from 8 ft - 15 ft (2.4 m - 4.5 m) mounting heights
- Reliable detection of large motion (e.g. pedestrian walking traffic)
- 1.3 x's mounting height equals approximate detection range



TOP VIEW



SIDE VIEW



SSE PIR SENSOR COVERAGE PATTERNS

PIR MINI LOW BAY 360°

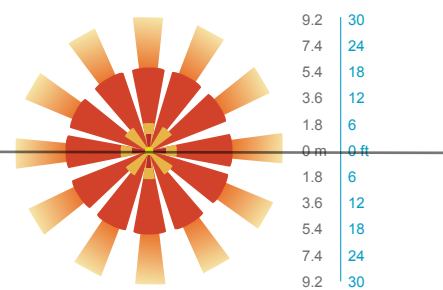
- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor



9 FT MOUNTING



15 FT MOUNTING



Note: Align sensor axes along aisleway for best detection results

MAXIMUM # OF FIXTURES PER SFR SENSOR

Nomenclature	Maximum # of Fixtures per SSE PIR SENSOR
CSS L48 4000LM MVOLT	20
CSS L48 AL03 MVOLT	16
CSS L96 8000LM MVOLT	10
CSS L96 AL04 MVOLT	8

*PLR option recommended for continuous row mounting with SSE PIR sensor. Input power for continuous row must come through end-of-row fixture with sensor. SSE PIR sensor operates On/Off only.

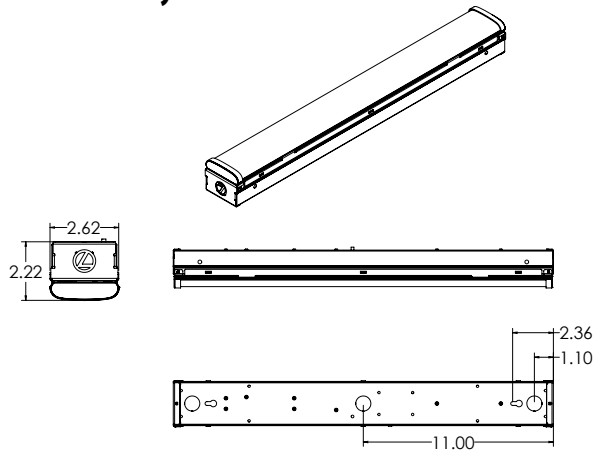
DIMENSIONS

All dimensions are shown in inches unless otherwise noted.

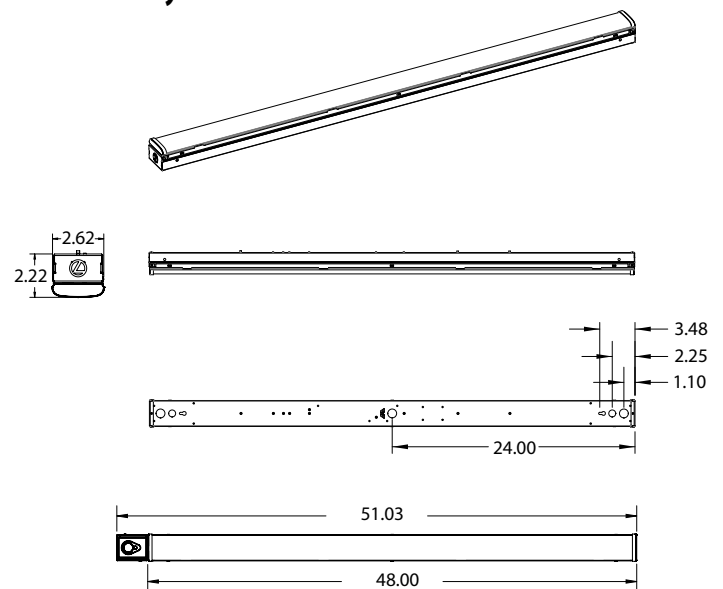
Nominal Length	Length	Width	Height	Approximate weight	Fixtures per pallet	Pallet Dimensions
L24	22"	2.62	2.22	2.5 lbs	336	40 x 48
L48	48"	2.62	2.22	5 lbs	135	46 x 57
L96	96"	2.62	2.22	10 lbs	102	46 x 98.5

*Weights will vary slightly with added options.

