LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree nLight Platform Sensor Switch JOT Photometrics Performance Data Drawings

Catalog Number
Notes
Type

EPANL LED

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

FEATURES & SPECIFICATIONS

INTENDED USE — The EPANL Series LED Edge-Lit Flat Panel provides a fully luminous appearance across the face of the lens. This provides a soft, glare-free solution that is visually comfortable within the space. Suitable for many lighting applications including schools, offices and other commercial spaces, retail, convenience stores, hospitals and healthcare facilities. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — This edgelit platform was built to last with an aluminum frame for strength and durability, the seamless frame prevents light leak in the corners. The PMMA light guide plate and lens resists yellowing and transmits light with superior efficacy. The satin white lens provides excellent shielding and fully luminous appearance. EPANL's low-profile design provides increased installation flexibility especially in restricted plenum spaces. The back plate includes integral T-bar clips for installation into 15/16" or 9/16" T-grid ceilings. Fixture may be recessed, suspended, surface box mounted or mounted in a hard-ceiling see accessories section for more information. Fixture may be mounted and wired in continuous rows.

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, CL**AIR**ITY+, which allows for simple sensor adjustment.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 7 for more details on the integrated wireless sensor.

ELECTRICAL — Long-life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. See page 3 for detailed lumen maintenance information. 0-10V dimming driver, dims to 1% or 10% and contains non-isolated dimming leads.

LISTINGS — CSA Certified to meet US and Canadian standards. Tested to meet UL1598. Intended for indoor use only. Product is not to be stored in non-climate controlled spaces.

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.

Damp location listed. IC rated. IP5X rated. Long nomenclature, configurable product is 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. Suitable for ambient temperatures from 32°F (0°C) to 77°F (25°C).

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.

Dimensions

	1x4	2x2	2x4
Length	47.72"	23.70"	47.72"
Width	11.85"	23.70"	23.70"
Depth	2.19"	2.19"	2.19"
Weight	13.9 lbs	7.4 lbs	15.1 lbs

* Base configurations; options may add weight

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

EPANL LED Flat Panel

A+ Capable options indicated by this color background.

ORDERING INFORMATION

Example: EPANL 2X4 4000LM 80CRI 35K MIN1 MVOLT E10WCP NLTAIR2 RIO

Series	Width and Length	Lumens		CRI	Color Temperature	Minimum Dimming Level ‡
		Standard Lumens:	High Efficiency Lumens:			
EPANL LED Flat Panel	1x4 1'x4'	1500LM 1500 Lumens 3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens 6000LM 6000 Lumens	1500LMHE 1500 Lumens 3000LMHE 3000 Lumens 4000LMHE 4000 Lumens 4800LMHE 4800 Lumens 6000LMHE 6000 Lumens	80CRI 80 CRI	30K 3000K 35K 3500K 40K 4000K 50K 5000K	MIN10 Dims to 10% ‡ MIN1 Dims to 1%
	2x2 2'x2'	2000LM 2000 Lumens 3400LM 3400 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens	2000LMHE 2000 Lumens 3400LMHE 3400 Lumens 4000LMHE 4000 Lumens 4800LMHE 4800 Lumens			
	2x4 2'x4'	3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens 5400LM 5400 Lumens 6000LM 6000 Lumens 6800LM 6800 Lumens 7200LM 7200 Lumens	3000LMHE 3000 Lumens 4000LMHE 4000 Lumens 4800LMHE 4800 Lumens 5400LMHE 5400 Lumens 6000LMHE 6000 Lumens 6800LMHE 6800 Lumens 7200LMHE 7200 Lumens			

Dimming ‡	Voltage	Step Level Dimming	Emergency Option
ZT Generic 0-10V Dimming	MVOLT 120-277V	(Blank) None	E10WCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡
EZT eldoLED 0-10V Dimming	120 120V	SLD Step Level Dimming ‡	GTD Generator Transfer Device ‡
DALI eldoLED DALI	277 277V		EMG for use with NLIGHT or NLTAIR2 on generator supply EM power ‡
	347 347V ‡		

Control Options

Control Input

nLight Wired:

- NLIGHT nLight enabled, no constant lumen management
- CL80 NLIGHT nLight enabled, constant lumen output 80%

nLight Wireless:

- NLTAIR2 nLight AIR Generation 2 enabled ‡

Control

nLight Wired: ‡

- (blank) no control

nLight Wireless:

- RIO nLight AIR Radio module without sensor ‡
- RES7 nLight AIR control with PIR integral occupancy sensor and automatic dimming photocell ‡
- RES7PDT nLight AIR control with PDT dual technology integral occupancy sensor and automatic dimming photocell ‡

Individual Control

- JOT Wireless room control with "Just One Touch" pairing ‡
- JOTVTX15 Wireless occupancy sensor with "Just One Touch" pairing ‡

Options

- GLR Fast-blowing fuse ‡
- 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 ‡
- CP Chicago plenum ‡
- NPLT Narrow Pallet
- BDP Factory Installed Ballast Disconnect Plug
- RRL_ RELOC®-ready luminaire ‡

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restictions chart on the next page. Options are sorted alphanumerically.

