

DIGITAL NAVIGATION

[Ordering Tree](#) [nLight Platform](#) [Controls](#) [Dimensions](#) [Performance](#)

FEATURES & SPECIFICATIONS

INTENDED USE — Lithonia SIX has a nominal **6" wide housing with a 4" wide aperture, available in 2FT, 4FT, and 8FT discrete lengths**. LSIX provides performance, configurability, value and style. LSIX is the ideal choice for the majority of commercial applications where it aligns with modern design trends, easier to install, and is environmentally responsible. North American manufacturing allows for short lead-times. The slim profile of the luminaire, coupled with energy-saving LED technology make LSIX an ideal choice for renovation or new construction. The LSIX recessed linear lay-in offers a high-quality, cost-effective LED lighting solution for schools, offices, retail, healthcare facilities and other commercial spaces.

CONSTRUCTION — Built on a direct lit platform, the Lithonia SIX was designed for durability, depth and elegance. LSIX has a nominal **6" wide housing with a 4" wide aperture, available in 2FT, 4FT and 8FT discrete lengths**. The Flat frame option features a **0.6" regress** to provide physical depth. LSIX has a low-profile design to provide increased installation flexibility in restricted plenum spaces. The **.66mm thick back-plate** includes integral T-bar clips for **installation into 9/16" and 15/16" T-grid ceilings** with no additional components.

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.

INSTALLATION — With a **depth of only 2.1"**, LSIX makes for an easy installation, especially in restrictive plenum applications. LSIX fits into standard 15/16" and narrow 9/16" T-grid ceiling systems. Suitable for damp location.

ELECTRICAL — Long-life LED's, coupled with high-efficiency drivers provide superior quality of light and an extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). 0-10 volt dimming driver, dims to 1%.

Lumen and Color Switching: Integrated lumen and color switching module is easily accessible and mounted on the driver box on the back of the fixture. Simply adjust the toggle switch for low, medium, and high lumen and color settings.

LISTINGS — CSA certified to meet US and Canadian standards. Damp location listed. IC rated. **IP5X rated. 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.**

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.

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



Lithonia® SIX Switchable

LSIXS

2FT, 4FT, 8FT

Specifications

Length:	23.82 (60.5), 47.80 (121.41), 95.81 (243.36)
Width:	5.81 (14.76)
Depth:	2.24 (5.69)
Weight:	2FT: 4lbs 4FT: 6.25 lbs 8FT: 11.7lbs

All dimensions are inches (centimeters)



Embed nLight controls today. Prepare for tomorrow.