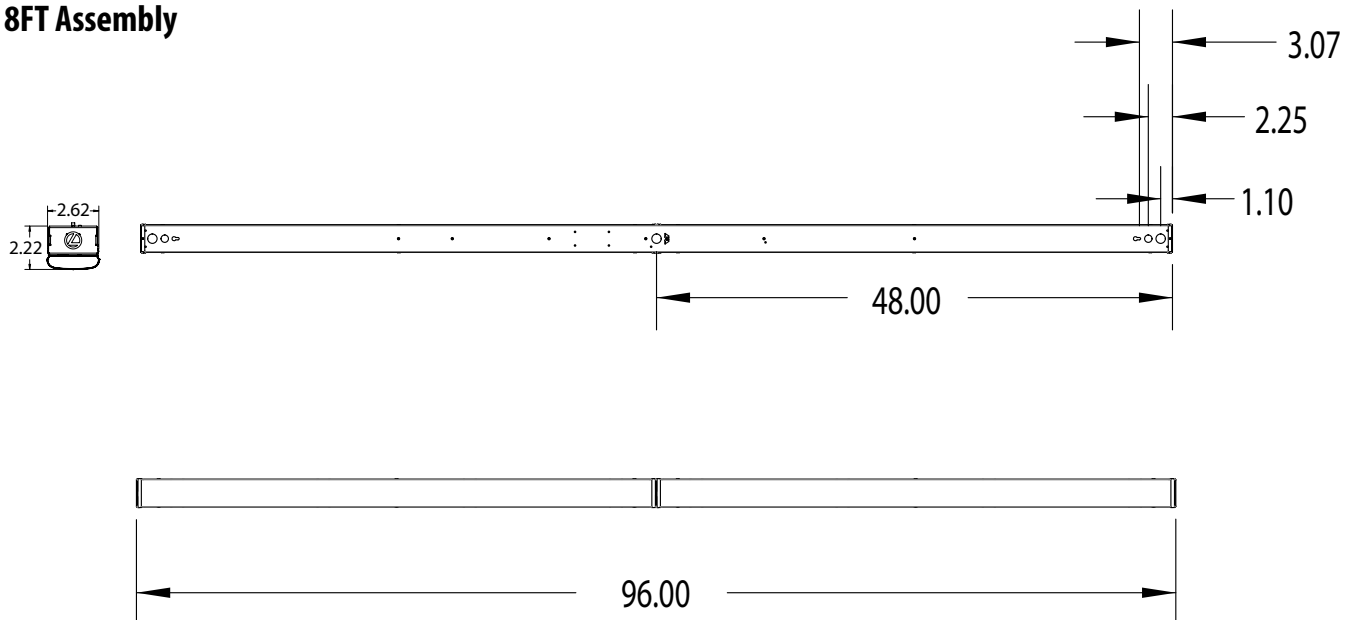
2FT Assembly



4FT Assembly



8FT Assembly



PERFORMANCE DATA

MVOLT

Nominal Length	Nominal Lumen Package	Color Temperature	Delivered Lumens	Wattage	Lumens/Watt
L24	1500 LM	3000K	1464	11	131
	2000 LM		1941	15	131
	2500 LM		2417	19	129
	1500 LM	3500K	1510	11	135
	2000 LM		2002	15	135
	2500 LM		2493	19	133
	1500 LM	4000K	1589	11	142
	2000 LM		2107	15	142
	2500 LM		2623	19	140
	1500 LM	5000K	1589	11	142
	2000 LM		2107	15	142
	2500 LM		2623	19	140
	AL015 (1500LM)	3500K	1610	13	125
		4000K	1609	13	125
		5000K	1609	13	125
	AL015 (2000LM)	3500K	2129	16	133
		4000K	2129	16	133
		5000K	2129	16	133
	AL015 (2500LM)	3500K	2648	19	138
		4000K	2648	19	140
		5000K	2648	19	140
L48	3000 LM	3000K	3009	22	134
	4000 LM		4101	30	136
	5000 LM		4948	38	132
	6000 LM		5954	45	131
	7000 LM		6991	55	128
	3000 LM	3500K	3088	22	138
	4000 LM		4208	30	140
	5000 LM		5078	38	135
	6000 LM		6111	45	135
	7000 LM		7175	55	131
	3000 LM	4000K	3179	22	142
	4000 LM		4333	30	144
	5000 LM		5228	38	139
	6000 LM		6291	45	138
	7000 LM		7387	55	135
	3000 LM	5000K	3179	22	142
	4000 LM		4333	30	144
	5000 LM		5228	38	139
	6000 LM		6291	45	138
	7000 LM		7387	55	135
	AL03 (3000LM)	3500K	3432	23	148
		4000K	3602	22	161
		5000K	3501	23	149
	AL03 (4000LM)	3500K	4360	30	145
		4000K	4606	29	159
		5000K	4446	30	148
	AL03 (5000LM)	3500K	5245	38	138
		4000K	5585	37	152
		5000K	5346	38	140

