LITHONIA LIGHTING®

DIGITAL NAVIGATION

Ordering Tree SensorSwitch SSAIR nLight Platform Photometrics Performance Data

Catalog Number
Notes
Type

CPX LED PANEL

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

FEATURES & SPECIFICATIONS

INTENDED USE — The CPX Series LED is a low-glare back-lit panel featuring 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. A typically configured CPX features a **Unified Glare Rating (UGR)** starting at 17. 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.**

CONSTRUCTION — A metal frame with satin white lens provides excellent shielding and uniform luminance. CPX's low-profile design provides increased installation flexibility especially in restricted plenum spaces. The back plate includes integral T-bar clips for installation into T-grid ceilings.

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. Options available for dimming to 1% or 10%. Contains non-isolated dimming leads.

Integrated Wireless Sensor (single room control) — SensorSwitch wireless dimming (SSAIR) or luminaire embedded occupancy sensor control (APIR) with SSAIR pairing for wall switch On/Off /Dimming control or auto off when the space is unoccupied. See page 8 for more details of the integrated wireless sensor.

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. Damp location listed. IC rated. IP5X Rated. 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. Rated for NSF/ANSI Standard 2 - Light Fixture for Splash Zone and Non-Food Zone. NOM Certified. For use in non-fire-rated installations only.

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.

† Tested in accordance with ISO 14644-14; suitable for 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 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.

design select

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

Configurable CPX LED Flat Panel

Design Select 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 3200LM 80CRI 40K SWL MIN10 ZT MVOLT E10W

Series	Fixture Dimension	Lumen Output ‡		CRI	Color Temperature	Diffuser	Minimum Dimming Level
CPX LED Panel	1X4 1' X 4'	**Standard lumens:**	**High Efficiency lumens:**	80CRI 80 CRI	30K 3000K	SWL Satin White	MIN10 Dims to 10%
		2000LM 2000 Lumens	3200LMHE 3200 Lumens	90CRI 90 CRI ‡	35K 3500K	A12 Prismatic A12 Pattern	MIN1 Dims to 1% ‡
		3200LM 3200 Lumens	4000LMHE 4000 Lumens		40K 4000K		
		4000LM 4000 Lumens			50K 5000K		
		5000LM 5000 Lumens					
		6000LM 6000 Lumens					
	2X2 2' X 2'	2000LM 2000 Lumens	3200LMHE 3200 Lumens				
		3200LM 3200 Lumens	4000LMHE 4000 Lumens				
		4000LM 4000 Lumens					
		5000LM 5000 Lumens					
		6000LM 6000 Lumens					
	2X4 2' X 4'	3000LM 3000 Lumens	4000LMHE 4000 Lumens				
		4000LM 4000 Lumens	5000LMHE 5000 Lumens				
		5000LM 5000 Lumens					
		6000LM 6000 Lumens					
		7200LM 7200 Lumens					
		8500LM 8500 Lumens					
		10000LM 10000 Lumens ‡					

Dimming ‡	Voltage	Step Level Dimming	Emergency Option
(blank) If Controls are being used.	MVOLT MVOLT, 120-277V	(blank) None	(blank) No battery
ZT Generic 0-10V Dimming	120 120V	SLD Step Level Dimming ‡	E10W Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS, CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with remote Test Switch (LINK) ‡
EZT eldoLED 0-10V Dimming ‡	277 277V		E10WRSTAR Emergency Battery Pack with Remote Test Switch, Enabled with STAR ‡
	347 347 ‡		E7W Emergency Battery Pack with Remote Test Switch, 7W, CA Title 20 Noncompliant ‡
			GTD Generator Transfer Device ‡

Control Input	Sensor	Options
(blank) No controls	(blank) No sensor	GLR Fast-blowing fuse ‡
SSE Sensor Switch Embedded	APIR Passive Infrared Occ sensor with auto-dimming photocell	GMF Slow-blowing Fuse ‡
	APDT Occ sensor dual tech (passive infrared & microphonics) and auto dimming photocell	PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit ‡
	VAPIR Vertex low-profile on/off occupancy sensor with auto dimming photocell	PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit ‡
NLIGHT nLight enabled	(blank) No sensor, Control Input function only	PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/ low voltage ‡
NLIGHTER nLight enabled, for use with generator supply EM power	PIR Occ sensing with passive infrared - on/off functionality	PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡
NLIGHTLM nLight enabled with lumen management	PDT Occ sensor dual tech (passive infrared & microphonics)	DWAM Anti-Microbial paint
NLIGHTERLM nLight enabled with lumen management, for use with generator supply EM power	APIR Passive Infrared Occ sensor with auto-dimming photocell	CP Chicago plenum ‡
	APDT Occ sensor dual tech (passive and microphonics) and auto dimming photocell.	NPLT Narrow Pallet
NLTAIR2 nLight AIR Generation 2 (wireless) enabled ‡	(blank) No sensor, Control Input function only	BAA Buy America(n) Act and/or Build America Buy America Qualified
NLTAIREM2 nLight AIR Generation 2 (wireless) enabled and UL924 Emergency Operation, via power interrupt detection. ‡	APIR Passive Infrared Occ sensor with auto-dimming photocell	
	APDT Occ sensor dual tech (passive and microphonics) and auto dimming photocell	
SSAIR Wireless standalone embedded control by SensorSwitch. ‡	(blank) No sensor, Control Input function only	
	VAPIR Vertex low-profile on/off occupancy sensor with auto dimming photocell	

