

DIGITAL NAVIGATION

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

FEATURES & SPECIFICATIONS

INTENDED USE — SPX fully-luminous lay-in luminaire with **multiple optics options** is designed to meet the personality of any space. Providing a visually interesting, low glare solution SPX provides performance, configurability, value and style. A typically configured SPX features a **Unified Glare Rating (UGR) starting at 14**. North American manufacturing allows for short lead-times. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Built on a **direct lit platform** the SPX luminaire was designed for durability, depth and elegance. The beveled frame option features a **0.6" regress** to provide physical depth. MicroPrismatix™ and NanoPrismatix™ low glare lens options create superior visual comfort. The **1.25MM thick optical layer includes 3D optics options (Patents Pending)** that add perceived depth. SPX 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. In a **9/16" T-grid ceiling, the bezel frame option allows the bottom of the panel sits flush with tegular ceiling tiles.** Antimicrobial paint finish available.

Networked embedded controls: Networked embedded controls by nLight address the requirements of Luminaire Level Lighting Controls (LLLC). Luminaires with networked embedded controls by nLight are designed, manufactured, tested, and shipped with occupancy, daylight sensors or control devices factory-installed. This simplifies design layouts and reduces total installed cost by eliminates field installation of control devices, while addressing code requirements.

Standalone embedded controls: Luminaires with standalone embedded controls by Sensorswitch are designed, manufactured, tested, and shipped with the sensor or control device factory-installed. This simplifies design layouts and reduces total installed cost by eliminating field installation of control devices.

ELECTRICAL — Long-life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. LEDs feature a **3 step macadam ellipse binning**. 0-10V dimming driver, **dims to 1% or 10%.** **EldoLED and step level dimming drivers are available.** Luminaire surge level protection designed to withstand surge up to 2.0kV. SPX offers 8 different lumen packages ranging from 2000 to 10200 lumens with.

LISTINGS — CSA certified to meet US and Canadian standards. Intended for indoor use in ambient temperatures up to 25°C. **Damp location listed. IC rated. IP5X rated. Rated for NSF/ANSI Standard 2 – Light Fixture for Splash Zone and Non Food Zone. Tested in accordance with ISO 14644-1; suitable for ISO Class 5–9 positive and negative pressure clean rooms.**

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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.

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.

Catalog Number
Notes
Type

SPX LED

1'x4', 2'x2', 2'x4'



NanoPrismatix™
Smooth Low UGR



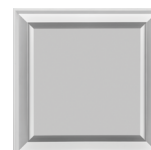
3D Crumple



3D Penrose



3D Center Basket



3D Frame



MicroPrismatix™
Micro-Prism Lens



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

SPX LED Luminaire



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected.

Example: SPX 2X2 4000LM 80CRI 35K BFR 3DCB MIN1 MVOLT E10WCP MW NLTAIR2 APDT

Series	Width and Length	Lumens	CRI	Color Temperature	Frame Style	Optics	Minimum Dimming Level		
SPX LED Luminaire	1x4 1'x4'	3000LM 3000 Lumens	80CRI 80 CRI 90CRI 90 CRI	30K 3000K 35K 3500K 40K 4000K 50K 5000K	BFR Bezel Frame	MPL MicroPrismatix™ Micro-Prism	MIN1 Dims to 1% ‡ MIN10 Dims to 10%		
		4000LM 4000 Lumens				Patent Pending WhiteOptics® Optics			
		4800LM 4800 Lumens				LUGR NanoPrismatix™ Smooth Low UGR			
		6000LM 6000 Lumens				3DCP 3D Crumple			
		7200LM 7200 Lumens				3DP 3D Penrose			
						3DCB 3D Center Basket			
	2x2 2'x2'	2000LM 2000 Lumens						3DF 3D Frame	
		3400LM 3400 Lumens							
		4000LM 4000 Lumens							
		4800LM 4800 Lumens							
		6000LM 6000 Lumens							
		7200LM 7200 Lumens							
	2x4 2'x4'	3000LM 3000 Lumens							
		4000LM 4000 Lumens							
		4800LM 4800 Lumens							
		6000LM 6000 Lumens							
		7200LM 7200 Lumens							
		8500LM 8500 Lumens							
10200LM 10200 Lumens									

Dimming ‡	Voltage	Step Level Dimming	Emergency Option	Finish
EZT eldoLED 0-10V Dimming	MVOLT 120-277V	(Blank) None	E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, CEC compliant ‡	MW Matte White
ZT Generic 0-10V Dimming	120 120V	SLD Step Level Dimming ‡	GTD Generator Transfer Device ‡	MB Matte Black
	277 277V			DNA Natural Aluminium
	347 347V ‡			WH Glossy White

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart on the next page. Restriction notes are sorted in the sequence they appear in the order tree.

Ordering continues on next page.

Controls			Options	
Control Input (blank) No Control Input	Sensor (blank) No Sensor or Control Input function only, if selected.		GLR	Fast-blowing fuse ‡
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 VPIR8 Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 8ft mounting height VAPIR8 Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 8ft mounting height VPIR15 Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 15ft mounting height VAPIR15 Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height		GMF	Slow-blowing fuse ‡
			PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit
			PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit
			PWS1846 PWSLV	Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡
			PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡
			DWAM	Antimicrobial White
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) and auto dimming photocell VPIR8 Vertex low-profile on/off occupancy PIR occupancy sensor at 8ft mounting height		CP	Chicago plenum ‡
			RRL_	RELOC®-ready luminaire
			NPLT	Narrow Pallet
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 infrared & 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 sensor dual tech (passive infrared & microphonics) and auto dimming photocell and UL924 Emergency Operation, via power interrupt detection. VPIR8 Vertex low-profile on/off occupancy PIR occupancy sensor at 8ft mounting height	Standby Mode NOC Occupancy Sensor Disabled		
SSAIR Wireless standalone embedded control by SensorSwitch	(blank) No sensor, Control Input function only VAPIR Wireless standalone embedded control by SensorSwitch with Passive Infrared Occ sensor with autodimming photocell			

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart on the bottom of this page. Restriction notes are sorted in the sequence they appear in the order tree.

