LITHONIA LIGHTING®

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 (JOT) or luminaire embedded occupancy sensor control (VPIR15) with JOT 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.

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.

[57 mm]
2.25 in
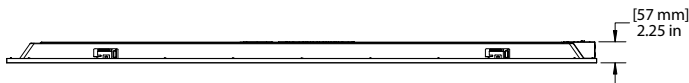
† Tested in accordance with ISO 14644-14; suitable for ISO Class 5-9 positive and negative pressure clean rooms.

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.

ds 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

ds Design Select options indicated by this color background.

CS 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 E10WLCP

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 ‡	E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡
EZT	eldoLED 0-10V Dimming ‡	277	277V			E10WRSTAR	Emergency battery pack, Enabled with STAR ‡
		347	347V ‡			E7W	Emergency Battery Pack, 7W, CA Title 20 Noncompliant ‡
						GTD	Generator Transfer Device ‡

Control Input		Sensor		Options	
(blank)	No controls	(blank)	No sensor	GLR	Fast-blowing fuse ‡
				GMF	Slow-blowing Fuse ‡
SSE	Sensor Switch Embedded	APIR	Occ sensing with passive infrared - on/off functionality and auto dimming photocell	PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit ‡
		APDT	Occ sensor dual tech (passive infrared & microphonics) and auto dimming photocell	PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit ‡
		VAPIR15	Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height	PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/ low voltage ‡
NLIGHT	nLight enabled	(blank)	No sensor, Control Input function only	PWS1846 PWSLV	Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡
NLIGHTER	nLight enabled, for use with generator supply EM power	PIR	Occ sensing with passive infrared - on/off functionality	DWAM	Anti-Microbial paint
NLIGHTLM	nLight enabled with lumen management	PDT	Occ sensor dual tech (passive infrared & microphonics)	CP	Chicago plenum ‡
NLIGHTERLM	nLight enabled with lumen management, for use with generator supply EM power	APIR	Occ sensing with passive infrared - on/off functionality and auto dimming photocell	NPLT	Narrow Pallet
		APDT	Occ sensor dual tech (passive and microphonics) and auto dimming photocell.	BAA	Buy America(n) Act and/or Build America Buy America Qualified
NLTAIR2	nLight AIR Generation 2 (wireless) enabled ‡	(blank)	No sensor, Control Input function only		
NLTAIREM2	nLight AIR Generation 2 (wireless) enabled and UL924 Emergency Operation, via power interrupt detection. ‡	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		
JOT	Wireless room control with "Just One Touch" pairing	(blank)	No sensor, Control Input function only		
		VAPIR15	Vertex low-profile on/off occupancy sensor with auto dimming photocell at 15ft mounting height		

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**
10000LM	Not available with JOT or with VAPIR15.
MIN1	Required for all Control Input Options, except JOT.
Dimming	If Control Input option selected leave this section blank.
EZT	Not available with 10000LM combined with 2X4.
347	347 not available with SLD, E10WLCP, 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.
E10WLCP, E7W	Not available with 347. Configurations with E10WLCP 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 NLTAIR2, JOT, SSE or 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 .
NLTAIREM2	See UL924 Sequence of Operation Chart below. Leave Sensor option section blank, not available with APIR, APDT, APIREM, or APDTEM.
GLR, GMF	Must specify voltage, only available with 120 or 277V.
PWS1836	Not available with E10WLCP, E7W, GTD or E10WRSTAR.
PWS1846	Only available with E10WLCP, E7W or SLD.
PWS1856LV	Not available with E10WLCP, 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.

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

Emergency Battery Delivered Lumens

Use the formula below to determine the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver (10W for PS1055)

LPW = Lumen per watt rating of the luminaire.

Notes
1   For MVOLT only, not available with 347V.

