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Innovative Solutions

Job Name:

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Contact:

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Architect:

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Designer:

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Engineer:

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Electrical Contractor:

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General Contractor:

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To: \_\_\_\_\_

Date: \_\_\_\_\_

Attention: \_\_\_\_\_

Job / Project Reference: \_\_\_\_\_

Material Reference: \_\_\_\_\_

Sending the following items: \_\_\_\_\_  
\_\_\_\_\_

Copies	Dated	Number or Reference	Description

	For approval
Remarks:	

Copy to: \_\_\_\_\_

From: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_



**Date: Jan 28, 2026**

Lighting Associates, Inc.  
3600 Swiftwater Park Drive  
Suwanee GA 30024  
Phone: (770) 448-9250

Job Name  
**GEORGIA INSTITUTE TECHNOLOGY BRITAIN DINING HALL**  
LAI26-275156  
ATLANTA GA

Submittal Date  
Jan 28, 2026



# Transmittal

Lighting Associates, Inc.  
3600 Swiftwater Park Drive  
Suwanee GA 30024  
Phone: (770) 448-9250  
**From: Chris Dwyer**

**Project**    **GEORGIA INSTITUTE  
TECHNOLOGY BRITAIN DINING HALL**

**Quote#**    LAI26-275156

**Location**    ATLANTA GA

Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- |                                   |  |        |
|-----------------------------------|--|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications        | Other: |
| <input type="checkbox"/> Prints   | <input type="checkbox"/> Information           |        |
| <input type="checkbox"/> Plans    | <input checked="" type="checkbox"/> Submittals |        |

THESE ARE TRANSMITTED FOR:

- |  |   |                                 |
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| <input type="checkbox"/> Prior Approval        | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input checked="" type="checkbox"/> Approval   | <input type="checkbox"/> Corrections              | Bids due on:                    |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use                 | Other:                          |
| <input type="checkbox"/> Approval as Noted     | <input type="checkbox"/> Review and Comment       |                                 |

Type	MFG	Part
A	Acuity Brands Lighting	<a href="#">EPANL 2X4 5400LM 80CRI 35K MIN10 ZT MVOLT</a>
	2x4	
A2	Acuity Brands Lighting	<a href="#">EPANL 2X2 4800LM 80CRI 35K MIN10 ZT MVOLT</a>
	2x2	
A3	Acuity Brands Lighting	<a href="#">EPANL 1X4 4000LM 80CRI 35K MIN10 ZT MVOLT</a>
	1x4	
B	Acuity Brands Lighting	<a href="#">EVO4SH 35/30 DFR SOL MVOLT EZ1 evo4</a>
B2	Acuity Brands Lighting	<a href="#">EVO4LW 35/15 MVOLT GZ10 AR LD evo4 ww</a>
X	Acuity Brands Lighting	<a href="#">EXRG EL M6</a>



**DIGITAL NAVIGATION**

[Ordering Tree](#) [nLight Platform](#) [Photometrics](#) [Performance Data](#) [Drawings](#)

**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 backplate 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.

**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.

**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](http://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](http://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

Catalog Number
Notes
Type

# EPANL LED

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



**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.

- 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](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



**Job Name:**  
 GEORGIA INSTITUTE  
 TECHNOLOGY BRITAIN DINING HALL

**Catalog Number:**  
 EPANL 2X4 5400LM 80CRI 35K  
 MIN10 ZT MVOLT  
 Notes:

**Type:**  
**A**  
 LAI26-275156

## 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 ‡	
EPANL LED Flat Panel	1x4 1'x4'	Standard Lumens:		80CRI 80 CRI	35K 3500K 40K 4000K	MIN10 Dims to 10% ‡ MIN1 Dims to 1%
		1500LM 1500 Lumens				
		3000LM 3000 Lumens				
		4000LM 4000 Lumens				
	2x2 2'x2'	2000LM 2000 Lumens				
		3400LM 3400 Lumens				
		4000LM 4000 Lumens				
		4800LM 4800 Lumens				
	2x4 2'x4'	3000LM 3000 Lumens				
		4000LM 4000 Lumens				
		4800LM 4800 Lumens				
		5400LM 5400 Lumens				
		6000LM 6000 Lumens				