‡ Option Value Ordering Restrictions	
Option Value	**Restriction**
347	Not available with SLD, E10WCP, or GTD options.
Dimming	If Step Level Dimming (SLD) or NLIGHT or NLTAIR2 is specified, leave this section blank.
CP	Not available with nLight wired (NLIGHT), nLight wireless (NLTAIR2). Not available with PWS1836, PWS1846, PWS1856LV, or PWS1846 PWSLV.
E10WCP	Refer to Emergency Battery Estimated Lumen section for lumen estimation. Test Switch must be remote mounted or installed in an adjacent ceiling tile. When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
EMG	Requires a connection to existing NLIGHT or NLTAIR2 network. Power is provided from separate nLight enabled fixture. When EMG is combined with NLTAIR2 see UL924 Sequence of Operation Chart on page 4.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
GTD	Not available with JOT, JOTVTX15, sensor options or emergency battery options. Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: GTD BSE10.
JOT, JOTVTX15	Not available with NLIGHT, DALI, SLD, GTD, EMG, or NLTAIR2 options.
MIN10	Not available with EZT, NLIGHT or DALI.
Minimum Dimming Level	If Step Level Dimming (SLD) is specified, leave this section blank.
NLTAIR2	Only available with MIN1 minimum dimming level option.
PWS1846 PWSLV	Not available with GTD, nLight wired, nLight wireless, NLIGHT or NLTAIR2.
PWS1856LV	Not available with nLight wired, nLight wireless, NLIGHT, or NLTAIR2.
RES7, RES7PDT, RIO	See UL924 Sequence of Operation chart on page 4. Can be used as a normal power sensing device for nLight Air devices and luminaries with EM options.
RRL_	For ordering logic consult RRL_2013.
SLD	Not available with with any nLight Interface, Control options, or GTD. When using prewire option use PWS1846.

Tunable White (Select SKUs Only)

Available SKUs:

*2735H0 EPANL 2X2 TUWH PROR 4800LM 80CRI NLT
*2735H9 EPANL 2X2 TUWH PROR 4800LM 80CRI NLT PWS1836
*2735HJ EPANL 2X2 TUWH PROR 4800LM 80CRI NLT E10WCP
*2735HN EPANL 2X2 TUWH PROR 4800LM 80CRI NLT E10WCP PWS1846

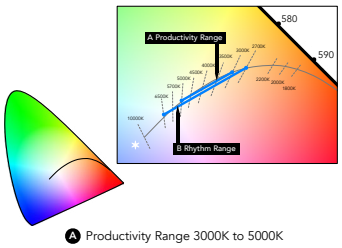
Operating Performance:

Nomenclature	CCT	Lumens	Efficacy	CRI
EPANL 2X2 TUWH PROR 4800LM 80CRI NLT @ 3000K	3105	4527.53	98.81	80.78
EPANL 2X2 TUWH PROR 4800LM 80CRI NLT @ 4000K	3974	4920.24	127.2	83.85
EPANL 2X2 TUWH PROR 4800LM 80CRI NLT @ 5000K	4925	5004.18	123.41	82.89

Mainstream Dynamic Tunable White with nTune Technology: Tunable white nTune™ is an all-digital light color temperature control within an nLight enabled luminaire. This brings tunable white lighting control into the mainstream with repeatable, consistent results in an economical luminaire form and system already familiar to schools. Designers and facility operators are granted the freedom to tie scenes to specific activities or to complement colors or materials within a visual environment. nTune™ allows color temperature settings through the Productivity Range of 3000K-5000K. Refer to the Programming User's Guide for instructions on customizing to your application with SensorView.

Tunable White GPHD

- **Gamut**: One dimensional Warm-Cool
- **Path**: Direct 3000K to 5000K (Productivity Range)
- **Handle**: Two Natural Language Handles: Intensity and CCT
- **Data**: nLight with nTune technology for both handles of control



A Productivity Range 3000K to 5000K

Lumen Maintenance:

EPANL	Reported Lumen Maintenance	Forecasted Lumen Maintenance
SE LEDs	L90 @ 41k Hrs / L80 @ >54k Hrs / L70 @>54k Hrs	L90 @ 41k Hrs / L80 @ 84k Hrs / L70 @ 134k Hrs
HE LEDs	L90 @ 44k Hrs / L80 @ >54k Hrs / L70 @ >54k Hrs	L90 @ 44k Hrs / L80 @ 93k Hrs / L70 @ 148k Hrs