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

OPTION VALUE RESTRICTIONS/ NOTES

‡ Option Value Ordering Notes/ Restrictions	
Option value	**Restriction**
Lumen Output High Efficiency (HE)	HE is not available with 90CRI.
10000LM	Not available with SSAIR or with APIR.
MIN1	Required for all Control Input Options, except SSAIR.
90CRI	Not available with any HE lumen package.
Dimming	If Control Input option selected leave this section blank.
EZT	Not available with 10000LM combined with 2X4.
347	347 not available with SLD, E10W, E7W, and GTD Options.
SLD	Leave **Minimum Dimming Level** and **Dimming** option sections blank. Not available with MIN1, MIN10, EZT, ZT or GTD. Not available with any controls.
E10W, E7W	Not available with 347. Configurations with E10W or E7W to be used in daisy chaining or through wiring will require a Y connector not supplied. If used with CP option the contractor must verify that the Y connector is Chicago Plenum rated.
E10WRSTAR	Not compatible with 347.
GTD	Not available with 347, SLD or in 1X4 combined with 6000LM.
NLTAIR2	See UL924 Sequence of Operation Chart below. 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 below. NLTAIREM2 Control Input with no Sensor not compatible with SMKSH.
GLR, GMF	Must specify voltage, only available with 120 or 277V.
PWS1836	Not available with E10W, E7W, GTD or E10WRSTAR.
PWS1846	Only available with E10W, E7W or SLD.
PWS1856LV	Not available with E10W, E7W or Controls.
PWS1846 PWSLV	Not available with Controls or SLD.
CP	CP Not available with PWS1836, PWS1846, PWS1856LV, or PWS1846 PWSLV, NLIGHT, NLIGHTER, NLIGHTLM, NLIGHTERLM options.

Design Select options indicated by this color background.

ACCESSORIES

Accessories: *Order as separate catalog number.*	
ILBLP CP10 HE SD A	IOTA 10 Watt Constant Power, High Efficiency LED Emergency Driver for CA Title 20 ‡
ELA PSDMT	Remote mount tray for ILBLP battery.
DGA14	Drywall grid adapter for 1x4 recessed fixture.
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.
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
PAC 2DNF 36	Panel Air Craft Kit, 2 cables with Y splitter, No Power Feed, 36 inches. Recommended for 2X2 or 1X4 Panel Fixture.
PAC 2DF 36	Panel Air Craft Kit, 2 cables with Y splitter, with Power Feed, 36 inches. Recommended for 2X2 or 1X4 Panel Fixture. [1]
PAC 4DNF 36	Panel Air Craft Kit, 4 cables, No Power Feed, 36 inches. Recommended for 2X4 or 2X2 or 1X4 Panel Fixtures.
PAC 4DF 36	Panel Air Craft Kit, 4 cables, with Power Feed, 36 inches. Recommended for 2X4 or 2X2 or 1X4 Panel Fixtures. [1]
PAC 2DNF 72	Panel Air Craft Kit, 2 cables with Y splitter, No Power Feed 72 inches. Recommended for 2X2 or 1X4 Panel Fixture.
PAC 2DF 72	Panel Air Craft Kit, 2 cables with Y splitter, with Power Feed, 72 inches. Recommended for 2X2 or 1X4 Panel Fixture. [1]
PAC 4DNF 72	Panel Air Craft Kit, 4 cables, No Power Feed, 72 inches. Recommended for 2X4 or 2X2 or 1X4 Panel Fixtures.
PAC 4DF 72	Panel Air Craft Kit, 4 cables, with Power Feed, 72 inches. Recommended for 2X4 or 2X2 or 1X4 Panel Fixtures. [1]
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40
CPX Gasket Kit	Fixture/Grid foam gasket, cut to size, 2x4/1x4/2x2 [2]

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

Notes

1 For MVOLT only, not available with 347V.
2 CPX Gasket kit accommodates a single 1x4, 2x2 or 2x4 CPX fixture. This kit does not make the fixture IP65 compliant.