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

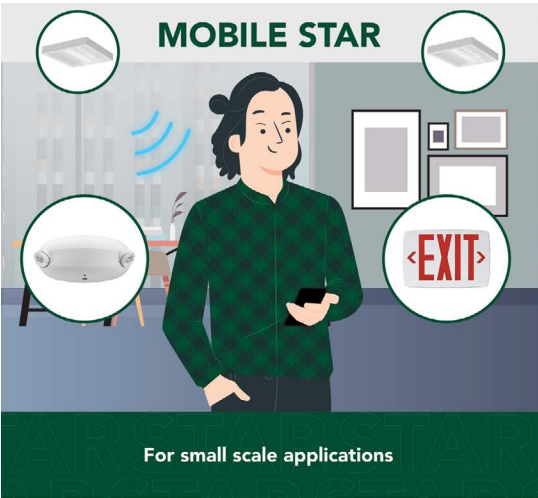| Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter/ 2-hour Runtime
ILB CP10 A	10W	90	1200	
ILBLP CP10 HE SD A	10W	90	1200	Title 20, Self Diagnostic
ILB CP10 HE AELR A	10W	90	1200	Title 20; Enabled with Self Testing, Automated 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 Cl**AIR**ity™**+** 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!**
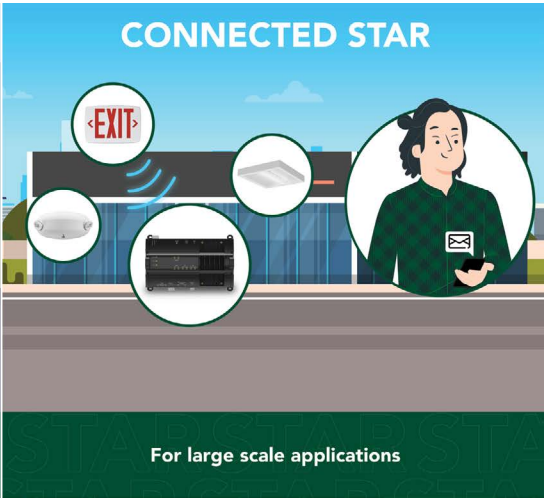
Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:

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

MOBILE STAR — For small scale applications

CONNECTED STAR — For large scale applications

Configurable CPX LED Flat Panel

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

Configurable CPX   LED Flat Panel

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

See www.lithonia.com for photometry reports.

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	+	VPIR15	=	VERTEX 15F EZ VLP	Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height.
	JOT	+	(blank)	=	BTRM JOT BTA	Wireless room control with "Just One Touch" pairing.
	JOT	+	VPIR15	=	BTRM JOT BTA + VERTEX 15F EZ VLP GSKT	Wireless room control with "Just One Touch" pairing.
	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% constant 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% constant lumen managmentwith dual technology occupancy controls sensor with automatic dimming photocell.
	NLIGHTERLM	+	(blank)	=	nIO EZ PH ER N80	Emergency nLight enabled only with 80% constant lumen managment. No onboard sensor.
	NLIGHTERLM	+	PIR	=	nIO EZ PH ER N80 + nES 7	Emergency nLight enabled with 80% constant lumen managment with PIR integral occupancy sensor.
	NLIGHTERLM	+	PDT	=	nIO EZ PH ER N80 + nES PDT 7	Emergency nLight enabled with 80% constant lumen management with dual technology occupancy control sensor.
	NLIGHTERLM	+	APIR	=	nIO EZ PH ER N80 + nES 7 ADCX	Emergency nLight enabled with 80% constant 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% constant 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.

nLight Platform

nLight AIR Wireless

CPX with rES7

Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With the CLAIRITY+ Pro app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome

nLight AIR rPODBA 2P DX

Mobile Device

nLight Wired Networking

CPX with nIO

CAT5e

Simple as 1,2,3

1. Install the nLight® Wired fixtures with embedded control
2. Install the nLight Wired wall switch
3. Connect the fixtures using standard CAT5e cables and the devices will automatically discover each other and work (plug and play)

nLight Wired nPODM 2P DX

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

JOT WIRELESS

Just One Touch

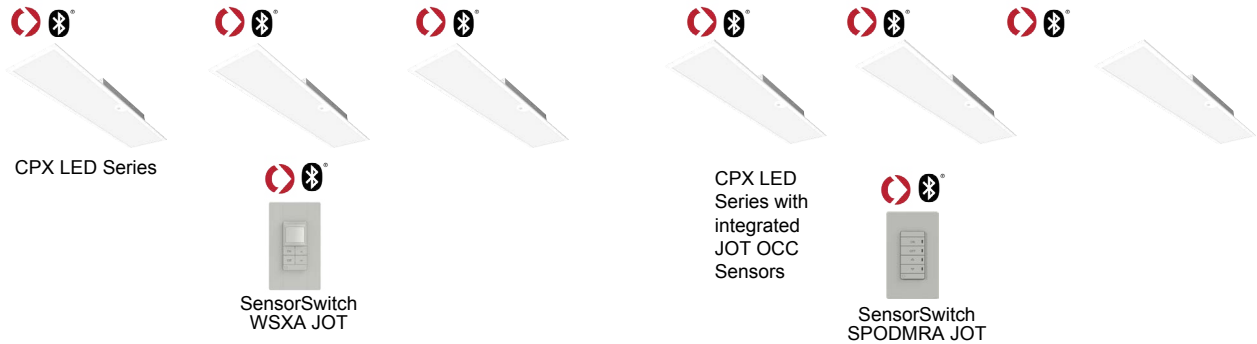### SensorSwitch JOT Enabled Wireless Solution
Designed with contractors in mind, the SensorSwitch JOT enabled wireless solution offers a straightforward approach to the installation and pairing of lighting fixtures and controls. Absolutely no 0-10V control wires and no mobile apps are needed with JOT enabled products, allowing for lightning speed installation right out of the box.