‡ Option Value Ordering Restrictions	
Option Value	Restriction
MIN1	Required for all Control Input options, excluding SSAIR.
Dimming	If Control Input option selected leave this section blank.
347	Not available with, SLD, E10WCP, GTD options.
SLD	Not available with combination 1X4 and GTD. Not available with any controls. Must select MIN10. Leave Dimming section blank.
E10WLCP	Not available with 347.
GTD	Not available with 347.
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.
NLTAIREM2	See UL924 Sequence of Operation Chart on page 4. Leave sensor option blank, not available with APIR, APDT, APIREM, APDTEM or VPIR8
GLR, GMF	Must specify voltage, only available with 120 or 277.
PWS1846 PWSLV, PWS1856LV	Not available with any Control Input option.
CP	Not available with PWS1836, PWS1846, PWS1846 PWSLV or PWS1856LV.

Accessories are on next page.

ACCESSORIES

Accessories: Order as separate catalog number.	
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 PAF	1'x4' Surface Mount Troffer Kit ¹
2x2SMKSH PAF	2'x2' Surface Mount Troffer Kit ¹
2x4SMKSH PAF	2'x4' 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. • 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

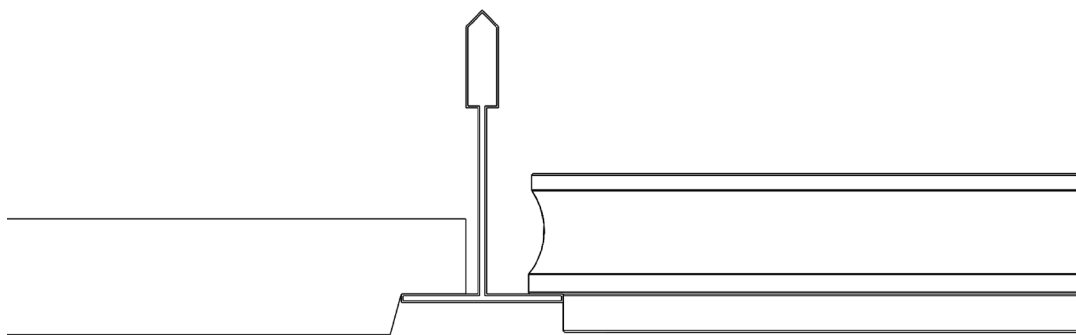
All the above are UL Listed products that are certified for field install external/remote to the fixture.

*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.

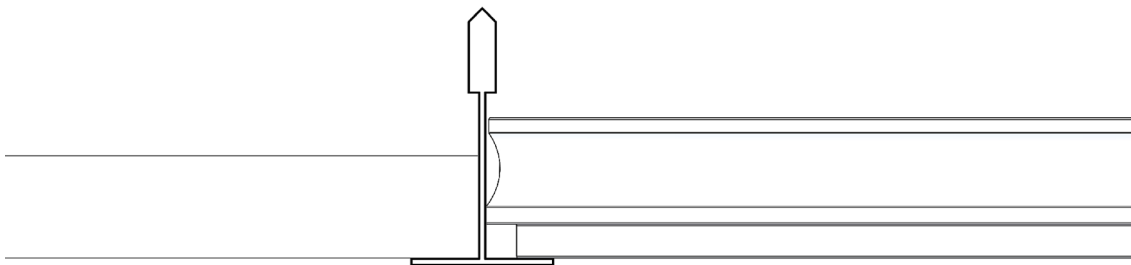
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.

Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

Bezel Frame Integrated into 9/16" Tegular Ceiling for Minimized Grid Appearance



Bezel Frame Integrated into 15/16" Ceiling



Intelligent Luminaire Technology Guide

Choose nomenclature from these columns						Notes	Previous Nomenclature
Control Input		Sensor	=	Sensor			
SSE	+	APIR	=	MSD 7 ADCX		Individual fixture control only. PIR integral occupancy sensor with automatic dimming control photocell.	MSD7ADCX
SSE	+	APDT	=	MSD PDT 7 ADCX		Individual fixture control only. PDT integral occupancy sensor with automatic dimming control photocell.	MSDPDT7ADCX
SSE	+	VPIR8	=	VERTEX 8F EZ OCC VLP		Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 8ft mounting height.	VTX8FOCC
SSE	+	VAPIR8	=	VERTEX 8F EZ ADC VLP		Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 8ft mounting height.	VTX8FADC
SSE	+	VPIR15	=	VERTEX 15F EZ OCC VLP		Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 15ft mounting height.	VTX15FOCC
SSE	+	VAPIR15	=	VERTEX 15F EZ ADC VLP		Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height.	VTX15FADC
SSAIR	+	(blank)	=	BTRM JOT BTA		Wireless room control with SensorSwitch AIR pairing	JOT
SSAIR + VAPIR	+	SSAIR + VAPIR	=	BTRM JOT BTA + VERTEX 15F EZ ADC VLP GSKT		Wireless room control with SensorSwitch AIR pairing	JOTVTX15
NLIGHT	+	(blank)	=	nIO EZ PH		nLight enabled only. No onboard sensor.	NLIGHT
NLIGHT	+	PIR	=	nIO EZ PH + nES 7		nLight enabled with PIR integral occupancy sensor.	NLIGHT NES7
NLIGHT	+	PDT	=	nIO EZ PH + nES PDT 7		nLight enabled with dual technology occupancy control sensor.	NLIGHT NESPDT7
NLIGHT	+	APIR	=	nIO EZ PH + nES 7 ADCX		nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.	NLIGHT NES7ADCX
NLIGHT	+	APDT	=	nIO EZ PH + nES PDT 7 ADCX		nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT NESPDT7ADCX
NLIGHT	+	VPIR8	=	NIO EZ PH + VERTEX 8F EZ OCC VLP		nLight enabled with Vertex low-profile on/off occupancy PIR occupancy sensor at 8ft mounting height.	NLIGHT NVTX8FOCC
NLIGHTER	+	(blank)	=	nIO EZ PH ER		Emergency nLight enabled only. No onboard sensor.	NLIGHT EMG
NLIGHTER	+	PIR	=	nIO EZ PH ER + nES 7		Emergency nLight enabled with PIR integral occupancy sensor.	NLIGHT EMG NESPDT7
NLIGHTER	+	PDT	=	nIO EZ PH ER + nES PDT 7		Emergency nLight enabled with dual technology occupancy control sensor.	NLIGHT EMG NES7ADC
NLIGHTER	+	APIR	=	nIO EZ PH ER + nES 7 ADCX		Emergency nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.	NLIGHT EMG NES7ADCX
NLIGHTER	+	APDT	=	nIO EZ PH ER + nES PDT 7 ADCX		Emergency nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT EMG NESPDT7ADCX
NLIGHTLM	+	(blank)	=	nIO EZ PH N80		nLight enabled only with 80% constant lumen management. No onboard sensor.	NLIGHT CL80
NLIGHTLM	+	PIR	=	nIO EZ PH N80 + nES 7		nLight enabled with 80% constant lumen management with PIR integral occupancy sensor.	NLIGHT CL80 NES7
NLIGHTLM	+	PDT	=	nIO EZ PH N80 + nES PDT 7		nLight enabled with 80% constant lumen management with dual technology occupancy control sensor.	NLIGHT CL80 NESPDT7
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.	NLIGHT CL80 NES7ADCX
NLIGHTLM	+	APDT	=	nIO EZ PH N80 + nES PDT 7 ADCX		nLight enabled with 80% constant lumen management with dual technology occupancy controls sensor with automatic dimming photocell.	NLIGHT CL80 NESPDT7ADCX
NLIGHTLMER	+	(blank)	=	nIO EZ PH ER N80		Emergency nLight enabled only with 80% constant lumen management. No onboard sensor.	NLIGHT EMG CL80
NLIGHTLMER	+	PIR	=	nIO EZ PH ER N80 + nES 7		Emergency nLight enabled with 80% constant lumen management with PIR integral occupancy sensor.	NLIGHT EMG CL80 NES7
NLIGHTLMER	+	PDT	=	nIO EZ PH ER N80 + nES PDT 7		Emergency nLight enabled with 80% constant lumen management with dual technology occupancy control sensor.	NLIGHT EMG CL80 NESPDT7
NLIGHTLMER	+	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.	NLIGHT EMG CL80 NES7ADCX
NLIGHTLMER	+	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.	NLIGHT EMG CL80 NESPDT7ADCX
NLTAIR2	+	(blank)	=	RIO EZ PH 180D G2		nLight AIR Generation 2 enabled.	NLTAIR2 RIO
NLTAIREM2	+	(blank)	=	RIO EZ PH ER 180D G2		nLight AIR Generation 2 enabled	NLTAIR2 RIOEM
NLTAIR2	+	APIR	=	RES7 G2		nLight AIR Generation 2 enabled.	NLTAIR2 RES7
NLTAIR2	+	APDT	=	RES7 PDT 90D G2		nLight AIR Generation 2 enabled.	NLTAIR2 RES7PDT
NLTAIR2	+	APIREM	=	RES7 EM 90D G2		nLight AIR Generation 2 enabled.	NLTAIR2 RES7EM
NLTAIR2	+	APDTEM	=	RES7 PDT EM 90D G2		nLight AIR Generation 2 enabled.	NLTAIR2 RES7PDTEM
NLTAIR2	+	VPIR8	=	RIO EZDL EXTDB ACWH 90D G2 + VERTEX 8F EZ OCC VLP		nLight AIR Generation 2 enabled. Vertex low-profile on/off occupancy PIR occupancy sensor at 8ft mounting height.	NLTAIR2 RVT8FOCC

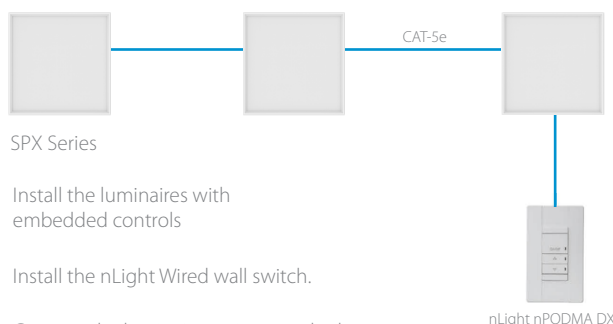


Single Lighting Controls Platform for Indoor & Outdoor Spaces

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.