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CL**AIR**ITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

Emergency Battery Pack Options - Field Installable

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

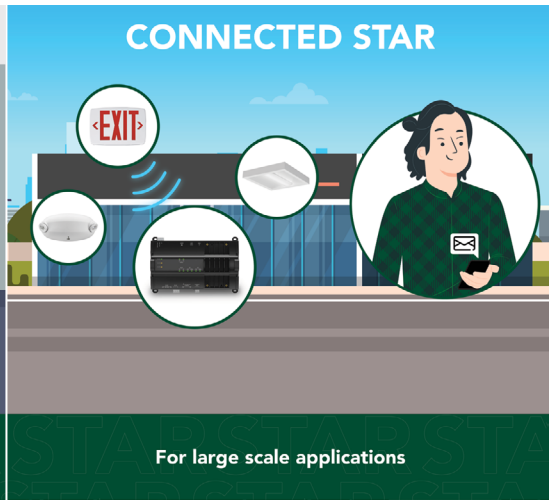
All the above are UL Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

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 CIAIRity™+ 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



PERFORMANCE DATA

Model #	Lumens	LPW	Watts
CPX 2X2 2000LM 80CRI 30K SWL	2092	134.1	15.6
CPX 2X2 2000LM 80CRI 30K A12	2013	129.1	15.6
CPX 2X2 2000LM 80CRI 35K SWL	2167	138.9	15.6
CPX 2X2 2000LM 80CRI 35K A12	2085	133.7	15.6
CPX 2X2 2000LM 80CRI 40K SWL	2206	141.4	15.6
CPX 2X2 2000LM 80CRI 40K A12	2122	136.1	15.6
CPX 2X2 2000LM 80CRI 50K SWL	2212	141.8	15.6
CPX 2X2 2000LM 80CRI 50K A12	2128	136.4	15.6
CPX 2X2 3200LM 80CRI 30K SWL	3542	117.7	30.1
CPX 2X2 3200LM 80CRI 30K A12	3408	113.2	30.1
CPX 2X2 3200LM 80CRI 35K SWL	3669	121.9	30.1
CPX 2X2 3200LM 80CRI 35K A12	3530	117.3	30.1
CPX 2X2 3200LM 80CRI 40K SWL	3734	124.1	30.1
CPX 2X2 3200LM 80CRI 40K A12	3593	119.4	30.1
CPX 2X2 3200LM 80CRI 50K SWL	3744	124.4	30.1
CPX 2X2 3200LM 80CRI 50K A12	3603	119.7	30.1
CPX 2X2 3200LMHE 80CRI 30K SWL	3542	127.1	27.9
CPX 2X2 3200LMHE 80CRI 30K A12	3408	122.3	27.9
CPX 2X2 3200LMHE 80CRI 35K SWL	3669	131.7	27.9
CPX 2X2 3200LMHE 80CRI 35K A12	3530	126.7	27.9
CPX 2X2 3200LMHE 80CRI 40K SWL	3734	134.0	27.9
CPX 2X2 3200LMHE 80CRI 40K A12	3593	129.0	27.9
CPX 2X2 3200LMHE 80CRI 50K SWL	3744	134.4	27.9
CPX 2X2 3200LMHE 80CRI 50K A12	3603	129.3	27.9
CPX 2X2 4000LM 80CRI 30K SWL	4272	117.7	36.3
CPX 2X2 4000LM 80CRI 30K A12	4111	113.2	36.3
CPX 2X2 4000LM 80CRI 35K SWL	4425	121.9	36.3
CPX 2X2 4000LM 80CRI 35K A12	4257	117.3	36.3
CPX 2X2 4000LM 80CRI 40K SWL	4504	124.1	36.3
CPX 2X2 4000LM 80CRI 40K A12	4334	119.4	36.3
CPX 2X2 4000LM 80CRI 50K SWL	4516	124.4	36.3
CPX 2X2 4000LM 80CRI 50K A12	4346	119.7	36.3
CPX 2X2 4000LMHE 80CRI 30K SWL	4272	123.7	34.5
CPX 2X2 4000LMHE 80CRI 30K A12	4111	119.0	34.5
CPX 2X2 4000LMHE 80CRI 35K SWL	4425	128.1	34.5
CPX 2X2 4000LMHE 80CRI 35K A12	4257	123.3	34.5
CPX 2X2 4000LMHE 80CRI 40K SWL	4504	130.4	34.5
CPX 2X2 4000LMHE 80CRI 40K A12	4334	125.5	34.5
CPX 2X2 4000LMHE 80CRI 50K SWL	4516	130.8	34.5
CPX 2X2 4000LMHE 80CRI 50K A12	4346	125.8	34.5
CPX 2X2 5000LM 80CRI 30K SWL	5186	124.1	41.8
CPX 2X2 5000LM 80CRI 30K A12	4990	119.4	41.8
CPX 2X2 5000LM 80CRI 35K SWL	5371	128.5	41.8
CPX 2X2 5000LM 80CRI 35K A12	5168	123.6	41.8
CPX 2X2 5000LM 80CRI 40K SWL	5468	130.8	41.8
CPX 2X2 5000LM 80CRI 40K A12	5261	125.9	41.8
CPX 2X2 5000LM 80CRI 50K SWL	5482	131.2	41.8
CPX 2X2 5000LM 80CRI 50K A12	5275	126.2	41.8
CPX 2X2 6000LM 80CRI 30K SWL	6354	117.4	54.1
CPX 2X2 6000LM 80CRI 30K A12	6114	113.0	54.1
CPX 2X2 6000LM 80CRI 35K SWL	6581	121.6	54.1
CPX 2X2 6000LM 80CRI 35K A12	6332	117.0	54.1
CPX 2X2 6000LM 80CRI 40K SWL	6699	123.8	54.1
CPX 2X2 6000LM 80CRI 40K A12	6446	119.1	54.1
CPX 2X2 6000LM 80CRI 50K SWL	6717	124.1	54.1
CPX 2X2 6000LM 80CRI 50K A12	6463	119.4	54.1