Now



User-friendly install



Enhanced energy savings



Code compliance

Tomorrow



Scalability



Space configuration



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

Non-Configurable LSIXS

CATALOG	UPC	DESCRIPTION	LUMENS ¹	CCT	CRI	VOLTAGE	WATTAGE	EFFICACY
LSIXS 2FT AL015 SWW7 ²	197589032789	6" x 2FT Switchable	1500/2000/2500	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 ²	197589032772	6" x 4FT Switchable	3000/4000/5000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 ²	197589032819	6" x 8FT Switchable	6000/8000/10000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 347	197589032857	6" x 2FT Switchable	1500/2000/2500	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 347	197589032871	6" x 4FT Switchable	3000/4000/5000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 347	197589032888	6" x 8FT Switchable	6000/8000/10000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 E10WLCP ²	197589032901	6" x 2FT Switchable w/ integral battery	1500/2000/2500	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 E10WLCP ²	197589032918	6" x 4FT Switchable w/ integral battery	3000/4000/5000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 E10WLCP ²	197589032925	6" x 8FT Switchable w/ integral battery	6000/8000/10000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 NLTAIR2 ²	197589032970	6" x 2FT Switchable w/ NLTAIR	1500/2000/2500	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 NLTAIR2 ²	197589032987	6" x 4FT Switchable w/ NLTAIR	3000/4000/5000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 NLTAIR2 ²	197589033021	6" x 8FT Switchable w/ NLTAIR	6000/8000/10000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 347 NLTAIR2	197589033038	6" x 2FT Switchable w/ NLTAIR	1500/2000/2500	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 347 NLTAIR2	197589033069	6" x 4FT Switchable w/ NLTAIR	3000/4000/5000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 347 NLTAIR2	197589033090	6" x 8FT Switchable w/ NLTAIR	6000/8000/10000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 NLTAIR2 APDT ²	197589033137	6" x 2FT Switchable w/ NLTAIR and dual tech occ sensor	1500/2000/2500	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 NLTAIR2 APDT ²	197589033106	6" x 4FT Switchable w/ NLTAIR and dual tech occ sensor	3000/4000/5000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 NLTAIR2 APDT ²	197589033182	6" x 8FT Switchable w/ NLTAIR and dual tech occ sensor	6000/8000/10000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 347 NLTAIR2 APDT	197589033168	6" x 2FT Switchable w/ NLTAIR and dual tech occ sensor	1500/2000/2500	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 347 NLTAIR2 APDT	197589033229	6" x 4FT Switchable w/ NLTAIR and dual tech occ sensor	3000/4000/5000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 347 NLTAIR2 APDT	197589033243	6" x 8FT Switchable w/ NLTAIR and dual tech occ sensor	6000/8000/10000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 NLIGHT ²	197589033274	6" x 2FT Switchable w/ NLIGHT	1500/2000/2500	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 NLIGHT ²	197589033281	6" x 4FT Switchable w/ NLIGHT	3000/4000/5000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 NLIGHT ²	197589033304	6" x 8FT Switchable w/ NLIGHT	6000/8000/10000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 347 NLIGHT	197589033335	6" x 2FT Switchable w/ NLIGHT	1500/2000/2500	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 347 NLIGHT	197589033373	6" x 4FT Switchable w/ NLIGHT	3000/4000/5000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 347 NLIGHT	197589033397	6" x 8FT Switchable w/ NLIGHT	6000/8000/10000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 NLIGHT APDT ²	197589033434	6" x 2FT Switchable w/ NLIGHT and dual tech occ sensor	1500/2000/2500	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 NLIGHT APDT ²	197589033441	6" x 4FT Switchable w/ NLIGHT and dual tech occ sensor	3000/4000/5000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 NLIGHT APDT ²	197589033458	6" x 8FT Switchable w/ NLIGHT and dual tech occ sensor	6000/8000/10000	3500K / 4000K / 5000K	80CRI	120-277	See Performance Table	See Performance Table
LSIXS 2FT AL015 SWW7 347 NLIGHT APDT	197589033465	6" x 2FT Switchable w/ NLIGHT and dual tech occ sensor	1500/2000/2500	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 4FT AL03 SWW7 347 NLIGHT APDT	197589033489	6" x 4FT Switchable w/ NLIGHT and dual tech occ sensor	3000/4000/5000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table
LSIXS 8FT AL04 SWW7 347 NLIGHT APDT	197589033496	6" x 8FT Switchable w/ NLIGHT and dual tech occ sensor	6000/8000/10000	3500K / 4000K / 5000K	80CRI	347	See Performance Table	See Performance Table

Notes:

1. Approximate lumens. See Performance table on page 6 for actual outputs.
2. Fixture configuration is also available in Buy American Act (BAA) compliance. Add "BAA" at the end of the nomenclature to validate.

Accessories

Accessories: Order as separate catalog number.	
DGA062	Drywall grid adapter for 6"x2FT recessed fixture
DGA064	Drywall grid adapter for 6"x4FT recessed fixture
DGA068	Drywall grid adapter for 6"x8FT recessed fixture
06x2SMKSHP PAF	6"x2" Surface Mount Troffer Kit ¹
06x4SMKSHP PAF	6"x4" Surface Mount Troffer Kit ¹
06x8SMKSHP PAF	6"x8" Surface Mount Troffer Kit 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
DLTLATC J4	Earthquake Clip, 1 set of 4
DLTLATC J40	Earthquake Clip, 10 sets of 4
DLTLATC J80	Earthquake Clip, 20 sets of 4

Notes:

1. Cannot be installed with fixture with integrated NLTAIR2 Options.

Emergency Battery Estimated Lumens
Use the formula below to estimate the delivered lumens in emergency mode Estimated Lumens = 1.25 x P x LPW P = Output power of emergency driver (10W for E10WCP option.) LPW = Lumen per watt rating of the luminaire.