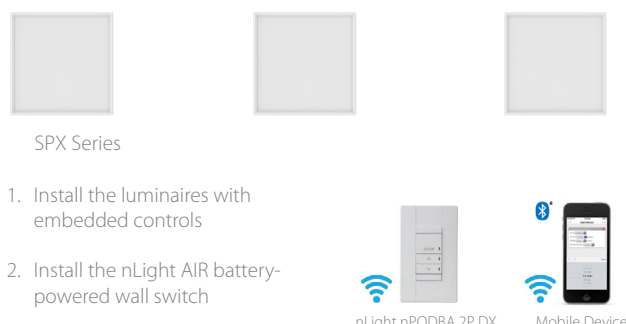
nLIGHTcontrols.com

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 CLAIRITY + 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

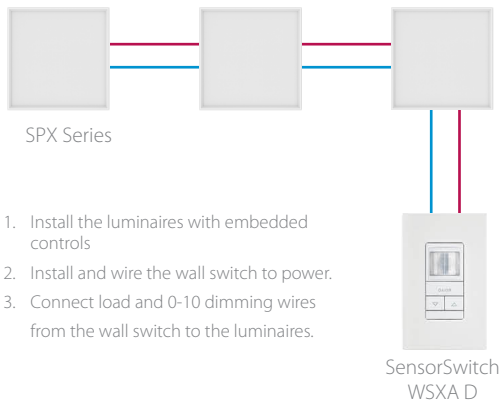


Performance You Can Count On

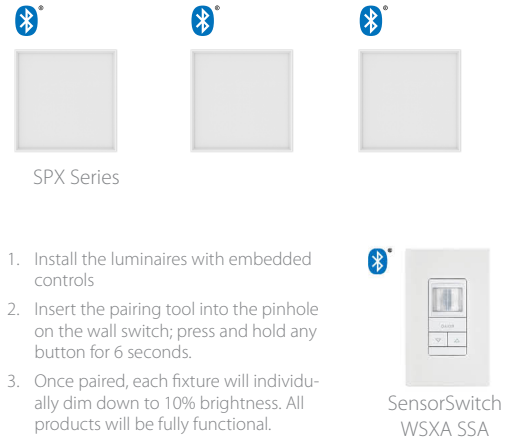
SensorSwitch™ offers standalone wired and wireless lighting controls solutions designed for room-based applications. Our products offer reliable performance and ease of installation.

[Sensorswitch.com](https://www.sensorswitch.com)

Wired Embedded Controls



Wireless Embedded Controls



Controls Accessories

nLight® Wired Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.

WallPod stations

On/Off

Model number

nPODMA [Color]

On/Off & raise/lower

nPODMA DX [Color]

Graphic touchscreen

nPOD TOUCH [Color]

Photocell controls

Full range dimming

Model number

nCM ADCX RJB

Occupancy sensors

Small motion 360°, ceiling (PIR / dual tech)

Large motion 360°, ceiling (PIR / dual tech)

Wall switch with raise/lower

Cat-5 cable (plenum rated)

10' cable

30' cable

Model number

nCM 9 RJB / nCM PDT 9 RJB

nCM10 RJB / nCM PDT 10 RJB

nWSX PDT LV DX [color]

Model number

CAT5 10FT J1

CAT5 30FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches

On/Off single pole

On/Off two pole

On/Off & raise/lower single pole

On/Off & raise/lower two pole

Model number

rPODBA [color] G2

rPODB A2P [color] G2

rPODBA DX [color] G2

rPODBA 2P DX [color] G2



Sensor Switch
WSXA D



nLight WIRED
nPOD UNITOUCH

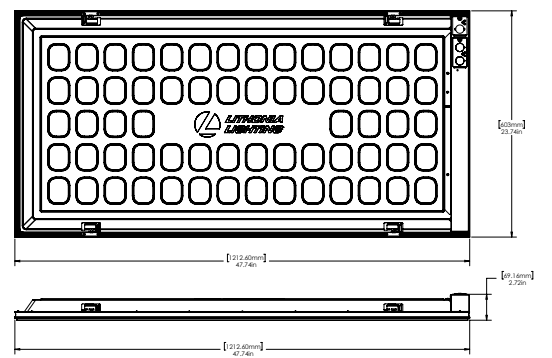
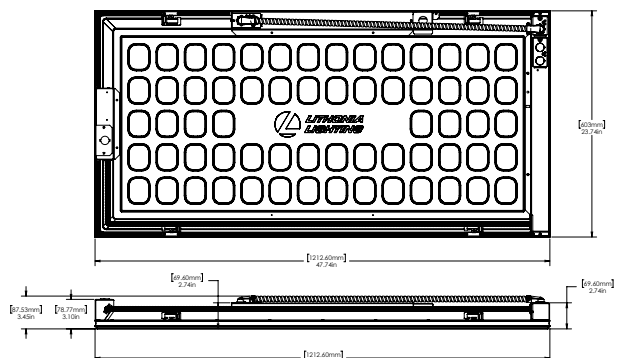
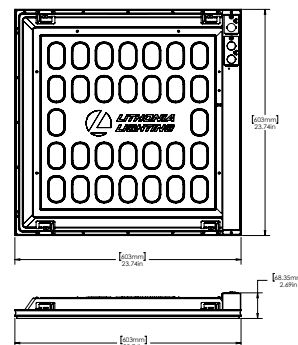
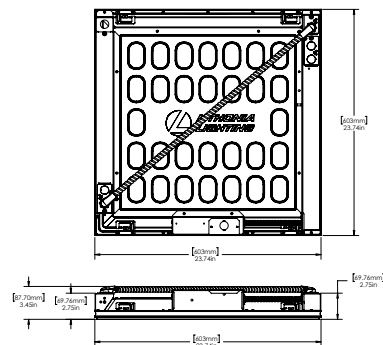
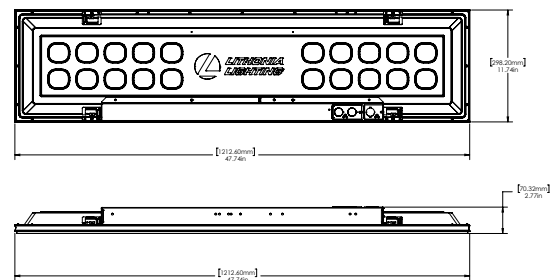
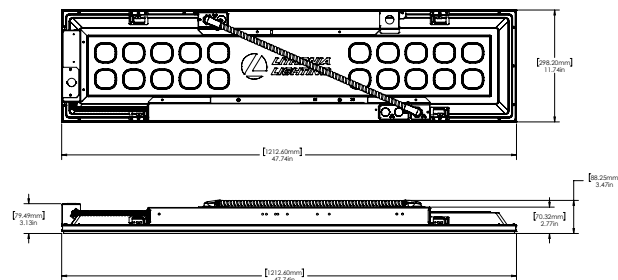