Model #	Lumens	LPW	Watts
CPX 2X4 3000LM 80CRI 30K SWL	3207	130.5	24.6
CPX 2X4 3000LM 80CRI 30K A12	3102	126.3	24.6
CPX 2X4 3000LM 80CRI 35K SWL	3287	133.8	24.6
CPX 2X4 3000LM 80CRI 35K A12	3180	129.4	24.6
CPX 2X4 3000LM 80CRI 40K SWL	3368	137.1	24.6
CPX 2X4 3000LM 80CRI 40K A12	3258	132.6	24.6
CPX 2X4 3000LM 80CRI 50K SWL	3412	138.9	24.6
CPX 2X4 3000LM 80CRI 50K A12	3300	134.3	24.6
CPX 2X4 4000LM 80CRI 30K SWL	4700	128.1	36.7
CPX 2X4 4000LM 80CRI 30K A12	4546	123.9	36.7
CPX 2X4 4000LM 80CRI 35K SWL	4818	131.3	36.7
CPX 2X4 4000LM 80CRI 35K A12	4660	127.0	36.7
CPX 2X4 4000LM 80CRI 40K SWL	4936	134.5	36.7
CPX 2X4 4000LM 80CRI 40K A12	4775	130.1	36.7
CPX 2X4 4000LM 80CRI 50K SWL	5000	136.3	36.7
CPX 2X4 4000LM 80CRI 50K A12	4837	131.8	36.7
CPX 2X4 4000LMHE 80CRI 30K SWL	4814	138.3	34.8
CPX 2X4 4000LMHE 80CRI 30K A12	4657	133.8	34.8
CPX 2X4 4000LMHE 80CRI 35K SWL	4986	143.3	34.8
CPX 2X4 4000LMHE 80CRI 35K A12	4823	138.6	34.8
CPX 2X4 4000LMHE 80CRI 40K SWL	5075	145.8	34.8
CPX 2X4 4000LMHE 80CRI 40K A12	4910	141.1	34.8
CPX 2X4 4000LMHE 80CRI 50K SWL	5089	146.2	34.8
CPX 2X4 4000LMHE 80CRI 50K A12	4923	141.4	34.8
CPX 2X4 5000LM 80CRI 30K SWL	4945	123.6	40.0
CPX 2X4 5000LM 80CRI 30K A12	4783	119.6	40.0
CPX 2X4 5000LM 80CRI 35K SWL	5069	126.7	40.0
CPX 2X4 5000LM 80CRI 35K A12	4904	122.6	40.0
CPX 2X4 5000LM 80CRI 40K SWL	5193	129.8	40.0
CPX 2X4 5000LM 80CRI 40K A12	5024	125.6	40.0
CPX 2X4 5000LM 80CRI 50K SWL	5261	131.5	40.0
CPX 2X4 5000LM 80CRI 50K A12	5089	127.2	40.0
CPX 2X4 5000LMHE 80CRI 30K SWL	5437	136.6	39.8
CPX 2X4 5000LMHE 80CRI 30K A12	5260	132.1	39.8
CPX 2X4 5000LMHE 80CRI 35K SWL	5631	141.5	39.8
CPX 2X4 5000LMHE 80CRI 35K A12	5447	136.8	39.8
CPX 2X4 5000LMHE 80CRI 40K SWL	5732	144.0	39.8
CPX 2X4 5000LMHE 80CRI 40K A12	5545	139.3	39.8
CPX 2X4 5000LMHE 80CRI 50K SWL	5748	144.4	39.8
CPX 2X4 5000LMHE 80CRI 50K A12	5560	139.7	39.8
CPX 2X4 6000LM 80CRI 30K SWL	5777	138.3	41.8
CPX 2X4 6000LM 80CRI 30K A12	5588	133.8	41.8
CPX 2X4 6000LM 80CRI 35K SWL	5983	143.2	41.8
CPX 2X4 6000LM 80CRI 35K A12	5788	138.6	41.8
CPX 2X4 6000LM 80CRI 40K SWL	6091	145.8	41.8
CPX 2X4 6000LM 80CRI 40K A12	5892	141.1	41.8
CPX 2X4 6000LM 80CRI 50K SWL	6107	146.2	41.8
CPX 2X4 6000LM 80CRI 50K A12	5908	141.4	41.8
CPX 2X4 7200LM 80CRI 30K SWL	7405	130.9	56.6
CPX 2X4 7200LM 80CRI 30K A12	7163	126.6	56.6
CPX 2X4 7200LM 80CRI 35K SWL	7669	135.6	56.6
CPX 2X4 7200LM 80CRI 35K A12	7419	131.2	56.6
CPX 2X4 7200LM 80CRI 40K SWL	7807	138.0	56.6
CPX 2X4 7200LM 80CRI 40K A12	7552	133.5	56.6
CPX 2X4 7200LM 80CRI 50K SWL	7828	138.4	56.6
CPX 2X4 7200LM 80CRI 50K A12	7573	133.9	56.6
CPX 2X4 8500LM 80CRI 30K SWL	8831	124.6	70.9
CPX 2X4 8500LM 80CRI 30K A12	8543	120.5	70.9
CPX 2X4 8500LM 80CRI 35K SWL	9146	129.0	70.9
CPX 2X4 8500LM 80CRI 35K A12	8848	124.8	70.9
CPX 2X4 8500LM 80CRI 40K SWL	9310	131.4	70.9
CPX 2X4 8500LM 80CRI 40K A12	9007	127.1	70.9
CPX 2X4 8500LM 80CRI 50K SWL	9336	131.7	70.9
CPX 2X4 8500LM 80CRI 50K A12	9031	127.4	70.9
CPX 2X4 10000LM 80CRI 30K SWL	10422	119.0	87.6
CPX 2X4 10000LM 80CRI 30K A12	10082	115.1	87.6
CPX 2X4 10000LM 80CRI 35K SWL	10794	123.3	87.6
CPX 2X4 10000LM 80CRI 35K A12	10442	119.3	87.6
CPX 2X4 10000LM 80CRI 40K SWL	10988	125.5	87.6
CPX 2X4 10000LM 80CRI 40K A12	10629	121.4	87.6
CPX 2X4 10000LM 80CRI 50K SWL	11018	125.8	87.6
CPX 2X4 10000LM 80CRI 50K A12	10658	121.7	87.6