UL924 Sequence of Operation
The below information applies to all nLight AIR devices with an EM option.
<ul style="list-style-type: none"> • 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 CLAIRITY+ 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
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.

Intelligent Luminaire Technology Guide

Choose nomenclature from these columns							
Control/ Sensor Configurations	Control Input		Sensor	=	Sensor	Notes	Previous Nomenclature
	NLTAIR2	+	(blank)	=	RIO EZ PH 180D G2	nLight AIR Generation 2 enabled.	NLTAIR2 RIO
	NLTAIR2	+	APDT	=	RES7 PDT 90D G2	nLight AIR Generation 2 enabled.	NLTAIR2 RES7PDT
	NLIGHT	+	(blank)	=	nIO EZ PH	nLight enabled only. No onboard sensor.	NLIGHT
	NLIGHT	+	APDT	=	nIO EZ PH + nES PDT 7 ADCX	nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT NESPDT7ADCX

nLight Platform

nLight AIR Wireless

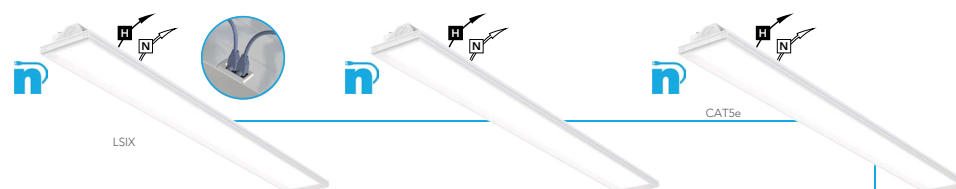


Simple as 1,2,3

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 Wired Networking



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)