Dimming ‡	Voltage	Step Level Dimming	Emergency Option
ZT Generic 0-10V Dimming	MVOLT 120-277V	(Blank) None	E10W Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS, CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch ( <a href="#">LINK</a> ) ‡
EZT eldoLED 0-10V Dimming	120 120V 277 277V 347 347V ‡		E10WCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ GTD Generator Transfer Device ‡ EMG for use with NLIGHT or NLTAIR2 on generator supply EM power ‡

### Control Options

Control Input	Control
<b>nLight Wired:</b>	<b>nLight Wired:</b> ‡
NLIGHT nLight enabled, no constant lumen management	(blank) no control
CL80 NLIGHT nLight enabled, constant lumen output 80%	
<b>nLight Wireless:</b>	<b>nLight Wireless:</b>
NLTAIR2 nLight AIR Generation 2 enabled ‡	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 ‡

### Options

GLR Fast-blowing fuse ‡	PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡
GMF Slow-blowing fuse ‡	CP Chicago plenum ‡
PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit	NPLT Narrow Pallet
PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit	BDP Factory Installed Ballast Disconnect Plug
PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡	RRL_ RELOC®-ready luminaire ‡

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



EPANL

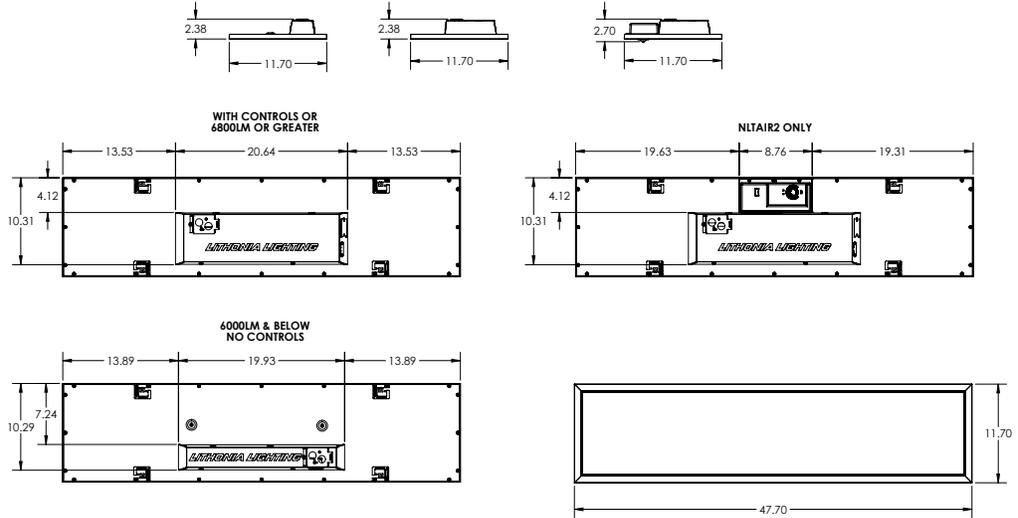
## EPANL LED Flat Panel

Performance Data					
Model Number	DLC Classification	Lumens	Watts	LPW	DLC Product ID
EPANL 1X4 1500LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1574	14	113	PI6VKUP
EPANL 1X4 1500LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1637	14	117	P7MFGP4R
EPANL 1X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2960	27	110	P5L7HREA
EPANL 1X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3078	27	114	PICJQWDG
EPANL 1X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3811	37	104	
EPANL 1X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3963	37	107	P4SKVRJP
EPANL 1X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4923	45	110	PR3K6SHH
EPANL 2X2 2000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2071	19	110	P7I6D3WI
EPANL 2X2 2000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2154	19	115	PPTL71HY
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3428	30	113	PQAFPJ6
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	3428	30	113	
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3566	30	118	PY8MM627
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	3566	30	118	PMKTPCS2
EPANL 2X2 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3963	37	108	
EPANL 2X2 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4121	37	110	PW0040LR
EPANL 2X2 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	4729	45	106	
EPANL 2X2 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4843	45	109	PS2AC19A
EPANL 2X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3141	29	110	P4PIGUFW
EPANL 2X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3266	29	115	PSPB7FBG
EPANL 2X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4077	38	108	PG2MHOZE
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4240	38	113	PNKUCIA
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4240	38	113	
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4998	45	111	P8FFEBOH
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4998	45	111	
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5119	45	113	PL3AU798
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	5119	45	113	
EPANL 2X4 5400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5546	49	113	PVKKX9GJ
EPANL 2X4 5400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5679	49	116	P31GEZNP
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6364	50	127	PMHI2SAT
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	6364	55	115	PD2QM1LA
EPANL 2X4 6000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6548	50	131	P4H3UGFQ