Model #	Lumens	LPW	Watts
CPX 1X4 2000LM 80CRI 30K SWL	2048	119.2	17.2
CPX 1X4 2000LM 80CRI 30K A12	2010	117.0	17.2
CPX 1X4 2000LM 80CRI 35K SWL	2100	122.2	17.2
CPX 1X4 2000LM 80CRI 35K A12	2061	120.0	17.2
CPX 1X4 2000LM 80CRI 40K SWL	2151	125.2	17.2
CPX 1X4 2000LM 80CRI 40K A12	2111	122.9	17.2
CPX 1X4 2000LM 80CRI 50K SWL	2179	126.9	17.2
CPX 1X4 2000LM 80CRI 50K A12	2139	124.5	17.2
CPX 1X4 3200LM 80CRI 30K SWL	3232	110.3	29.3
CPX 1X4 3200LM 80CRI 30K A12	3172	108.2	29.3
CPX 1X4 3200LM 80CRI 35K SWL	3313	113.1	29.3
CPX 1X4 3200LM 80CRI 35K A12	3251	111.0	29.3
CPX 1X4 3200LM 80CRI 40K SWL	3394	115.8	29.3
CPX 1X4 3200LM 80CRI 40K A12	3331	113.7	29.3
CPX 1X4 3200LM 80CRI 50K SWL	3439	117.3	29.3
CPX 1X4 3200LM 80CRI 50K A12	3375	115.2	29.3
CPX 1X4 3200LMHE 80CRI 30K SWL	3353	124.3	27.0
CPX 1X4 3200LMHE 80CRI 30K A12	3291	122.0	27.0
CPX 1X4 3200LMHE 80CRI 35K SWL	3473	128.8	27.0
CPX 1X4 3200LMHE 80CRI 35K A12	3408	126.4	27.0
CPX 1X4 3200LMHE 80CRI 40K SWL	3535	131.1	27.0
CPX 1X4 3200LMHE 80CRI 40K A12	3469	128.6	27.0
CPX 1X4 3200LMHE 80CRI 50K SWL	3545	131.4	27.0
CPX 1X4 3200LMHE 80CRI 50K A12	3479	129.0	27.0
CPX 1X4 4000LM 80CRI 30K SWL	4069	114.6	35.5
CPX 1X4 4000LM 80CRI 30K A12	3994	112.4	35.5
CPX 1X4 4000LM 80CRI 35K SWL	4172	117.4	35.5
CPX 1X4 4000LM 80CRI 35K A12	4094	115.3	35.5
CPX 1X4 4000LM 80CRI 40K SWL	4274	120.3	35.5
CPX 1X4 4000LM 80CRI 40K A12	4194	118.1	35.5
CPX 1X4 4000LM 80CRI 50K SWL	4330	121.9	35.5
CPX 1X4 4000LM 80CRI 50K A12	4249	119.6	35.5
CPX 1X4 4000LMHE 80CRI 30K SWL	4154	123.8	33.5
CPX 1X4 4000LMHE 80CRI 30K A12	4077	121.5	33.5
CPX 1X4 4000LMHE 80CRI 35K SWL	4302	128.2	33.5
CPX 1X4 4000LMHE 80CRI 35K A12	4222	125.9	33.5
CPX 1X4 4000LMHE 80CRI 40K SWL	4380	130.5	33.5
CPX 1X4 4000LMHE 80CRI 40K A12	4298	128.1	33.5
CPX 1X4 4000LMHE 80CRI 50K SWL	4391	130.9	33.5
CPX 1X4 4000LMHE 80CRI 50K A12	4310	128.5	33.5
CPX 1X4 5000LM 80CRI 30K SWL	4988	118.1	42.2
CPX 1X4 5000LM 80CRI 30K A12	4895	115.9	42.2
CPX 1X4 5000LM 80CRI 35K SWL	5166	122.3	42.2
CPX 1X4 5000LM 80CRI 35K A12	5070	120.0	42.2
CPX 1X4 5000LM 80CRI 40K SWL	5259	124.5	42.2
CPX 1X4 5000LM 80CRI 40K A12	5161	122.2	42.2
CPX 1X4 5000LM 80CRI 50K SWL	5273	124.8	42.2
CPX 1X4 5000LM 80CRI 50K A12	5175	122.5	42.2
CPX 1X4 6000LM 80CRI 30K SWL	6373	114.9	55.4
CPX 1X4 6000LM 80CRI 30K A12	6254	112.8	55.4
CPX 1X4 6000LM 80CRI 35K SWL	6601	119.0	55.4
CPX 1X4 6000LM 80CRI 35K A12	6478	116.8	55.4
CPX 1X4 6000LM 80CRI 40K SWL	6719	121.2	55.4
CPX 1X4 6000LM 80CRI 40K A12	6594	118.9	55.4
CPX 1X4 6000LM 80CRI 50K SWL	6737	121.5	55.4
CPX 1X4 6000LM 80CRI 50K A12	6612	119.2	55.4

