LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. CLX Tunable White is perfect for operational spaces where there is little natural light as it allows the light color temperature to be adjusted based on time of day. Also great for settings where work is being done 24 hours a day. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a knock out but can be ordered without.

OPTICS — Offered in lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 6.) This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI or 90CRI.

Lumen output up to 1,250 lumens per foot.

Mainstream Dynamic Tunable White with nTune Technology: This fixture is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 2 for the nLight sensor options.

Integrated Sensor (nLight Wired Networking): Tunable white nTune™ is an all digital light color temperature control within an nLight enabled luminaire. This brings tunable white lighting control into the mainstream with repeatable, consistent results in an economical luminaire form and system already familiar to schools. Designers and facility operators are granted the freedom to tie scenes to specific activities or to complement colors or materials within a visual environment. nTune™ allows color temperature settings through the Productivity Range of 3000K-5000K or RHYR, the Rhythm range of 2700K to 6500K. Refer to the Programming User's Guide for instructions on customizing to your application with SensorView. Settings from factory will ship with the lowest CCT color and 100% lumen output.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropriate mounting options.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C).

GOVERNMENT PROCUREMENT — BAA – Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
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.

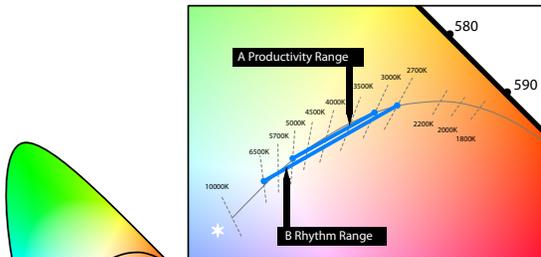
Catalog Number

Notes

Type

LED Linear

CLX TUNABLE WHITE

24", 36", 48" and 96" Lengths

Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

BAA   BABA   CSA+ CAPABLE   LED   MAINSTREAM DYNAMIC BY ACUITY BRANDS®

A Productivity Range 3000K to 5000K

B Rhythm Range 2700K to 6500K

◁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® control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

CLX TUWH LED Linear

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

Example: CLX L48 5000LM SEF WDL MVOLT EDAB TUWH PR0R NLT 80CRI WH

Series	Length		Nominal lumens		Performance package		Louver		Lens	
CLX LED linear	L24	24" [1]	1500LM	1,500 lumens	SEF	Standard efficiency	(Blank)	Less louver	L/Lens	Less lens
			2000LM	2,000 lumens			SBLW	Straight blade louver, white [2]	FDL	Flat diffuse [3]
			2500LM	2,500 lumens			SBLMB	Straight blade louver, matte black [2]	RDL	Round diffuse [3]
	L36	36"	2250LM	2,250 lumens			SBLGV	Straight blade louver, galvanized [2]	WDL	Wide diffuse [3]
			3000LM	3,000 lumens			SBLSKGY	Straight blade louver, smoke gray [2]		
			3750LM	3,750 lumens						
	L48	48"	3000LM	3,000 lumens						
			4000LM	4,000 lumens						
			5000LM	5,000 lumens						
	L96	96"	6000LM	6,000 lumens						
			8000LM	8,000 lumens						
			10000LM	10,000 lumens						

Distribution		Voltage		Driver		Dynamic Feature		Dynamic Range		Control Interface Type	Coloring rendering index	
(Blank)	General	MVOLT	120-277V	EDAB	EldoLED dim to black	TUWH	Tunable white	PR0R	Productivity Range 3000K - 5000K	NLT (nLight nTune interface)	80CRI	80 CRI
ND	Narrow [4]	120	120V					RHYR	Rhythm range 2700K - 6500K		90CRI	90 CRI
WD	Wide [4]	208	208V									
AD2	Aisle, 24° off center [4]	240	240V									
		277	277V									
		347	347V [6,7]									
		480	480V									

