

DIGITAL NAVIGATION

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FEATURES & SPECIFICATIONS

INTENDED USE — The CPX Series LED is an extension of the Lithonia CPX platform and has a back-lit panel that features an external driver. This cost-effective, reliable flat panel is visually comfortable and can be recessed mounted. Suitable for many applications such as schools, offices, retail, convenience stores, hospitals, healthcare facilities and other commercial spaces. Certain airborne contaminants can diminish the integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#) **U.S. Patent No. 10,681,784.**

This product is designed for application in Iso5-9 cleanrooms, ensuring that it does not introduce any contaminants into the environment. Additionally, it effectively seals the room from the plenum, thereby preventing any airflow between the two areas.

CONSTRUCTION — A metal frame with satin white lens provides excellent shielding and uniform luminance. With the IP65 option, the full gasketing encloses the fixture and is positioned between the bottom acrylic or polycarbonate lens and the T-grid, creating a barrier to prevent water from seeping into the fixture. CPX's low-profile design provides increased installation flexibility especially in restricted plenum spaces.

ELECTRICAL — Direct-lit Panel with Long-Life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. Greater than 70% LED lumen maintenance at 60,000 hours (L80>60,000). 0-10V dimming driver and contains non-isolated dimming leads.

Integrated Sensor (nLight® Wired Networking) — This sensor 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.

Integrated Smart Sensor (nLight Air Wireless Platform) — The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment.

LISTINGS — CSA certified to meet US and Canadian standards. Meets IP65 Rating from the room side only. Wet location listed. IP5X Rated. Some versions are IP65 rated, see Diffuser options section for details. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. IC rated. IK10 Rated with Polycarbonate lens. Tested in accordance with ISO 14644-14; suitable for ISO Class 5 -9 positive and negative pressure clean rooms. Rated for NSF/ANSI Standard 2 Light Fixture for Splash Zone and Non-Food Zone. For use in non-fire-rated installations only.

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

CPX LED PANEL

Fully Switchable Configurable

1' x 4', 2' x 2' and 2' x 4'



† Tested in accordance with ISO 14644-1; suitable in ISO Class 5-9 positive and negative pressure clean rooms.

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

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 when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

Configurable CPX Switchable LED Flat Panel



A+ Capable options indicated by this color background.



Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to www.contractorselect.com

ORDERING INFORMATION

Example: CPX 2X2 ALO7 80CRI SWW7 SWL MVOLT NLTAIR2 APIR

Series	Fixture Dimension	Lumen Output	CRI	Color Temperature	Diffuser	Voltage
CPX LED Panel	1X4 1' X 4'	AL07 Switchable Lumens - 2500LM, 3200LM, and 4000LM	80CRI 80 CRI	SWW7 Switchable white, 35K/ 40K/50K	SWL Satin White	MVOLT 120-277V 120 120V 277 277V 347 347 ‡
	2X2 2' X 2'	AL07 Switchable Lumens - 2500LM, 3200LM, and 4000LM			A12 Prismatic A12 Pattern	
	2X4 2' X 4'	AL08 Switchable lumens - 4000LM, 5000LM, and 6000LM			ASWM Acrylic Satin White Lens, Matte, IP Rated ‡ PCSWM Polycarbonate Satin White Lens, Matte, IP Rated ‡ A12M Acrylic Lens, 12 Pattern, Matte, IP Rated ‡ PC12M Polycarbonate Lens, 12 Pattern, Matte, IP Rated ‡	

Emergency Option	Control Input	Sensor	IP Rating ‡	Options
(blank)	(blank) No controls		(blank)	GLR Fast-blowing fuse ‡ GMF Slow-blowing fuse ‡
E10W	SSE Sensor Switch Embedded	APIR Occ sensing with passive infrared - on/off functionality and auto dimming photocell APDT Occ sensor dual tech (passive infrared & microphonics) and auto dimming photocell	IP65 IP65 Rated ‡	PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit ‡ PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit ‡ PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/ low voltage ‡
E10WRSTAR	NLIGHT nLight enabled NLIGHTER nLight enabled, for use with generator supply EM power NLIGHTLM nLight enabled with lumen management NLIGHTERLM nLight enabled with lumen management, for use with generator supply EM power	(blank) No sensor, Control Input function only PIR Occ sensing with passive infrared - on/off functionality PDT Occ sensor dual tech (passive infrared & microphonics) APIR Occ sensing with passive infrared - on/off functionality and auto dimming photocell APDT Occ sensor dual tech (passive infrared & microphonics)		PWS1846 Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡ PWSLV
E7W				
GTD	NLTAIR2 nLight AIR Generation 2 (wireless) enabled ‡ NLTAIREM2 nLight AIR Generation 2 (wireless) enabled and UL924 Emergency Operation, via power interrupt detection ‡	(blank) No sensor, Control Input function only APIR Occ sensing with passive infrared - on/off functionality and auto dimming photocell APDT Occ sensor dual tech (passive and microphonics) and auto dimming photocell APIREM Occ sensing with passive infrared - on/off functionality and auto dimming photocell and UL924 Emergency operation, via power interrupt detection APDTEM Occ sensing dual tech- (passive infrared & microphonics) and auto dimming photocell and UL924 Emergency operation, via power interrupt detection		DWAM Anti-Microbial paint NPLT Narrow Pallet BAA Buy America(n) Act Compliant