Optical Performance

UGR Values of CPX 1x4 @ **80CRI** and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)				
Lumen Package	A12		SWL	
	Crosswise	Endwise	Crosswise	Endwise
2000LM	17.5	17.6	19.8	19.5
3200LM	19.1	19.2	21.4	21.1
3200LMHE	19.3	19.3	21.5	21.3
4000LM	19.9	20	22.2	21.9
4000LMHE	20	20.1	22.3	22
5000LM	20.6	20.7	22.9	22.6
6000LM	21.5	21.6	23.8	23.5

UGR Values of CPX 2x2 @ **80CRI** and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)				
Lumen Package	A12		SWL	
	Crosswise	Endwise	Crosswise	Endwise
2000LM	17.3	17.6	19.7	19.5
3200LM	19.1	19.4	21.5	21.3
3200LMHE	19.1	19.4	21.5	21.3
4000LM	19.7	20.1	22.2	22
4000LMHE	19.7	20.1	22.2	22
5000LM	20.4	20.8	22.9	22.6
6000LM	21.1	21.5	23.6	23.3

UGR Values of CPX 2x4 @ **80CRI** and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)				
Lumen Package	A12		SWL	
	Crosswise	Endwise	Crosswise	Endwise
3000LM	16.2	16.4	18.5	18.4
4000LM	17.4	17.8	19.9	19.7
4000LMHE	17.6	17.9	20	19.9
5000LM	17.7	17.9	20	19.9
5000LMHE	18	18.3	20.4	20.3
6000LM	18.2	18.5	20.6	20.5
7200LM	19.1	19.4	21.5	21.4
8500LM	19.7	20	22.1	22
10000LM	20.3	20.6	22.7	22.5

*UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.

Lumen Maintenance

Reported Lumen Maintenance	**Forecasted Lumen Maintenance**
L90 @ 37k Hrs / L80 @ >60k Hrs / L70 @ > 60k Hrs	L90 @ 37k Hrs / L80 @ 76k Hrs / L70 @ 120k Hrs

*Note - Reported LM based on IES standard 6X test period for LM-80 report. Forecasted LM based on TM-21 report extrapolation past 6X LM-80 testing.

CPX compatible with Sensor Switch™ WSX-D and SPOD wall switches.

WSX-D

SPOD

PHOTOMETRICS

Please click link to access Photometry & Revit (BIM)