nLight WIRED
nPODMA DX



nLight AIR
rPODBA

DIMENSIONS



Optical Performance

UGR Values of SPX 1x4 @ 80CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)												
Lumen Package	MicroPrismatix™ MPL		NanoPrismatix™ LUGR		3D Center Basket 3DCB		3D Crumple 3DCP		3D Frame 3DF		3D Pensrose 3DP	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
3000LM	17.9	18.2	17.6	17.7	19.7	20.3	19.8	19.8	19.9	20	20.9	21.4
4000LM	18.8	19.2	18.5	18.6	20.7	21.3	20.8	20.8	20.9	20.9	21.8	22.3
4800LM	19.4	19.7	19.1	19.2	21.2	21.8	21.3	21.3	21.4	21.5	22.4	22.9
6000LM	20.2	20.5	19.9	20	22	22.6	22.1	22.1	22.2	22.3	23.2	23.7
7200LM	20.8	21.2	20.5	20.6	22.6	23.2	22.8	22.8	22.8	22.9	23.8	24.3

*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.

UGR Values of SPX 1x4 @ 90CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)												
Lumen Package	MicroPrismatix™ MPL		NanoPrismatix™ LUGR		3D Center Basket 3DCB		3D Crumple 3DCP		3D Frame 3DF		3D Pensrose 3DP	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
3000LM	17.3	17.6	17	17.1	19.1	19.7	19.2	19.2	19.3	19.4	20.3	20.8
4000LM	18.2	18.6	17.9	18	20.1	20.7	20.2	20.2	20.3	20.3	21.2	21.7
4800LM	18.8	19.1	18.5	18.6	20.6	21.2	20.7	20.7	20.8	20.9	21.8	22.3
6000LM	19.6	19.9	19.3	19.4	21.4	22	21.5	21.5	21.6	21.7	22.6	23.1
7200LM	20.2	20.6	19.9	20	22	22.6	22.2	22.2	22.2	22.3	23.2	23.7

*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.

UGR Values of SPX 2X2 @ 80CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)												
Lumen Package	MicroPrismatix™ MPL		NanoPrismatix™ LUGR		3D Center Basket 3DCB		3D Crumple 3DCP		3D Frame 3DF		3D Pensrose 3DP	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
2000LM	16.3	16.7	16	16.1	18.1	18.7	18.3	18.3	18.3	18.4	19.3	19.8
3400LM	18	18.4	17.7	17.8	19.8	20.4	20	20	20	20.1	21	21.5
4000LM	18.6	19	18.3	18.4	20.3	20.9	20.6	20.6	20.6	20.7	21.6	22.1
4800LM	19.3	19.6	19	19.1	21	21.6	21.3	21.2	21.3	21.4	22.3	22.8
6000LM	20	20.3	19.7	19.7	21.7	22.3	21.9	21.9	21.9	22	23	23.4
7200LM	20.8	21.1	20.5	20.6	22.5	23.1	22.7	22.7	22.8	22.8	23.8	24.2

*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.

UGR Values of SPX 2X2 @ 90CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)												
Lumen Package	MicroPrismatix™ MPL		NanoPrismatix™ LUGR		3D Center Basket 3DCB		3D Crumple 3DCP		3D Frame 3DF		3D Pensrose 3DP	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
2000LM	15.7	16.1	15.4	15.5	17.5	18.1	17.7	17.7	17.7	17.8	18.7	19.2
3400LM	17.4	17.8	17.1	17.2	19.2	19.8	19.4	19.4	19.4	19.5	20.4	20.9
4000LM	18	18.4	17.7	17.8	19.7	20.3	20	20	20	20.1	21.5	21.5
4800LM	18.7	19	18.4	18.5	20.4	21	20.7	20.6	20.7	20.8	21.7	22.2
6000LM	19.4	19.7	19.1	19.1	21.1	21.7	21.3	21.3	21.3	21.4	22.4	22.8
7200LM	20.2	20.5	19.9	20	21.9	22.5	22.1	22.1	22.2	22.2	23.2	23.6

*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.

