

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.

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).

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 DC2DC

*DCHUB required ([Link](#))

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

Flat Diffuse Lens



Round Diffuse Lens



Wide Diffuse Lens



MAINSTREAM DYNAMIC
BY ACUITY BRANDS®



CSA+ 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 DC2DC LED Linear

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

Series	Length		Nominal lumens		Performance package	Louver		Lens	
CLX LED linear	L24	24" ‡	1500LM	1,500 lumens	SEF Standard efficiency	(Blank)	Less louver	L/Lens	Less lens
			2000LM	2,000 lumens		SBLW	Straight blade louver, white ‡	FDL	Flat diffuse ‡
			2500LM	2,500 lumens		SBLMB	Straight blade louver, matte black ‡	RDL	Round diffuse ‡
						SBLGV	Straight blade louver, galvanized ‡	WDL	Wide diffuse ‡
	L36	36"	2250LM	2,250 lumens		SBLSKGY	Straight blade louver, smoke gray ‡		
			3000LM	3,000 lumens					
			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	Dimming	Dynamic Feature	Dynamic Range	Coloring rendering index
(Blank) General	57V DC (Direct Current)	DALI8 Digital Addressable Lighting Interface, Device Type 8	TUWH Tunable white	PROR Productivity Range 3000K - 5000K	80CRI 80 CRI 90CRI 90 CRI
ND Narrow ‡				RHYR Rhythm range 2700K - 6500K	
WD Wide ‡					
AD2 Aisle, 24° off center ‡					

Finish	
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

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) ‡
ZAC240	One adjustable aircraft cable with canopy 240"	CLXANGBKT ____	Angle bracket, (one pair) ‡
SQ_	Swivel stem hanger (specify length in 2" increments up to 48")	WGCLX24	24" wire guard, XX ‡
		WGCLX36	36" wire guard, XX ‡
		WGCLX48	448" wire guard, XX, 96" fixture requires two ‡

‡ Option Value Ordering Restrictions	
Option value	Restriction
L24	Not available with OUTCTR option.
SBLW, SBLMB, SBLGV, SBLSKGY	Not for use with THCLX, CLXANGBKT or WGCLX accessories. Not available L24 or with RDL lens options.
FDL, RDL, WDL	Only available with general distribution.
AD2, ND, WD	Available L/Lens only.
THCLX ____	Not available with louvers, wireguards, or wide reflectors.
CLXANGBKT ____	Not available with louvers, wireguards, or wide reflectors.
WGCLX24, WGCLX36, WGCLX48	Not for use with CLX reflector accessories. XX detonates paint finish (EX. WGCLX48 WH).

DC-powered Lighting, DC2DC Architecture

Acuity Brands' DC2DC architecture provides for distributed low-voltage DC power and digital controls for a range of LED luminaires, including the CLX series.

The DC2DC architecture enhances an LED lighting system's efficiency by eliminating the need and cost to convert AC to DC power at the luminaire and facilitating the installation and commissioning of lighting controls. Intrinsically more efficient by design, our DC-powered lighting architecture also delivers savings at design and installation, facilitates maintenance, and empowers lighting design focused on sustainable and well-being applications.

Components include:

- DCHUB (ordered separately), distributes DC power up to 1080 VA of DC-powered LED luminaires including support for emergency lighting.
- 57 VDC powered LED luminaires, with Static CCT or Tunable White, based on control options.
- nLight® lighting control
 - Integral or offboard wired networked lighting control, with nLight control devices (ordered separately).
 - Embedded nLight AIR wireless devices in 57VDC powered Static CCT LED luminaires.
- Class 2 power and control cables.
- The number of luminaires that can be supported by a single DCHUB port is a function of luminaire wattage and conductor losses. Please refer to the fixture wattages listed and the DCHUB spec sheet for additional details. Alternatively, the LED luminaires can be supplied with an approved, UL Listed, Class 2 power source supplying between 52.3 and 57.0 VDC at the input to the luminaire.

Note:

All luminaires require 57VDC option along with the corresponding Control Input option for DALI or DALI8 external nPS80 DALI 57VDC wired nLight control or NLTAIR2 or NLTAIREM2 embedded wireless lighting control.

When using external wired nLight control, nPS80 DALI 57 VDC is mounted locally with the controlled luminaires. Only 2 #16 AWG (min.) conductors are necessary between the DC power source and the nPS80 DALI controller, and 4 conductors between the controller and the luminaires.

When using nLight embedded wireless controls only 2 #16 AWG (min.) conductors are necessary between the DC power source and the luminaire runs.

One NLTAIR2 Device is used per device address, so if two devices are present in the fixture both will need to be commissioned.

Click [DC2DC](#) for more information.

