

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 also offered in standard and high efficacy configurations and 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. **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. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

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.

OPTICS — Offered with acrylic 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 14.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). 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.

L70>100,000 hours at 25°C.

LEDs provide nominal 80 CRI or 90 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

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

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F (50°C) available on certain lumen packages (See ambient temperature chart for additional information).

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.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. 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.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC QPL Product ID	DLC Premium
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816	PJANKZR4	Yes
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885	PKW32VKL	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939	P77I8Z20	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908	P8A42C1H	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861	PPFTGRBV	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915	PW6250TE	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922	PYKOC7EW	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830	PKYPL35K	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960	PJANKZR4	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892	PKW32VKL	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854	P77I8Z20	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946	P8A42C1H	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878	PPFTGRBV	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823	PD05SIAD	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525953	PYKOC7EW	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847	PKYPL35K	Yes

Catalog Number
Notes
Type

LED Linear

CLX

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

Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens



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

ORDERING INFORMATION

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

Example: CLX L48 5000LM SEF WDL MVOLT GZ10 40K 80CRI WH

Series	Length	Nominal lumens	Performance package	Louver	Lens
CLX LED linear	L24 24" ^{1,2}	1500LM 1,500 lumens	SEF Standard efficiency ⁵ HEF Premium efficiency	(Blank) Less louver SBLW Straight blade louver, white ⁶ SBLMB Straight blade louver, matte black ⁶ SBLGV Straight blade louver, galvanized ⁶ SBLSKGY Straight blade louver, smoke gray ⁶	L/Lens Less lens FDL Flat diffuse ^{7,8} RDL Round diffuse ^{7,8} WDL Wide diffuse ^{7,8}
		2000LM 2,000 lumens			
		2500LM 2,500 lumens			
		3500LM 3,500 lumens			
		4500LM 4,500 lumens			
		5000LM 5,000 lumens ^{3,4}			
	L36 36" ²	2250LM 2,250 lumens			
		3000LM 3,000 lumens			
		3750LM 3,750 lumens			
		5250LM 5,250 lumens			
		6750LM 6,750 lumens			
		7500LM 7,500 lumens ^{3,4}			
	L48 48"	3000LM 3,000 lumens			
		4000LM 4,000 lumens			
		5000LM 5,000 lumens			
		7000LM 7,000 lumens ²			
		9000LM 9,000 lumens ²			
		10000LM 10,000 lumens ^{2,4}			
	L96 96"	6000LM 6,000 lumens			
		8000LM 8,000 lumens			
		10000LM 10,000 lumens			
		14000LM 14,000 lumens ^{2,4}			
		18000LM 18,000 lumens ^{2,4}			
		20000LM 20,000 lumens ^{2,4}			

Distribution	Voltage	Driver ¹⁴	Color temperature	Coloring rendering index
(Blank) General	MVOLT 120-277V ¹⁰	277 277V	30K 3000 K	80CRI 80 CRI
ND Narrow ^{8,9}	120 120V	347 347V ^{12,13}	35K 3500 K	90CRI 90 CRI
WD Wide ^{8,9}	208 208V ¹¹	480 480V ^{12,13}	40K 4000 K	
AD2 Aisle, 24° off center ^{8,9}	240 240V ¹¹		50K 5000 K	

Options	Finish
PS1050 Emergency battery pack, 10W, CA Title 20 Noncompliant ^{2,11,13,16,17} E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ^{12,11,13,16,17} BGTD Generator transfer device, not available with PS1050 ^{13,16,18} OCS 5', 18/3 Reloc selectable One Pass cable ¹⁶ HA High ambient, for use in ambient temperatures up to 50°C ¹¹ EPNKO Decorative endplate, no knock out ¹⁹ OUTCTR Wiring leads pulled through back center of fixture ²¹ OUTEND Wiring leads pulled through end of fixture ²¹ Cord Sets: CS1W Straight blade plug, 120V ^{10,16} CS3W NEMA twist-lock plug, 120V ^{10,16} CS7W Straight blade plug, 277V ^{10,16} CS11W NEMA twist-lock plug, 277V ^{10,16} CS25W NEMA twist-lock plug, 347V ^{10,16} CS97W NEMA twist-lock plug, 480V ^{10,16} CS93W 600V SE00W white cord, no plug (no voltage required) CS6WG16STOWD5D 6' white cord, 16/5, no plug, includes low voltage dimming wires (no voltage required) ¹⁵	PLR___ Plug-in wiring, see page 16 for ordering information PLR1LVG Plug-in wiring, low voltage dimming ²² RRL___ RELOC-ready luminaire. See page 15 for ordering information SPD Surge protection device, provides up to 6kV protection ²⁰ BAA Buy America(n) Act Compliant nLight® Wireless: ^{23,24} NLTAIR2 RES7 nLight® Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell NLTAIR2 RES7PDT nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell NLTAIR2 RIO No sensor control nLight® Wired: ^{23,25} N100 nLight® without lumen management NES7 nLight® nES 7 PIR integral occupancy sensor ²⁶ NESPDT7 nLight® nES PDT 7 dual technology integral occupancy control ²⁶ NES7ADCX nLight® nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ²⁶ NESPDT7ADCX nLight® nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ²⁶ Individual controls: ^{23,25} MSD7 PIR integral occupancy sensor MSDPDT7 PDT 7 dual technology integral occupancy control MSD7ADC PIR integral occupancy sensor with automatic dimming control photocell MSDPDT7ADC PDT integral occupancy sensor with automatic dimming control photocell
WH White GALVW Galvanized with white lens end caps GALVB Galvanized with black lens end caps MB Matte black SKGYW Smoke gray with white lens end caps SKGYB Smoke gray with black lens end caps	