Optical Performance

UGR Values of SPX 2X4 @ 80CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)												
Lumen Package	MicroPrismatix™ MPL		NanoPrismatix™ LUGR		3D Center Basket 3DCB		3D Crumple 3DCP		3D Frame 3DF		3D Pensorse 3DP	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
3000LM	15.1	15.4	14.5	14.9	16.9	17.5	17	17	17.1	17.2	18.1	18.6
4000LM	16	16.4	15.7	15.8	17.8	18.4	18	18	18	18.1	19	19.5
4800LM	16.7	17.1	16.5	16.5	18.5	19.2	18.7	18.7	18.8	18.8	19.7	20.2
6000LM	17.5	17.9	17.3	17.3	19.3	20	19.5	19.5	19.6	19.6	20.5	21
7200LM	18.1	18.4	17.8	17.8	19.9	20.5	20	20	20.1	20.2	21.1	21.5
8500LM	18.6	19	18.4	18.4	20.5	21.1	20.6	20.6	20.7	20.8	21.6	22.1
10200LM	19.3	19.6	19	19.1	21.1	21.7	21.2	21.2	21.3	21.4	22.3	22.7

*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.

UGR Values of SPX 2X4 @ 90CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)												
Lumen Package	MicroPrismatix™ MPL		NanoPrismatix™ LUGR		3D Center Basket 3DCB		3D Crumple 3DCP		3D Frame 3DF		3D Pensorse 3DP	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
3000LM	14.5	14.8	14.2	14.3	16.3	16.9	16.4	16.4	16.5	16.6	17.5	18
4000LM	15.4	15.8	15.1	15.2	17.2	17.8	17.4	17.4	17.4	17.5	18.4	18.9
4800LM	16.1	16.5	15.9	15.9	17.9	18.6	18.1	18.1	18.2	18.2	19.1	19.6
6000LM	16.9	17.3	16.7	16.7	18.7	19.4	18.9	18.9	19	19	19.9	20.4
7200LM	17.5	17.8	17.2	17.2	19.3	19.9	19.4	19.4	19.5	19.6	20.5	20.9
8500LM	18	18.4	17.8	17.8	19.9	20.5	20	20	20.1	20.5	21	21.5
10200LM	18.7	19	18.4	18.5	20.5	21.1	20.6	20.6	20.7	20.8	21.7	22.1

*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.

SPX LED Luminaire

Performance Data			
Luminaire Catalog	Lumens	Wattage	Efficacy
SPX 1x4 3000LM 80CRI 30K 3DP MVOLT	2989	22	134
SPX 1x4 3000LM 80CRI 35K 3DP MVOLT	3073	22	138
SPX 1x4 3000LM 80CRI 40K 3DP MVOLT	3137	22	141
SPX 1x4 3000LM 80CRI 50K 3DP MVOLT	3158	22	142
SPX 1x4 3000LM 90CRI 30K 3DP MVOLT	2480	22	111
SPX 1x4 3000LM 90CRI 35K 3DP MVOLT	2586	22	116
SPX 1x4 3000LM 90CRI 40K 3DP MVOLT	2649	22	119
SPX 1x4 3000LM 90CRI 50K 3DP MVOLT	2671	22	120
SPX 1x4 4000LM 80CRI 30K 3DP MVOLT	3918	31	128
SPX 1x4 4000LM 80CRI 35K 3DP MVOLT	4029	31	132
SPX 1x4 4000LM 80CRI 40K 3DP MVOLT	4113	31	134
SPX 1x4 4000LM 80CRI 50K 3DP MVOLT	4140	31	135
SPX 1x4 4000LM 90CRI 30K 3DP MVOLT	3251	31	106
SPX 1x4 4000LM 90CRI 35K 3DP MVOLT	3390	31	111
SPX 1x4 4000LM 90CRI 40K 3DP MVOLT	3474	31	114
SPX 1x4 4000LM 90CRI 50K 3DP MVOLT	3501	31	114
SPX 1x4 4800LM 80CRI 30K 3DP MVOLT	4609	36	127
SPX 1x4 4800LM 80CRI 35K 3DP MVOLT	4739	36	131
SPX 1x4 4800LM 80CRI 40K 3DP MVOLT	4838	36	134
SPX 1x4 4800LM 80CRI 50K 3DP MVOLT	4870	36	134
SPX 1x4 4800LM 90CRI 30K 3DP MVOLT	3824	36	106
SPX 1x4 4800LM 90CRI 35K 3DP MVOLT	3988	36	110
SPX 1x4 4800LM 90CRI 40K 3DP MVOLT	4086	36	113
SPX 1x4 4800LM 90CRI 50K 3DP MVOLT	4118	36	114
SPX 1x4 6000LM 80CRI 30K 3DP MVOLT	5796	48	120
SPX 1x4 6000LM 80CRI 35K 3DP MVOLT	5960	48	124
SPX 1x4 6000LM 80CRI 40K 3DP MVOLT	6083	48	126
SPX 1x4 6000LM 80CRI 50K 3DP MVOLT	6124	48	127
SPX 1x4 6000LM 90CRI 30K 3DP MVOLT	4809	48	100
SPX 1x4 6000LM 90CRI 35K 3DP MVOLT	5015	48	104
SPX 1x4 6000LM 90CRI 40K 3DP MVOLT	5138	48	107
SPX 1x4 6000LM 90CRI 50K 3DP MVOLT	5179	48	108
SPX 1x4 7200LM 80CRI 30K 3DP MVOLT	6957	59	117
SPX 1x4 7200LM 80CRI 35K 3DP MVOLT	7155	59	121
SPX 1x4 7200LM 80CRI 40K 3DP MVOLT	7303	59	123
SPX 1x4 7200LM 80CRI 50K 3DP MVOLT	7352	59	124
SPX 1x4 7200LM 90CRI 30K 3DP MVOLT	5773	59	97
SPX 1x4 7200LM 90CRI 35K 3DP MVOLT	6020	59	101
SPX 1x4 7200LM 90CRI 40K 3DP MVOLT	6168	59	104
SPX 1x4 7200LM 90CRI 50K 3DP MVOLT	6217	59	105
SPX 2x2 2000LM 80CRI 30K 3DP MVOLT	2011	14	146
SPX 2x2 2000LM 80CRI 35K 3DP MVOLT	2068	14	150
SPX 2x2 2000LM 80CRI 40K 3DP MVOLT	2111	14	153
SPX 2x2 2000LM 80CRI 50K 3DP MVOLT	2125	14	154
SPX 2x2 2000LM 90CRI 30K 3DP MVOLT	1669	14	121
SPX 2x2 2000LM 90CRI 35K 3DP MVOLT	1740	14	126
SPX 2x2 2000LM 90CRI 40K 3DP MVOLT	1783	14	130
SPX 2x2 2000LM 90CRI 50K 3DP MVOLT	1797	14	131
SPX 2x2 3400LM 80CRI 30K 3DP MVOLT	3275	23	141
SPX 2x2 3400LM 80CRI 35K 3DP MVOLT	3368	23	145
SPX 2x2 3400LM 80CRI 40K 3DP MVOLT	3438	23	148
SPX 2x2 3400LM 80CRI 50K 3DP MVOLT	3461	23	149
SPX 2x2 3400LM 90CRI 30K 3DP MVOLT	2718	23	117
SPX 2x2 3400LM 90CRI 35K 3DP MVOLT	2834	23	122
SPX 2x2 3400LM 90CRI 40K 3DP MVOLT	2904	23	125
SPX 2x2 3400LM 90CRI 50K 3DP MVOLT	2927	23	126