NOTE: ‡ indicates option chosen has ordering restriction or note. Please reference restrictions/notes chart on next page. Restriction notes are ordered in the sequence they appear in the ordering tree.

OPTION VALUE RESTRICTIONS/ NOTES

‡ Option Value Ordering Notes/ Restrictions	
Option value	Restriction
Diffuser	ASWM, PCSWM, A12M and PC12M only available when an IP rating is selected.
347	347 not available with E10W, E7W, GTD, GLR or GMF.
E10WRSTAR	Not compatible with 347V.
GTD	Not available with 347 or in 1X4 size.
GLR, GMF	Must specify voltage, only available with 120 or 277.
IP Rating	Not available with any sensor option.
IP65	Not available with BAA.
NLTAIR2	See UL924 Sequence of Operation Chart on Page 4. Can be used as a normal power sensing device for nLight AIR devices and luminaires with EM emergency options. NLTAIR2 Control Input with no Sensor not compatible with SMKSH.
NLTAIREM2	See UL924 Sequence of Operation Chart on Page 4. Leave Sensor option section blank, not available with APIR, APDT, APIREM, or APDTEM. NLTAIREM2 Control Input with no Sensor not compatible with SMKSH.
PWS1836	Not available with E10W, E7W, E10WRSTAR or GTD.
PWS1846	Only available with E10W, E7W, GTD and E10WRSTAR.
PWS1856LV	Not available with E10W, E7W or Controls.
PWS1846 PWSLV	Not available with Controls.

DIGITAL NAVIGATION

[SMKSH Mounting Data](#) [SMKSHP Mounting Data](#) [LSIX SMKSH Mounting Data](#)

FEATURES & SPECIFICATIONS

CONSTRUCTION

Designed to easily convert recessed troffers to surface mount fixtures.

Available in 1X4, 2X2, and 2X4 sizes.

See table below for fit compatibility chart.

Mounts to a variety of ceiling types.

PRODUCT SPECIFICATIONS

Housing:

22 ga cold rolled steel.

Finish:

SMKSHP version is painted after fabrication.

LISTINGS — CSA Certified to meet U.S. and Canadian standards.

WARRANTY — 1-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: <https://www.acuitybrands.com/-/media/abl/acuitybrands/files/support/warranty/abl-non-led-commercial-fixture-limited-warranty.pdf>

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

Catalog Number
Notes
Type

Surface Mount Troffer Kit

SMKSH Surface Mount Kits



ORDERING INFORMATION

Kit	Description
1X4SMKSH	Multi-Use Surface Mount Kit 1x4, Shallow Depth
2X2SMKSH	Multi-Use Surface Mount Kit 2x2, Shallow Depth
2X4SMKSH	Multi-Use Surface Mount Kit 2x4, Shallow Depth
1X4SMKSHP PAF	Multi-Use Surface Mount Kit 1X4 Post-Paint
2X2SMKSHP PAF	Multi-Use Surface Mount Kit 2X2 Post-Paint
2X4SMKSHP PAF	Multi-Use Surface Mount Kit 2X4 Post-Paint
06X2SMKSHP PAF	Lithonia SIX Surface Mount Kit 2ft Post-Paint
06X4SMKSHP PAF	Lithonia SIX Surface Mount Kit 4ft Post-Paint
06X8SMKSHP PAF	Lithonia SIX Surface Mount Kit 8ft Post-Paint

Fit Compatibility Chart

Kit	Depth	Compatible Fixtures
SMKSH	3.6"	EPANL, CPX, CPANL
SMKSHP	5.5"	SPANL, EPANL, CPANL, CPX, INDY BL, BLT, GTL ¹ , VTL/FSL, RTL, BZL, ENVX, STAK

Notes

1 SMKSH not for use with 2GTL 2 fixture with emergency battery.