Intelligent Luminaire Technology Guide

Choose nomenclature from these columns

Control/ Sensor Configurations

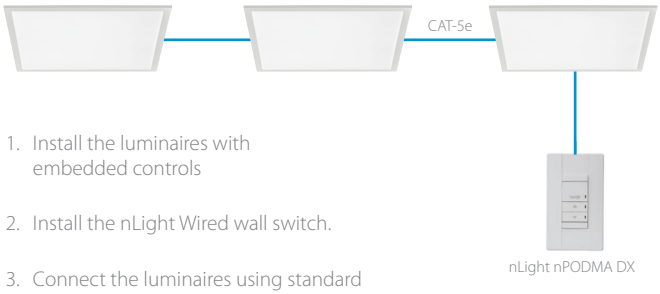
Control Input		Sensor		Sensor	Notes
SSE	+	APIR	=	MSD 7 ADCX	Individual fixture control only. PIR integral occupancy sensor with automatic dimming control photocell.
SSE	+	APDT	=	MSD PDT 7 ADCX	Individual fixture control only. PDT integral occupancy sensor with automatic dimming control photocell.
SSE	+	VAPIR	=	VERTEX EZ ADC VLP	Vertex passive Infrared occupancy sensor with automatic dimming photocell with VLP programming
SSAIR	+	(blank)	=	BTRM SSA BTA	Wireless room control with SensorSwitch AIR
SSAIR	+	VAPIR	=	BTRM SSA BTA + VERTEX EZ ADC VLP	Wireless room control with SensorSwitch AIR and Vertex passive Infrared occupancy sensor with automatic dimming photocell with VLP programming.
NLIGHT	+	(blank)	=	nIO EZ PH	nLight enabled only. No onboard sensor.
NLIGHT	+	PIR	=	nIO EZ PH + nES 7	nLight enabled with PIR integral occupancy sensor.
NLIGHT	+	PDT	=	nIO EZ PH + nES PDT 7	nLight enabled with dual technology occupancy control sensor.
NLIGHT	+	APIR	=	nIO EZ PH + nES 7 ADCX	nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHT	+	APDT	=	nIO EZ PH + nES PDT 7 ADCX	nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.
NLIGHTER	+	(blank)	=	nIO EZ PH ER	Emergency nLight enabled only. No onboard sensor.
NLIGHTER	+	PIR	=	nIO EZ PH ER + nES 7	Emergency nLight enabled with PIR integral occupancy sensor.
NLIGHTER	+	PDT	=	nIO EZ PH ER + nES PDT 7	Emergency nLight enabled with dual technology occupancy control sensor.
NLIGHTER	+	APIR	=	nIO EZ PH ER + nES 7 ADCX	Emergency nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHTER	+	APDT	=	nIO EZ PH ER + nES PDT 7 ADCX	Emergency nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.
NLIGHTLM	+	(blank)	=	nIO EZ PH N80	nLight enabled only with 80% constant lumen managment. No onboard sensor.
NLIGHTLM	+	PIR	=	nIO EZ PH N80 + nES 7	nLight enabled with 80% contstant lumen managment with PIR integral occupancy sensor.
NLIGHTLM	+	PDT	=	nIO EZ PH N80 + nES PDT 7	nLight enabled with 80% contstant lumen management with dual technology occupancy control sensor.
NLIGHTLM	+	APIR	=	nIO EZ PH N80 + nES 7 ADCX	nLight enabled with 80% contstant lumen management with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHTLM	+	APDT	=	nIO EZ PH N80 + nES PDT 7 ADCX	nLight enabled with 80% contstant lumen managmentwith dual technology occupancy controls sensor with automatic dimming photocell.
NLIGHTERLM	+	(blank)	=	nIO EZ PH ER N80	Emergency nLight enabled only with 80% contstant lumen managment. No onboard sensor.
NLIGHTERLM	+	PIR	=	nIO EZ PH ER N80 + nES 7	Emergency nLight enabled with 80% contstant lumen managment with PIR integral occupancy sensor.
NLIGHTERLM	+	PDT	=	nIO EZ PH ER N80 + nES PDT 7	Emergency nLight enabled with 80% contstant lumen management with dual technology occupancy control sensor.
NLIGHTERLM	+	APIR	=	nIO EZ PH ER N80 + nES 7 ADCX	Emergency nLight enabled with 80% contstant lumen management with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHTERLM	+	APDT	=	nIO EZ PH ER N80 + nES PDT 7 ADCX	Emergency nLight enabled with 80% contstant lumen management with dual technology occupancy controls sensor with automatic dimming photocell.
NLTAIR2	+	(blank)	=	RIO EZ PH 180D G2	nLight AIR Generation 2 enabled.
NLTAIREM2	+	(blank)	=	RIO EZ PH ER 180D G2	nLight AIR Generation 2 enabled
NLTAIR2	+	APIR	=	RES7 G2	nLight AIR Generation 2 enabled.
NLTAIR2	+	APDT	=	RES7 PDT 90D G2	nLight AIR Generation 2 enabled.
NLTAIR2	+	APIREM	=	RES7 EM 90D G2	nLight AIR Generation 2 enabled.
NLTAIR2	+	APDTEM	=	RES7 PDT EM 90D G2	nLight AIR Generation 2 enabled.

Single Lighting Controls Platform for Indoor & Oudoor 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



1. Install the luminaires with embedded controls
2. Install the nLight Wired wall switch.
3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play).

Wireless Embedded Controls

1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CL**AIR**ITY + mobile app to pair the fixture with the wall switch and is desired, customize the sensor settings

nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, adds and changes
Wireless Wall Switch (nLight AIR Only)	Ease and flexibility of placement
Astronomical and Time of Day Scheduling	Energy savings and building security
Scalable Solution	nLight controls to grow with your business
Future-Ready	nLight platform to set foundation for future upgrades and capabilities

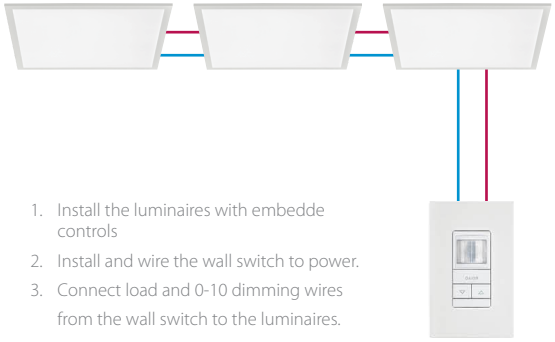
sensorswitch

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



1. Install the luminaires with embedde controls
2. Install and wire the wall switch to power.
3. Connect load and 0-10 dimming wires from the wall switch to the luminaires.