Performance Data			
Luminaire Catalog	Lumens	Wattage	Efficacy
SPX 2x2 4000LM 80CRI 30K 3DP MVOLT	3887	28	138
SPX 2x2 4000LM 80CRI 35K 3DP MVOLT	3997	28	142
SPX 2x2 4000LM 80CRI 40K 3DP MVOLT	4080	28	145
SPX 2x2 4000LM 80CRI 50K 3DP MVOLT	4107	28	146
SPX 2x2 4000LM 90CRI 30K 3DP MVOLT	3225	28	115
SPX 2x2 4000LM 90CRI 35K 3DP MVOLT	3363	28	120
SPX 2x2 4000LM 90CRI 40K 3DP MVOLT	3446	28	122
SPX 2x2 4000LM 90CRI 50K 3DP MVOLT	3473	28	123
SPX 2x2 4800LM 80CRI 30K 3DP MVOLT	4724	35	135
SPX 2x2 4800LM 80CRI 35K 3DP MVOLT	4858	35	139
SPX 2x2 4800LM 80CRI 40K 3DP MVOLT	4958	35	142
SPX 2x2 4800LM 80CRI 50K 3DP MVOLT	4992	35	143
SPX 2x2 4800LM 90CRI 30K 3DP MVOLT	3920	35	112
SPX 2x2 4800LM 90CRI 35K 3DP MVOLT	4087	35	117
SPX 2x2 4800LM 90CRI 40K 3DP MVOLT	4188	35	120
SPX 2x2 4800LM 90CRI 50K 3DP MVOLT	4221	35	121
SPX 2x2 6000LM 80CRI 30K 3DP MVOLT	5719	44	131
SPX 2x2 6000LM 80CRI 35K 3DP MVOLT	5881	44	134
SPX 2x2 6000LM 80CRI 40K 3DP MVOLT	6003	44	137
SPX 2x2 6000LM 80CRI 50K 3DP MVOLT	6043	44	138
SPX 2x2 6000LM 90CRI 30K 3DP MVOLT	4745	44	108
SPX 2x2 6000LM 90CRI 35K 3DP MVOLT	4948	44	113
SPX 2x2 6000LM 90CRI 40K 3DP MVOLT	5070	44	116
SPX 2x2 6000LM 90CRI 50K 3DP MVOLT	5111	44	117
SPX 2x2 7200LM 80CRI 30K 3DP MVOLT	7244	59	123
SPX 2x2 7200LM 80CRI 35K 3DP MVOLT	7449	59	126
SPX 2x2 7200LM 80CRI 40K 3DP MVOLT	7604	59	129
SPX 2x2 7200LM 80CRI 50K 3DP MVOLT	7655	59	130
SPX 2x2 7200LM 90CRI 30K 3DP MVOLT	6011	59	102
SPX 2x2 7200LM 90CRI 35K 3DP MVOLT	6268	59	106
SPX 2x2 7200LM 90CRI 40K 3DP MVOLT	6422	59	109
SPX 2x2 7200LM 90CRI 50K 3DP MVOLT	6473	59	110
SPX 2x4 3000LM 80CRI 30K 3DP MVOLT	2948	20	147
SPX 2x4 3000LM 80CRI 35K 3DP MVOLT	3032	20	151
SPX 2x4 3000LM 80CRI 40K 3DP MVOLT	3094	20	154
SPX 2x4 3000LM 80CRI 50K 3DP MVOLT	3115	20	156
SPX 2x4 3000LM 90CRI 30K 3DP MVOLT	2446	20	122
SPX 2x4 3000LM 90CRI 35K 3DP MVOLT	2551	20	127
SPX 2x4 3000LM 90CRI 40K 3DP MVOLT	2613	20	130
SPX 2x4 3000LM 90CRI 50K 3DP MVOLT	2634	20	132
SPX 2x4 4000LM 80CRI 30K 3DP MVOLT	3853	27	144
SPX 2x4 4000LM 80CRI 35K 3DP MVOLT	3962	27	148
SPX 2x4 4000LM 80CRI 40K 3DP MVOLT	4044	27	151
SPX 2x4 4000LM 80CRI 50K 3DP MVOLT	4072	27	152
SPX 2x4 4000LM 90CRI 30K 3DP MVOLT	3197	27	119
SPX 2x4 4000LM 90CRI 35K 3DP MVOLT	3334	27	124
SPX 2x4 4000LM 90CRI 40K 3DP MVOLT	3416	27	128
SPX 2x4 4000LM 90CRI 50K 3DP MVOLT	3443	27	129
SPX 2x4 4800LM 80CRI 30K 3DP MVOLT	4736	34	141
SPX 2x4 4800LM 80CRI 35K 3DP MVOLT	4870	34	145
SPX 2x4 4800LM 80CRI 40K 3DP MVOLT	4971	34	148
SPX 2x4 4800LM 80CRI 50K 3DP MVOLT	5004	34	149
SPX 2x4 4800LM 90CRI 30K 3DP MVOLT	3930	34	117
SPX 2x4 4800LM 90CRI 35K 3DP MVOLT	4098	34	122
SPX 2x4 4800LM 90CRI 40K 3DP MVOLT	4198	34	125
SPX 2x4 4800LM 90CRI 50K 3DP MVOLT	4232	34	126