See Accessories and footnotes on next page

Accessories: Order as separate catalog number.			
Mounting:		THCLX ____	Tong hanger (Must specify color) (one pair) ²⁸
ZACVH M100	Adjustable 10' aircraft cable with Y hanger (1 pair)	CLXANGBKT ____	Angle bracket, (Must specify color) (one pair) ²⁸
ZAC120	One adjustable aircraft cable with canopy 120" ²⁷	HC36 M12	Hanger chain, 36" (1 pair)
		Sensors & Controls:	
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120" ²⁷	LSXR	Sensor Switch ® LSXR occupancy sensor ²⁹
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120" ²⁷	NPP16D	nLight® switching/dimming module
ZAC240	One adjustable aircraft cable with canopy 240" ²⁷	NPP16DER	nLight® switching/dimming module with emergency relay
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240" ²⁷	rPP20D	nLight® air dimming/switching module
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240" ²⁷	Reflectors:	
SQ_	Swivel stem hanger (specify length in 2" increments up to 48") ²⁷	CLXRW24_	Wide decorative 24" reflector, (Must specify color) ³⁰
		CLXRW36_	Wide decorative 36" reflector, (Must specify color) ³⁰
		CLXRW48_	Wide decorative 48" reflector, (Must specify color) ³⁰
		CLXRW96_	Two wide decorative 48" reflectors, (Must specify color) ³⁰
		CLXRN24	Narrow 24" reflector, (Must specify color) ³¹
		CLXRN36	Narrow 36" reflector, (Must specify color) ³¹
		CLXRN48	Narrow 48" reflector, (Must specify color) ³¹
		CLXRN96	Two narrow 48" reflectors, (Must specify color) ³¹
		Wireguards:	
		WGCLX24_	24" wireguard, (Must specify color) ³²
		WGCLX36_	36" wireguard, (Must specify color) ³²
		WGCLX48_	48" wireguard, XX, (Must specify color) 96" fixture requires two ³²

Notes

- Not available with OUTCTR option.
- Not available with HA option.
- Not available with SEF when ordered in combination with EZ1.
- Not available with NLTAIR2 RES7, NLTAIR2 RES7PDT, or NLTAIR2 RIO.
- Not available with EZ1 when ordered with L24 with 5000LM or L36 with 7500LM.
- When ordered with L24 only available with 1500LM or 2000LM in combination with GZ10 driver. Not for use with THCLX, CLXANGBKT, CLX reflectors or WGCLX accessories. Not available with RDL lens options.
- Only available with general distribution.
- Not available with CLXRN accessories.
- Available L/LENS only.
- Not available with PS1050, E10WLCP, or BGTD.
- Not available with BGTD option.
- Voltage selected utilizes a step-down transformer. Not available with L24 when ordered with N100. Not available with PS1050, E10WLCP or BGTD option.
- Requires SPD option.
- When continuous row mounting, fixtures must all have the same driver selection.
- Not available with Individual controls, nLight wired networking, nLight wireless networking, nLight wireless zone control options.
- Must specify voltage.
- Not available with L24 or L36. Not available with L48 in combination with N100.
- Available with L48 or L96 only. 20 Not available with PS1050 or E10WLCP options. Not available with 208 or 240V. Not available Individual controls, nLight Wired, or nLight Wireless options.
- Not available OUTEND.
- Required with PS1050, E10WLCP, BGTD, XAD, or XAD924.
- Not available with PLR options.
- Not available with Individual controls, nLight Wired, or nLight Wireless options.
- Sensor housing will be the same color as lens end caps.
- Not available with L24 in combination with 5000LM, not available with L36 in combination with 7500LM, not available with L48 in combination with 10000LM, and not available with L96 in combination with 14000LM, 18000LM, or 20000LM. Not available with PLRs containing low voltage dimming wires.
- Not available with any other control option. Requires EZ1.
- Requires N100 option.
- Ships standard as white.
- Not available with louver, wireguards, wide reflectors.
- More configurations on [LSXR Specification Sheet](#).
- L24 reflector is 22.65", L36 reflector is 34.01", L48 reflector is 46.80", L96 comes with two L48 reflectors.
- For use with L/LENS fixtures only. L24 reflector is 22.75", L36 reflector is 34.20", L48 reflector is 46.85", L96 comes with two L48 reflectors.
- Not for use with CLX wide reflector accessories.

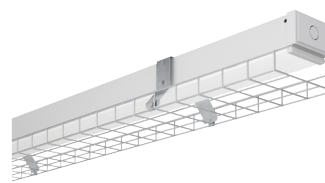
OPTIONS AND ACCESSORIES



Narrow reflector
Ships separately from fixture.
Order as:
CLXRN24_ ____
CLXRN36_ ____
CLXRN48_ ____
CLXRN96_ ____



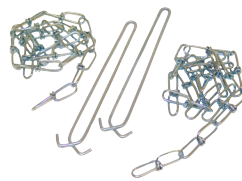
Wide decorative reflector
Ships separately from fixture.
Order as:
CLXRW24_ ____
CLXRW36_ ____
CLXRW48_ ____
CLXRW96_ ____



Wireguard
Ships separately from fixture:
96" fixture requires two WGCLX48.
Order as:
WGCLX24_ ____
WGCLX36_ ____
WGCLX48_ ____



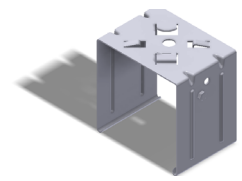
Aircraft Cable with Canopy
Available in 120" or 240"
Order as:
ZAC120
ZAC240



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_ ____