SensorSwitch WSXA D

Wireless Embedded Controls

CPX Series

1. Install the luminaires with embedde controls
2. Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

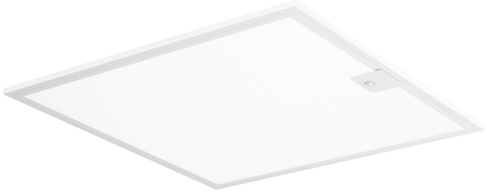
SensorSwitch WSXA SSA

CPX 2X4 with SSAIR APIR Sensor

CPX 1X4 with SSAIR APIR Sensor

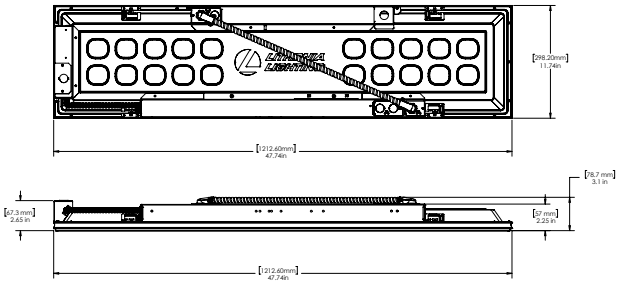
CPX 2X2 RES7

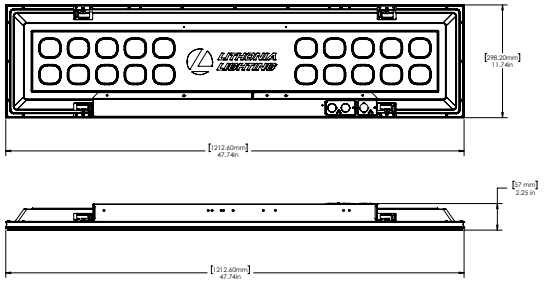
CPX 2X2 with SSAIR APIR Sensor



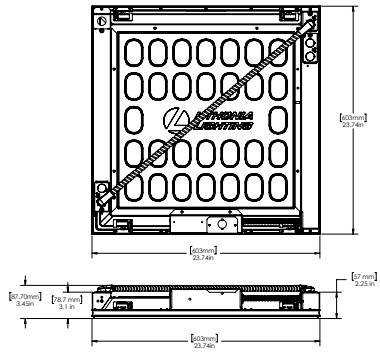
DIMENSIONS

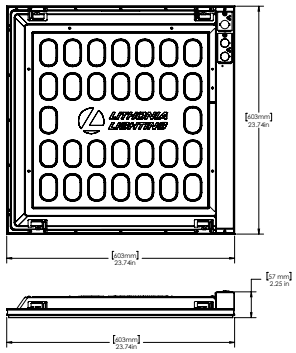
Length: 47.8" 121.4cm
Width: 11.8" 30.0cm
Depth: 2.3" 5.7cm
Weight:
Unit: 9.25 lbs
Unit Carton: 10.25 lbs



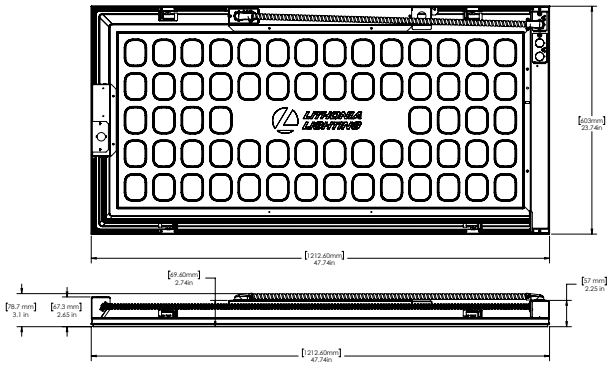


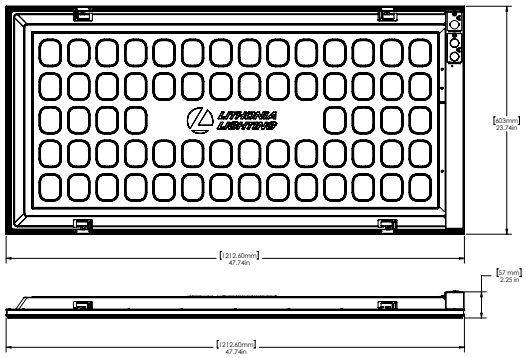
Length: 23.8" 60.5cm
Width: 23.8" 60.5cm
Depth: 2.3" 5.7cm
Weight:
Unit: 9.45lbs
Unit Carton: 10.45lbs





Length: 47.8" (121.4cm)
Width: 23.8" 60.5cm
Depth: 2.3" 5.7cm
Weight:
Unit: 17.25 lbs
Unit Carton: 19.25 lbs





All dimensions are the same except the height with the STAR configuration. Includes conduit
1X4- 3.21"-depth
2X2- 3.24"-depth
2X4-3.25"-depth