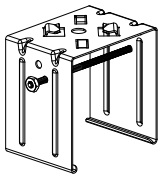
DIMENSIONS

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

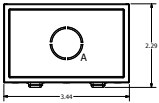
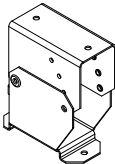
PALLET DIMENSIONS

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

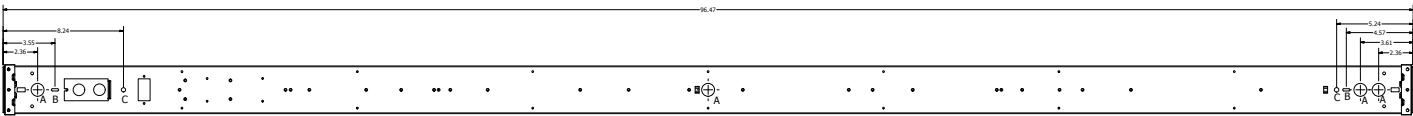


CLXANGBKT - SHIPS TWO PER ORDER
HOLES TO MOUNTING STRUCTURE ARE 0.175" DIA, 2.5" APART
FIXTURE SITS APPROXIMATELY 3.5" FROM STRUCTURE
WHEN MOUNTED HORIZONTAL TO STRUCTURE

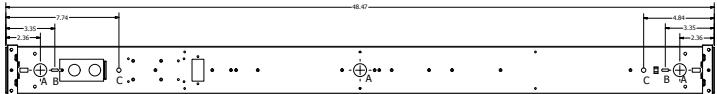


INTEGRATED SENSOR ADDS 4.75 INCHES TO STANDALONE FIXTURE LENGTH
HOUSING END CAP ADDS 0.236 INCHES TO FIXTURE LENGTH PER SIDE

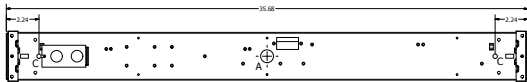
A - 7/8" KNOCK OUT
B - 0.5" by 0.16" SLOT
C - 0.3" DIA HOLE



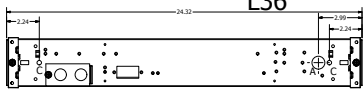
L96



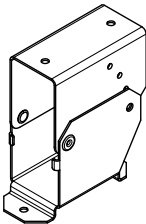
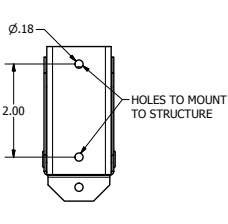
L48



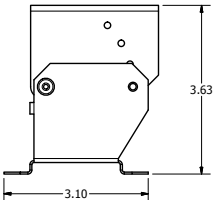
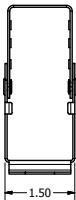
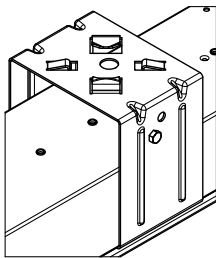
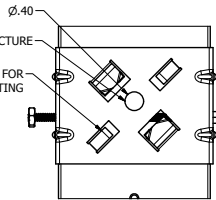
L36



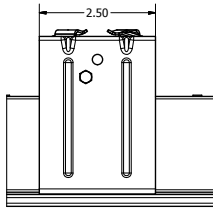
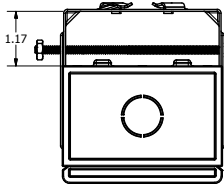
L24



USE TO MOUNT TO STRUCTURE
FEATURES FOR T-GRID MOUNTING



CLX ANGLE BRACKET
(SHOWN IN THE 0 DEG POSITION)



CLX MOUNTING BRACKET ASSEMBLED

PHOTOMETRICS

See www.lithonia.com.

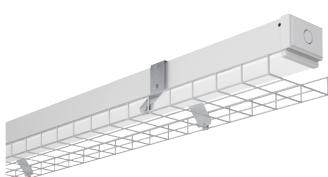
OPTIONS AND ACCESSORIES



Wide decorative reflector

Ships separately from fixture.

Order as:
CLXRW24
CLXRW36
CLXRW48
CLXRW96



Wireguard

Ships separately from fixture:
96" fixture requires two WGCLX48.

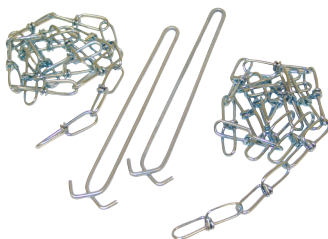
Order as:
WGCLX24
WGCLX36
WGCLX48



Aircraft Cable with Canopy

Available in 120" or 240"

Order as:
ZAC120
ZAC240



HANGER CHAIN

36" chain with Y hanger. ships as a pair

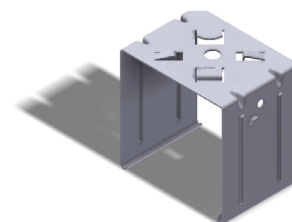
Order as:
HC36



ZACVH HANGER

10' Aircraft cable with Y hanger.

Order as:
ZACVH



Tong hanger

Ships as a pair

Order As:
THCLX