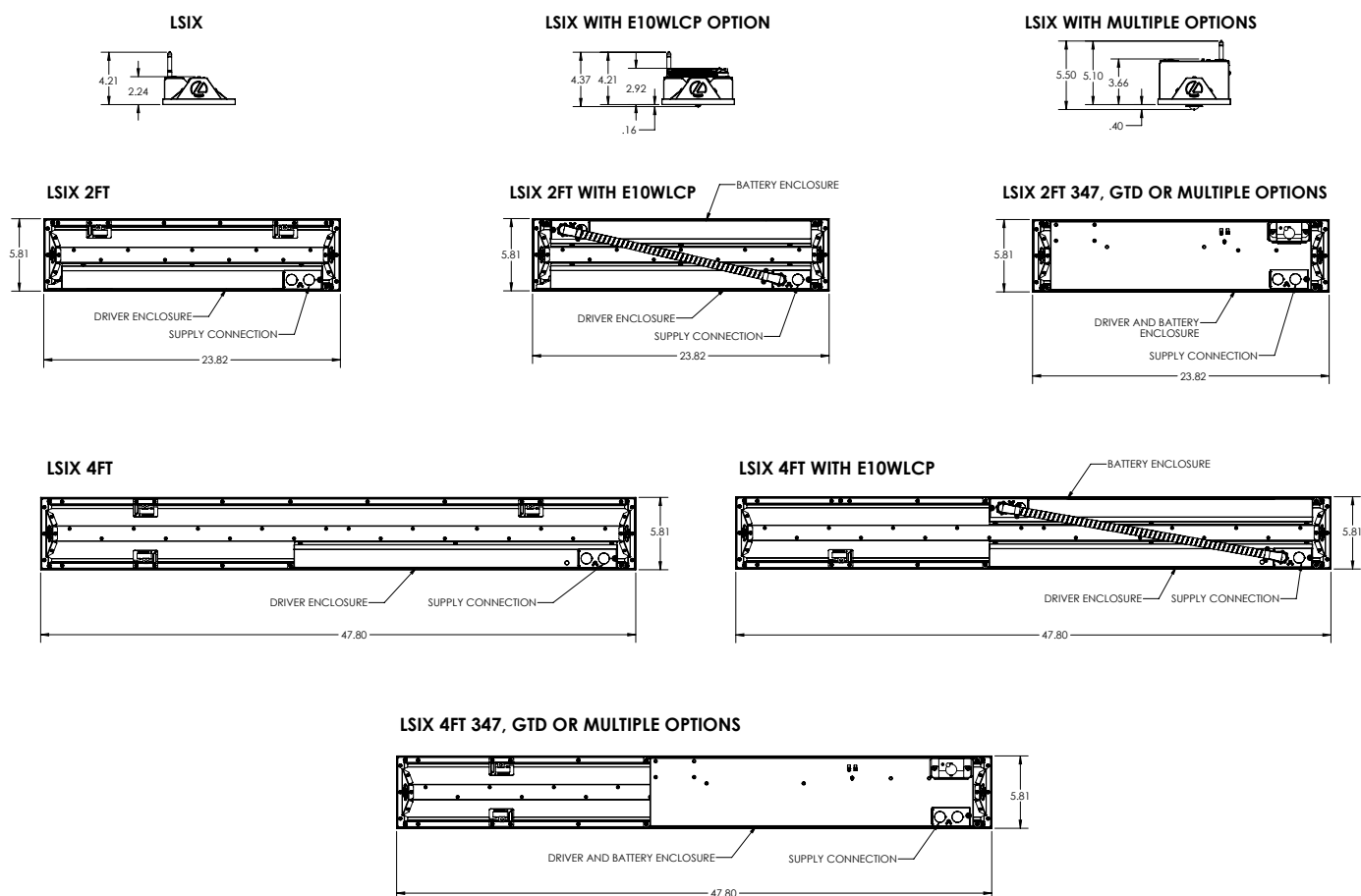


nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, 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