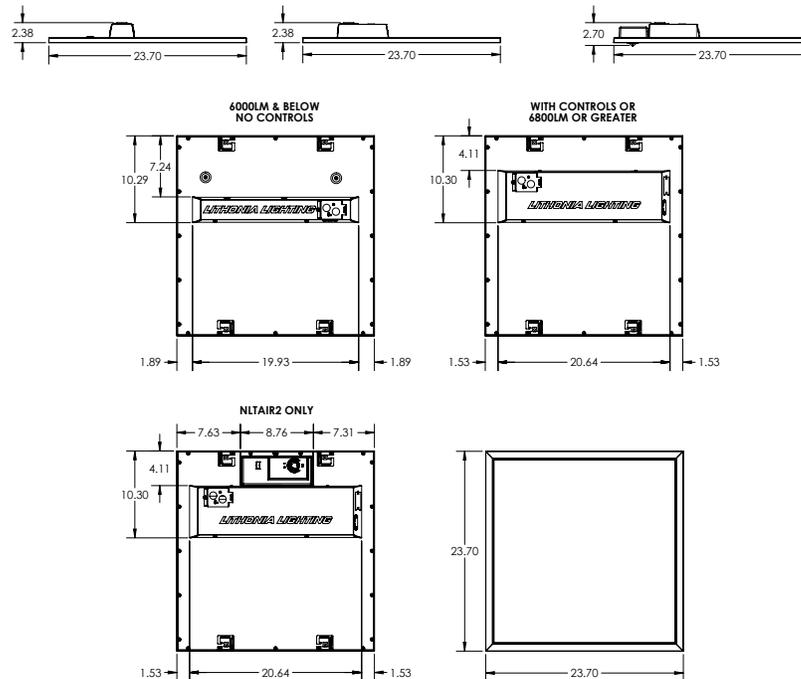
**EPANL LED Flat Panel**

**DIMENSIONS**

**1X4 Configurations**



**2X2 Configurations**





**DIGITAL NAVIGATION**

[Ordering Tree](#) [nLight Platform](#) [Photometrics](#) [Performance Data](#) [Drawings](#)

**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.](#)

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**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.

**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.

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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).

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*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

Catalog Number
Notes
Type

# EPANL LED

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



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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.

- 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](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



**Job Name:**  
 GEORGIA INSTITUTE  
 TECHNOLOGY BRITAIN DINING HALL

**Catalog Number:**  
 EPANL 2X2 4800LM 80CRI 35K  
 MIN10 ZT MVOLT  
 Notes:

**Type:**  
A2  
 LAI26-275156

## 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 ‡	
EPANL LED Flat Panel	1x4 1'x4'	Standard Lumens:		80CRI 80 CRI	35K 3500K 40K 4000K	MIN10 Dims to 10% ‡ MIN1 Dims to 1%
		1500LM 1500 Lumens				
		3000LM 3000 Lumens				
		4000LM 4000 Lumens				
	2x2 2'x2'	4800LM 4800 Lumens				
		2000LM 2000 Lumens				
		3400LM 3400 Lumens				
		4000LM 4000 Lumens				
	2x4 2'x4'	4800LM 4800 Lumens				
		3000LM 3000 Lumens				
		4000LM 4000 Lumens				
		4800LM 4800 Lumens				
		5400LM 5400 Lumens				
		6000LM 6000 Lumens				

Dimming ‡	Voltage	Step Level Dimming	Emergency Option
ZT Generic 0-10V Dimming	MVOLT 120-277V	(Blank) None	E10W Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS, CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch ( <a href="#">LINK</a> ) ‡
EZT eldoLED 0-10V Dimming	120 120V 277 277V 347 347V ‡		E10WCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ GTD Generator Transfer Device ‡ EMG for use with NLIGHT or NLTAIR2 on generator supply EM power ‡