Performance Data			
Luminaire Catalog	Lumens	Wattage	Efficacy
SPX 2x4 6000LM 80CRI 30K 3DP MVOLT	5962	43	138
SPX 2x4 6000LM 80CRI 35K 3DP MVOLT	6131	43	142
SPX 2x4 6000LM 80CRI 40K 3DP MVOLT	6258	43	144
SPX 2x4 6000LM 80CRI 50K 3DP MVOLT	6300	43	145
SPX 2x4 6000LM 90CRI 30K 3DP MVOLT	4947	43	114
SPX 2x4 6000LM 90CRI 35K 3DP MVOLT	5158	43	119
SPX 2x4 6000LM 90CRI 40K 3DP MVOLT	5285	43	122
SPX 2x4 6000LM 90CRI 50K 3DP MVOLT	5328	43	123
SPX 2x4 7200LM 80CRI 30K 3DP MVOLT	6943	53	131
SPX 2x4 7200LM 80CRI 35K 3DP MVOLT	7139	53	135
SPX 2x4 7200LM 80CRI 40K 3DP MVOLT	7287	53	138
SPX 2x4 7200LM 80CRI 50K 3DP MVOLT	7336	53	139
SPX 2x4 7200LM 90CRI 30K 3DP MVOLT	5761	53	109
SPX 2x4 7200LM 90CRI 35K 3DP MVOLT	6007	53	113
SPX 2x4 7200LM 90CRI 40K 3DP MVOLT	6155	53	116
SPX 2x4 7200LM 90CRI 50K 3DP MVOLT	6204	53	117
SPX 2x4 8500LM 80CRI 30K 3DP MVOLT	8196	63	129
SPX 2x4 8500LM 80CRI 35K 3DP MVOLT	8428	63	133
SPX 2x4 8500LM 80CRI 40K 3DP MVOLT	8603	63	136
SPX 2x4 8500LM 80CRI 50K 3DP MVOLT	8661	63	137
SPX 2x4 8500LM 90CRI 30K 3DP MVOLT	6801	63	107
SPX 2x4 8500LM 90CRI 35K 3DP MVOLT	7091	63	112
SPX 2x4 8500LM 90CRI 40K 3DP MVOLT	7266	63	115
SPX 2x4 8500LM 90CRI 50K 3DP MVOLT	7324	63	116
SPX 2x4 10200LM 80CRI 30K 3DP MVOLT	9847	80	123
SPX 2x4 10200LM 80CRI 35K 3DP MVOLT	10126	80	127
SPX 2x4 10200LM 80CRI 40K 3DP MVOLT	10336	80	129
SPX 2x4 10200LM 80CRI 50K 3DP MVOLT	10406	80	130
SPX 2x4 10200LM 90CRI 30K 3DP MVOLT	8171	80	102
SPX 2x4 10200LM 90CRI 35K 3DP MVOLT	8520	80	107
SPX 2x4 10200LM 90CRI 40K 3DP MVOLT	8729	80	109
SPX 2x4 10200LM 90CRI 50K 3DP MVOLT	8799	80	110

OPTICS MULTIPLIER

Multiply the lumens for 3DP in the chart to the right by the factors below to get expected Lumens.
For more accurate data please view the .IES files for SPX.

Optics Nomenclature	Luminaire Size		
	1x4	2x2	2x4
3DF	1.016	1.002	1.017
3DCB	1.020	0.991	1.015
MPL	0.979	0.979	0.979
LUGR	0.986	0.986	0.986
3DCP	0.982	0.982	0.982

Lumen Maintenance:

Reported Lumen Maintenance	Forecasted Lumen Maintenance
L90 @ 50k Hrs / L80 @ >60k Hrs / L70 @ >60k Hrs	L90 @ 50k Hrs / L80 @ 104k Hrs / L70 @ 164k Hrs