Options				Finish	
E10W	Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS [7,8,9]	PLR__	Plug-in wiring, see page 6 for ordering information	WH	White
OCS	5', 18/3 Reloc selectable One Pass cable [8] (fixture will bear dry location label)	RRL__	RELOC®-ready luminaire. See page 5 for ordering information	GALVW	Galvanized with white lens end caps
EPNK0	Decorative endplate, no knock out [9]	SPD	Surge protection device, provides up to 6kV protection [8,12]	GALVB	Galvanized with black lens end caps
OUTCTR	Wiring leads pulled through back center of fixture [13,14]	BAA	Buy America(n) Act and/or Build America Buy America Qualified	MB	Matte black
OUTEND	Wiring leads pulled through end of fixture [15]			SKGYW	Smoke gray with white lens end caps
6' CS1W	Staight blade plug, 120V, ships white [5,8,11]	**nLight® Wired Networking:**		SKGYB	Smoke gray with black lens end caps
CS3W	NEMA twist-lock plug, 120V, ships white [5,8,11]	NES7	nLight® nES 7 PIR integral occupancy sensor		
CS7W	Staight blade plug, 277V, ships white [5,8,11]	NESPDT7	nLigh® nES PDT 7 dual technology integral occupancy control		
CS11W	NEMA twist-lock plug, 277V, ships white [5,8,11]	NES7ADCX	nLight® nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell		
CS25W	NEMA twist-lock plug, 347V, ships white [5,8,11]	NESPDT7ADCX	nLight® nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell		
CS97W	NEMA twist-lock plug, 480V, ships white [5,8,11]				
CS93W	600V SEOOW white cord, no plug (no voltage required) [8,11]				

See Accessories and footnotes on next page

Accessories: *Order as separate catalog number.*			
ZACVH M100	Adjustable 10' aircraft cable with Y hanger (1 pair)	HC36 M12	Hanger chain, 36" (1 pair)
ZAC120	One adjustable aircraft cable with canopy 120"	THCLX ___	Tong hanger (Must specify color) (one pair) [13]
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120"	CLXANGBKT ____	Angle bracket, (one pair) [13]
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120"	WGCLX24	24" wire guard, XX [14]
ZAC240	One adjustable aircraft cable with canopy 240"	WGCLX36	36" wire guard, XX [14]
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240"	WGCLX48	448" wire guard, XX, 96" fixture requires two [14]
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240"		
SQ_	Swivel stem hanger (specify length in 2" increments up to 48")		

Notes

1 Not available with OUTCTR option.

2 Not for use with THCLX, CLXANGBKT or WGCLX accessories. Not available L24 or with RDL lens options.

3 Only available with general distribution.

4 Available L/Lens only.

5 Not available with E10W.

6 Voltage selected utilizes a step-down transformer. Not available with L24 or E10W.

7 Requires SPD option.

8 Must specify voltage.

9 Not available with L24, L36, or L48.

10 Not available with OUTEND.

11 Not available with PLR.

12 Required with E10W option.

13 Not available with louvers, wireguards, or wide reflectors.

14 Not for use with CLX reflector accessories. XX detonates paint finish (EX. WGCLX48 WH).

POWER SENTRY EMERGENCY BATTERY PACKS

E10W	https://www.acuitybrands.com/products/detail/755258/Power-Sentry/PS1055LCP-Battery-Pack/Constant-Power-Field-Installable-LED-Emergency-Driver	Field installable
PS1555LCP	https://www.acuitybrands.com/products/detail/755258/Power-Sentry/PS1055LCP-Battery-Pack/Constant-Power-Field-Installable-LED-Emergency-Driver	Field installable, remote mount only

EMERGENCY LUMENS

Efficiency Package	SEF
E10W	1400
PS1055LCP	1400
PS1555LCP	2000

Note: For emergency lumen output of specific model, please consult factory.

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 = Ouput power of emergency driver. P = 10W for PS1050

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.

DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

PALLET DIMENSIONS

Length	Approx Weight	Fixtures per pallet	Pallet Dims (L X W X H)
L24	4 lb	100	54x46x37
L36	5 lb	80	54x46x37
L48	7.5 lb	64	54x46x37
L96	14 lb	64	98x46x37