Control Options	
<b>Control Input</b> nLight Wired: NLIGHT nLight enabled, no constant lumen management CL80 NLIGHT nLight enabled, constant lumen output 80%	<b>Control</b> nLight Wired: ‡ (blank) no control
nLight Wireless: NLTAIR2 nLight AIR Generation 2 enabled ‡	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 ‡

Options	
GLR Fast-blowing fuse ‡	PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡
GMF Slow-blowing fuse ‡	CP Chicago plenum ‡
PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit	NPLT Narrow Pallet
PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit	BDP Factory Installed Ballast Disconnect Plug
PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡	RRL_ RELOC®-ready luminaire ‡

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



EPANL

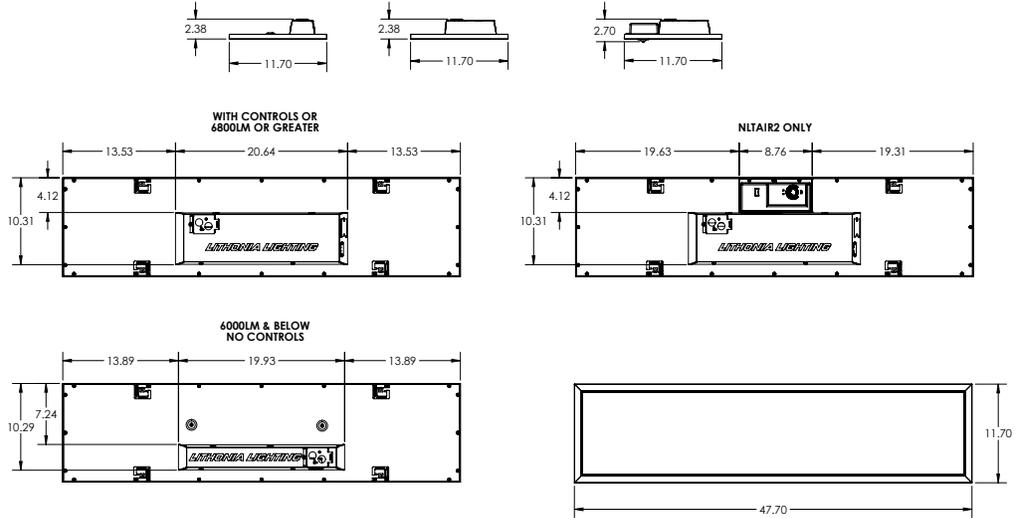
## EPANL LED Flat Panel

Performance Data					
Model Number	DLC Classification	Lumens	Watts	LPW	DLC Product ID
EPANL 1X4 1500LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1574	14	113	PI6VKUP
EPANL 1X4 1500LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1637	14	117	P7MFGP4R
EPANL 1X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2960	27	110	P5L7HREA
EPANL 1X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3078	27	114	PICJQWDG
EPANL 1X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3811	37	104	
EPANL 1X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3963	37	107	P4SKVRJP
EPANL 1X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4923	45	110	PR3K6SHH
EPANL 2X2 2000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2071	19	110	P7I6D3WI
EPANL 2X2 2000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2154	19	115	PPTL71HY
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3428	30	113	PQAFPJ6
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	3428	30	113	
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3566	30	118	PY8MM627
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	3566	30	118	PMKTPCS2
EPANL 2X2 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3963	37	108	
EPANL 2X2 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4121	37	110	PW0040LR
EPANL 2X2 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	4729	45	106	
<b>EPANL 2X2 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]</b>	<b>Standard</b>	<b>4843</b>	<b>45</b>	<b>109</b>	<b>PS2ACT9A</b>
EPANL 2X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3141	29	110	P4PIGUFW
EPANL 2X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3266	29	115	PSPB7FBG
EPANL 2X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4077	38	108	PG2MHOZE
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4240	38	113	PNKUCIA
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4240	38	113	
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4998	45	111	P8FFBQH
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4998	45	111	
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5119	45	113	PL3AU798
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	5119	45	113	
EPANL 2X4 5400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5546	49	113	PVKKX9GJ
EPANL 2X4 5400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5679	49	116	P31GEZNP
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6364	50	127	PMHI2SAT
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	6364	55	115	PD2QM1LA
EPANL 2X4 6000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6548	50	131	P4H3UGFQ