1. Power: Install JOT enabled fixtures and controls as instructed.
2. Pair: Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. Play: Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

CPX LED Series

SensorSwitch
WSXA JOT

CPX LED Series with integrated JOT OCC Sensors

SensorSwitch
SPODMRA JOT

CPX 2X4 with JOT Vertex Sensor

CPX 1X4 with JOT Vertex sensor

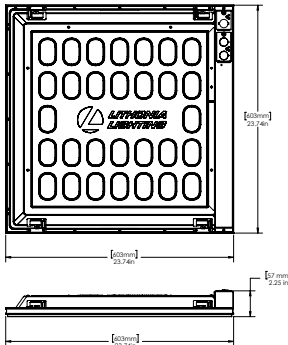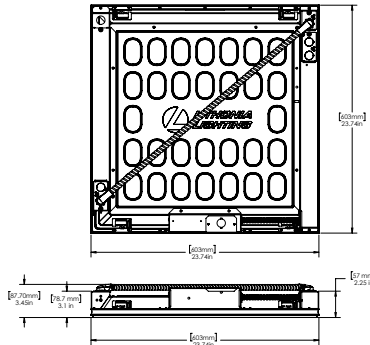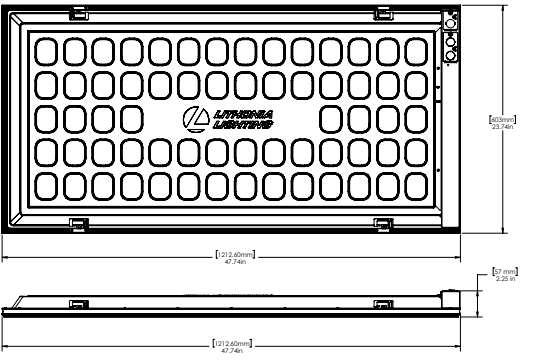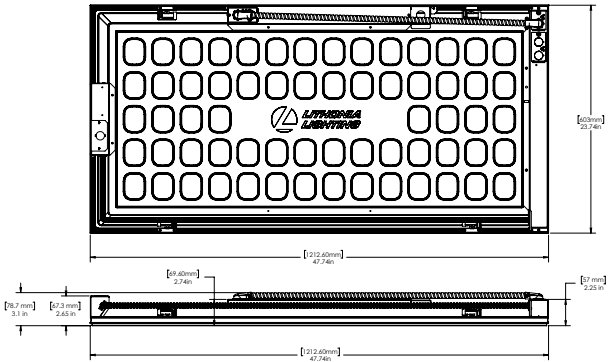### CPX 2X2 with JOT Vertex Sensor

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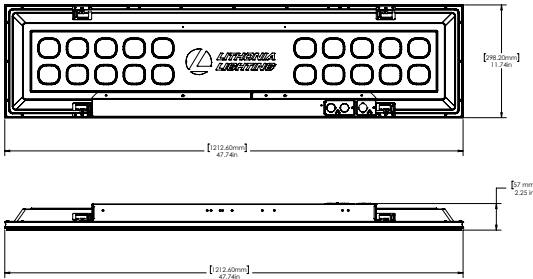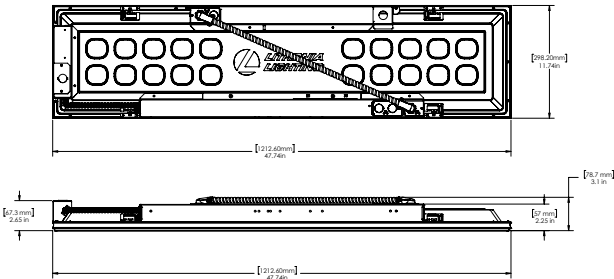
Length: 23.8" 60.5cm
Width: 23.8" 60.5cm
Depth: 2.3" 5.7cm
Weight:
Unit: 9.45lbs
Unit Carton: 10.45lbs

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