THCLX - SHIPS TWO PER ORDER,
UTILIZES A #8 HEX HEAD SCREW AND NUT
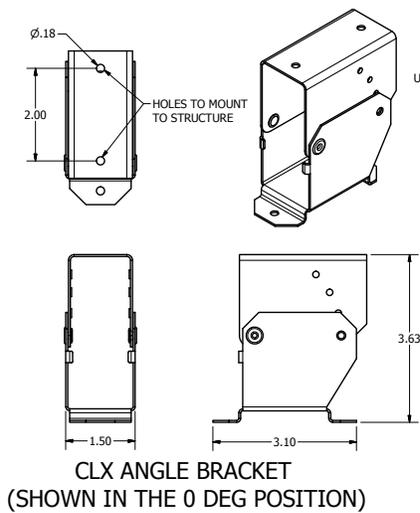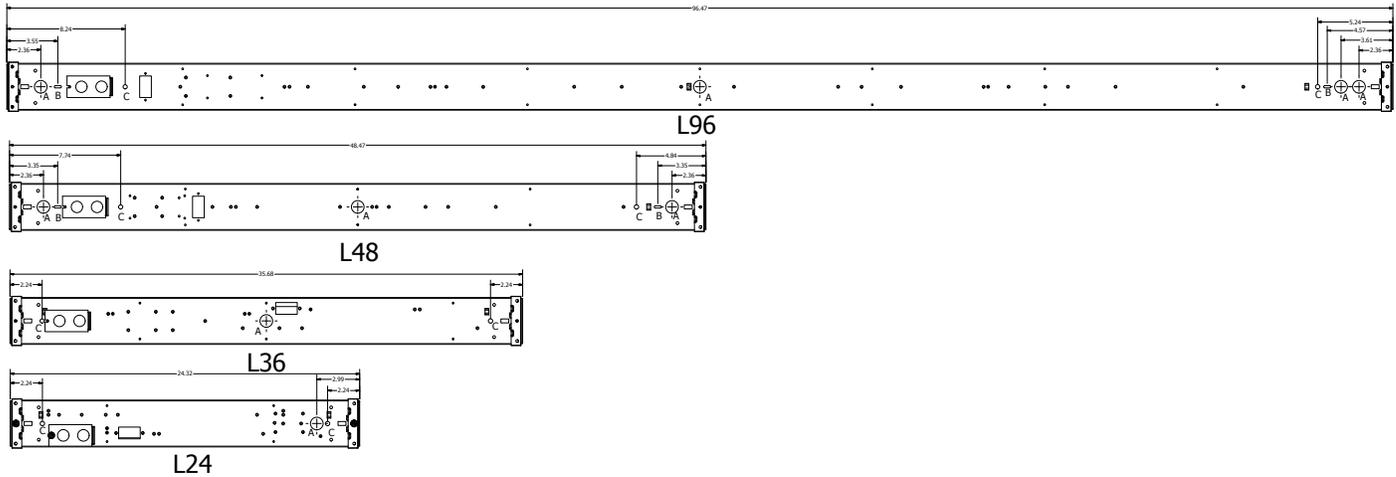FIXTURE SITS 1.3 INCHES FROM STRUCTURE WHEN MOUNTED
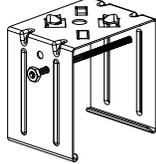
CLXANGBKT - SHIPS TWO PER ORDER
HOLES TO MOUNTING STRUCTURE ARE 0.175" DIA, 2.5" APART
FIXTURE SITS APPROXIMATELY 3.5" FROM STRUCTURE
WHEN MOUNTED HORIZONTAL TO STRUCTURE
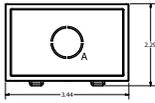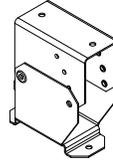
INTEGRATED SENSOR ADDS 4.75 INCHES TO STANDALONE FIXTURE LENGTH
HOUSING END CAP ADDS 0.236 INCHES TO FIXTURE LENGTH PER SIDE

A - 7/8" KNOCK OUT
B - 0.5" by 0.16" SLOT
C - 0.3" DIA HOLE

L96

L48

L36

L24

CLX ANGLE BRACKET
(SHOWN IN THE 0 DEG POSITION)

HOLES TO MOUNT TO STRUCTURE

USE TO MOUNT TO STRUCTURE

FEATURES FOR T-GRID MOUNTING

CLX MOUNTING BRACKET ASSEMBLED

PHOTOMETRICS

See www.lithonia.com.

RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.
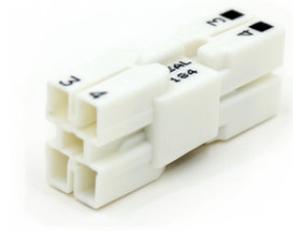
ORDERING INFORMATION	Lead times will vary depending on options selected. Consult with your sales representative.	**Example**: RRLA

Series		Wiring instructions	
RRL	RELOC®-ready luminaire	A	Hot conductor wired to position #1 (phase A)
		B	Hot conductor wired to position #2 (phase B)
		C	Hot conductor wired to position #3 (phase C) [1]

Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)

OCS

OCU

OD

DC

PT
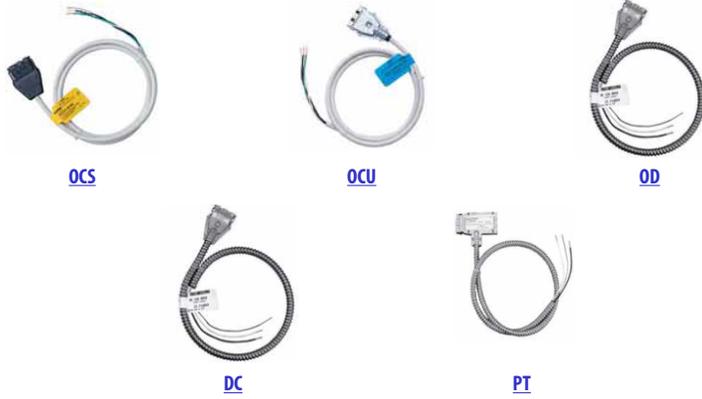
Notes

1   C, ABE, and C12S options are not used with Quick-Flex QFC, QSFC, QPT, and QD.

Rev. 05/28/25

PLUG-IN WIRING INFORMATION

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.