Controls Accessories

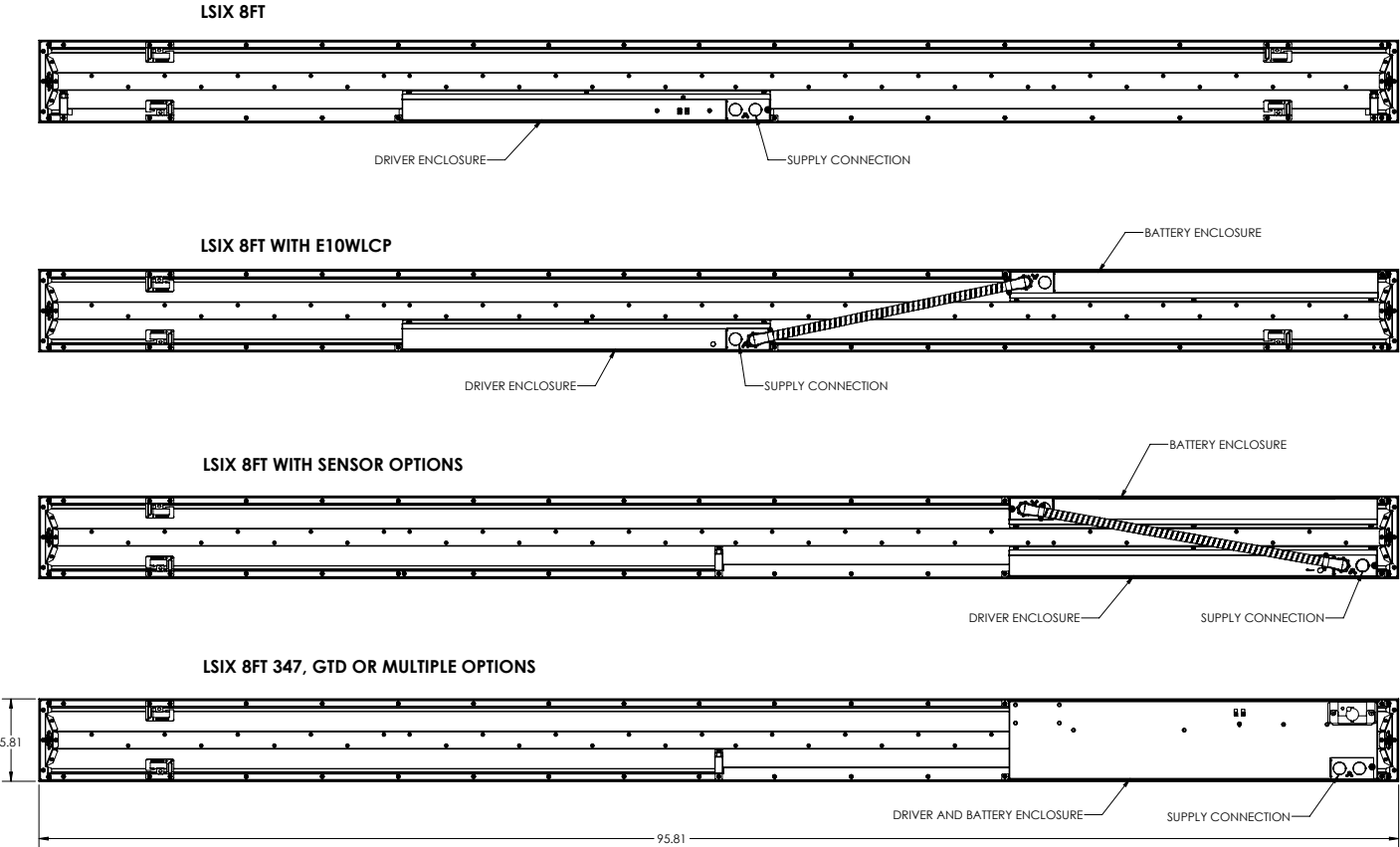
nLight® Wired Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight .				nLight® AIR Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair .	
WallPod stations	Model number	Occupancy sensors	Model number	Wall switches	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB	On/Off single pole	rPODBA [color] G2
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB	On/Off two pole	rPODB A2P [color] G2
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]	On/Off & raise/lower single pole	rPODBA DX [color] G2
Photocell controls	Model number	Cat-5 cable (plenum rated)	Model number	On/Off & raise/lower two pole	rPODBA 2P DX [color] G2
Full range dimming	nCM ADCX RJB	10' cable	CAT5 10FT J1		
		30' cable	CAT5 30FT J1		

Dimensions



LSIXS LED Luminaire

Dimensions



Performance Data

Length	CRI	Lumens	CCT	Actual		
				Lumens	Efficacy	Wattage
2FT	80CRI	1500LM	35K	1697	119.2	14.2
		2000LM		2153	117.5	18.3
		2500LM		2490	112.3	22.2
	80CRI	1500LM	40K	1757	126.4	13.9
		2000LM		2235	126.4	17.7
		2500LM		2602	121.1	21.5
	80CRI	1500LM	50K	1697	118.2	14.4
		2000LM		2153	117.3	18.4
		2500LM		2489	115.3	21.6
4FT	80CRI	3000LM	35K	3592	126.4	28.4
		4000LM		4578	124.6	36.7
		5000LM		5358	126.5	42.4
	80CRI	3000LM	40K	3728	133.3	28.0
		4000LM		4927	137.9	35.7
		5000LM		5700	139.8	40.8
	80CRI	3000LM	50K	3646	126.6	28.8
		4000LM		4656	126.0	37.0
		5000LM		5455	128.6	42.4
8FT	80CRI	6000LM	35K	6793	113.3	59.9
		8000LM		8626	111.3	77.5
		10000LM		9863	117.2	84.2
	80CRI	6000LM	40K	6891	115.9	59.5
		8000LM		8777	118.6	74.0
		10000LM		10476	125.7	83.4
	80CRI	6000LM	50K	6793	111.4	61.0
		8000LM		8626	111.2	77.6
		10000LM		10071	120.8	83.4