UVOLT

Nominal Length	Nominal Lumen Package	Color Temperature	Delivered Lumens	Wattage	Lumens/Watt
L24	1500 LM	3000K	1464	11	131
	2000 LM		1941	15	131
	2500 LM		2417	19	129
	1500 LM	3500K	1510	11	135
	2000 LM		2002	15	135
	2500 LM		2493	19	133
	1500 LM	4000K	1589	11	142
	2000 LM		2107	15	142
	2500 LM		2623	19	140
	1500 LM	5000K	1589	11	142
	2000 LM		2107	15	142
	2500 LM		2623	19	140
	AL015 (1500LM)	3500K	1610	13	125
		4000K	1609	13	125
		5000K	1609	13	125
	AL015 (2000LM)	3500K	2129	16	133
		4000K	2129	16	133
		5000K	2129	16	133
	AL015 (2500LM)	3500K	2648	19	138
		4000K	2648	19	140
		5000K	2648	19	140
L48	3000 LM	3000K	3009	22	134
	4000 LM		4101	30	136
	5000 LM		4948	38	132
	6000 LM		5954	45	131
	7000 LM		6991	55	128
	3000 LM	3500K	3088	22	138
	4000 LM		4208	30	140
	5000 LM		5078	38	135
	6000 LM		6111	45	135
	7000 LM		7175	55	131
	3000 LM	4000K	3179	22	142
	4000 LM		4333	30	144
	5000 LM		5228	38	139
	6000 LM		6291	45	138
	7000 LM		7387	55	135
	3000 LM	5000K	3179	22	142
	4000 LM		4333	30	144
	5000 LM		5228	38	139
	6000 LM		6291	45	138
	7000 LM		7387	55	135
	AL03 (3000LM)	3500K	3432	23	148
		4000K	3602	22	161
		5000K	3501	23	149
	AL03 (4000LM)	3500K	4360	30	145
		4000K	4606	29	159
		5000K	4446	30	148
	AL03 (5000LM)	3500K	5245	38	138
		4000K	5585	37	152
		5000K	5346	38	140

PERFORMANCE DATA

MVOLT *continued*

Nominal Length	Nominal Lumen Package	Color Temperature	Delivered Lumens	Wattage	Lumens/Watt
L96	6000 LM	3000K	5701	43	132
	8000 LM		7929	58	136
	10000 LM		9681	73	132
	12000 LM		11628	92	126
	14000 LM		13612	112	122
	6000 LM	3500K	5851	43	136
	8000 LM		8137	58	139
	10000 LM		9935	73	136
	12000 LM		11934	92	130
	14000 LM		13970	112	125
	6000 LM	4000K	6024	43	140
	8000 LM		8377	58	144
	10000 LM		10228	73	140
	12000 LM		12286	92	133
	14000 LM		14382	112	128
	6000 LM	5000K	6024	43	140
	8000 LM		8377	58	144
	10000 LM		10228	73	140
	12000 LM		12286	92	133
	14000 LM		14382	112	128
	AL04 (6000LM)	3500K	6528	43	153
		4000K	6739	43	158
		5000K	6590	43	154
	AL04 (8000LM)	3500K	8389	58	144
		4000K	8741	58	150
		5000K	8497	58	145
	AL04 (10000LM)	3500K	10386	74	140
		4000K	10907	74	147
		5000K	10487	74	141

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

UVOLT *continued*

Nominal Length	Nominal Lumen Package	Color Temperature	Delivered Lumens	Wattage	Lumens/Watt
L96	6000 LM	3000K	5701	43	132
	8000 LM		7929	58	136
	10000 LM		9681	73	132
	12000 LM		11628	92	126
	14000 LM		13612	112	122
	6000 LM	3500K	5851	43	136
	8000 LM		8137	58	139
	10000 LM		9935	73	136
	12000 LM		11934	92	130
	14000 LM		13970	112	125
	6000 LM	4000K	6024	43	140
	8000 LM		8377	58	144
	10000 LM		10228	73	140
	12000 LM		12286	92	133
	14000 LM		14382	112	128
	6000 LM	5000K	6024	43	140
	8000 LM		8377	58	144
	10000 LM		10228	73	140
	12000 LM		12286	92	133
	14000 LM		14382	112	128
	AL04 (6000LM)	3500K	6528	43	153
		4000K	6739	43	158
		5000K	6590	43	154
	AL04 (8000LM)	3500K	8389	58	144
		4000K	8741	58	150
		5000K	8497	58	145
	AL04 (10000LM)	3500K	10386	74	140
		4000K	10907	74	147
		5000K	10487	74	141

PROJECTED LUMEN MAINTENANCE			
Lumen Maintenance Factor	0.92	0.83	0.78
Operating Hours	40,000	90,000	120,000

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

PHOTOMETRICS

Please click link to access [Photometry & Revit \(BIM\)](#)

Fixture Ambient Ratings

Lumen Package	Length	Emergency	Controls	Ambient Max Temp				
				25C	35C	40C	45C	
ALO	L24	-	-		X			
		-	X		X			
	L48	-	-				X	
		-	X				X	
		X	X			X		
		X	-			X		
	L96	-	-		X			
		-	X		X			
		X	X		X			
		X	-		X			
	2500LM	L24	-	-			X	
		-	X			X		
3000LM	L48	-	-			X		
-		X			X			
X		X			X			
X		-			X			
4000LM		-	-			X		
-		X			X			
X		X			X			
X		-			X			
5000LM		-	-		X			
-		X		X				
X		X		X				
X		-		X				
6000LM		-	-		X			
-		X		X				
X		X		X				
X		-		X				
7000LM		-	-			X		
-		X		X				
X		X		X				
X		-			X			
6000LM		L96	-	-		X		
-			X		X			
X			X		X			
X			-		X			
8000LM			-	-			X	
-			X			X		
X			X			X		
X			-			X		
10000LM			-	-			X	
-			X			X		
X			X			X		
X			-			X		
12000LM			-	-		X		
-			X		X			
X			X		X			
X			-		X			
14000LM	-		-		X			
-	X			X				
	X			X				
X	-			X				