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

Series	Number of hot wires		Branch circuits (PLR2A / PLR2B Only)				Dimming		Ground	
PLR22	(blank)	Not required for PLR22	(blank)	Not required for PLR22			(blank)	No Dimming		
PLR	1	Black	(blank)	Not required for PLR1						
	2	Black and red	**Circuits to which driver is connected**		**Battery charging circuit (must be unswitched)**		LV	Low-voltage Dimming	G	Ground (required)
			(blank)	Not required for PLR22	(blank)	No battery charging circuit				
			A	Black wire	ELA	Battery pack wired to black wire				
			B	Red wire	ELB	Battery pack wired to red wire				

Typical Applications
Notes:
When specifying PLR1, you will not specify A or B as there is only a single hot wire which would be black in color.
- 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

LSXR PRODUCT INFORMATION

A standard occupancy time delay is also present to ensure lights turn off (once minimum on timer has also elapsed) if no occupancy is detected.

This timer is factory set at 10 minutes to promote energy savings, but is adjustable between 30 seconds and 30 minutes. These adjustments may be done through the unit's push-button.

FEATURES
- Four interchangeable lenses - high mount 360°, low mount 360°, high mount aisleway, and small motion 360°.
- Integrated mounting bracket drops lens down 3" from chase nipple - no bracket accessory required.
- 100% digital PIR detection - provides excellent RF immunity

Note: Specifications subject to change without notice.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.   **Example:** LSXR 10 ADC HVOLT 30M

LSXR					
Series	**Lens option**				**Dimming/photocell**
LSXR Passive Infrared Indoor Occupancy Sensor	(blank)	No lens	610	High and low mount 360°	(blank) None
	6	High mount, 360°	650	High mount 360° and aisleway	HL High/low occupancy operation
	10	Low mount, 360°	3PK	High and low mount 360° and aisleway	P Switching photocell (on/off)
	50	High mount aisleway	4PK	All lenses	ADC Dimming and switching photocell
	9	Small motion, 360°			ANL Dimming and switching photocell with high/low occupancy operation

Voltage		Max dim level		Min dim level		Lead length		Temp humidity		Default time delay	
(blank)	120-277 VAC (MVOLT)	(blank)	10 VDC	(blank)	Minimum dimming level of ballast	(blank)	14"	(blank)	None	(blank)	10 minutes (with minimum 15 minutes on time)
HVOLT	347-480 VAC	9H	9 VDC	1V	1 VDC	42L	42"	LT	Low temperature	5M	5 minutes (LED only)
		8H	8 VDC	2V	2 VDC					15M	15 minutes
		7H	7 VDC	3V	3 VDC					20M	20 minutes
				4V	4 VDC					30M	30 minutes
				5V	5 VDC						
				6V	6 VDC						

For additional information see www.lithonia.com
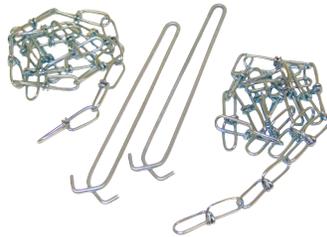
OPTIONS AND ACCESSORIES

Wide decorative reflector
Ships separtely from fixture.
Order as:
CLXRW24
CLXRW36
CLXRW48
CLXRW96
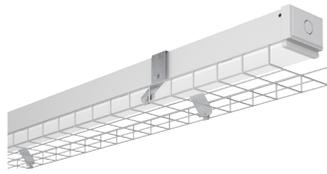
Wireguard
Ships separately from fixture:
96" fixture requires two WGCLX48.
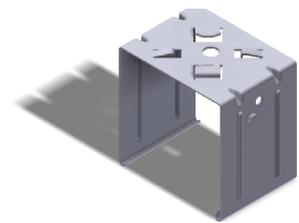Order as:
WGCLX24
WGCLX36
WGCLX48

Aircraft Cable with Canopy
Available in 120" or 240"
Order as:
ZAC120
ZAC240

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

Tong hanger
Ships as a pair
Order As:
THCLX