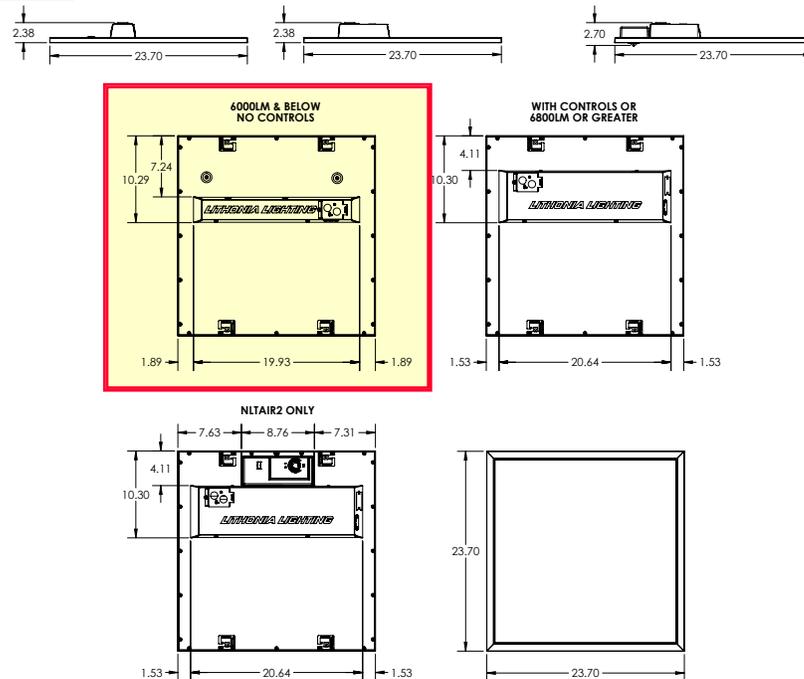
# EPANL LED Flat Panel

## DIMENSIONS

### 1X4 Configurations



### 2X2 Configurations



**DIGITAL NAVIGATION**
[Ordering Tree](#) [nLight Platform](#) [Photometrics](#) [Performance Data](#) [Drawings](#)
**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 backplate 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.

**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.

**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](http://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](http://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

Catalog Number
Notes
Type

**EPANL LED**

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

**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](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



**Job Name:**  
 GEORGIA INSTITUTE  
 TECHNOLOGY BRITAIN DINING HALL

**Catalog Number:**  
 EPANL 1X4 4000LM 80CRI 35K  
 MIN10 ZT MVOLT  
 Notes:

**Type:**  
A3  
 LAI26-275156

## 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:				
EPANL LED Flat Panel	1x4 1'x4'	1500LM 1500 Lumens	80CRI 80 CRI	35K 3500K	MIN10 Dims to 10% ‡	
		3000LM 3000 Lumens				
		4000LM 4000 Lumens				
		4800LM 4800 Lumens				
	2x2 2'x2'	2000LM 2000 Lumens		40K 4000K		MIN1 Dims to 1%
		3400LM 3400 Lumens				
		4000LM 4000 Lumens				
		4800LM 4800 Lumens				
	2x4 2'x4'	3000LM 3000 Lumens				
		4000LM 4000 Lumens				
		4800LM 4800 Lumens				
		5400LM 5400 Lumens				
		6000LM 6000 Lumens				

Dimming ‡	Voltage	Step Level Dimming	Emergency Option
ZT Generic 0-10V Dimming	MVOLT 120-277V	(Blank) None	E10W Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS, CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch ( <a href="#">LINK</a> ) ‡
EZT eldoLED 0-10V Dimming	120 120V 277 277V 347 347V ‡		E10WCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ GTD Generator Transfer Device ‡ EMG for use with NLIGHT or NLTAIR2 on generator supply EM power ‡

Control Options	
<b>Control Input</b> nLight Wired: NLIGHT nLight enabled, no constant lumen management CL80 NLIGHT nLight enabled, constant lumen output 80%	<b>Control</b> nLight Wired: ‡ (blank) no control
nLight Wireless: NLTAIR2 nLight AIR Generation 2 enabled ‡	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 ‡

Options	
GLR Fast-blowing fuse ‡	PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡
GMF Slow-blowing fuse ‡	CP Chicago plenum ‡
PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit	NPLT Narrow Pallet
PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit	BDP Factory Installed Ballast Disconnect Plug
PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡	RRL_ RELOC®-ready luminaire ‡

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



EPANL

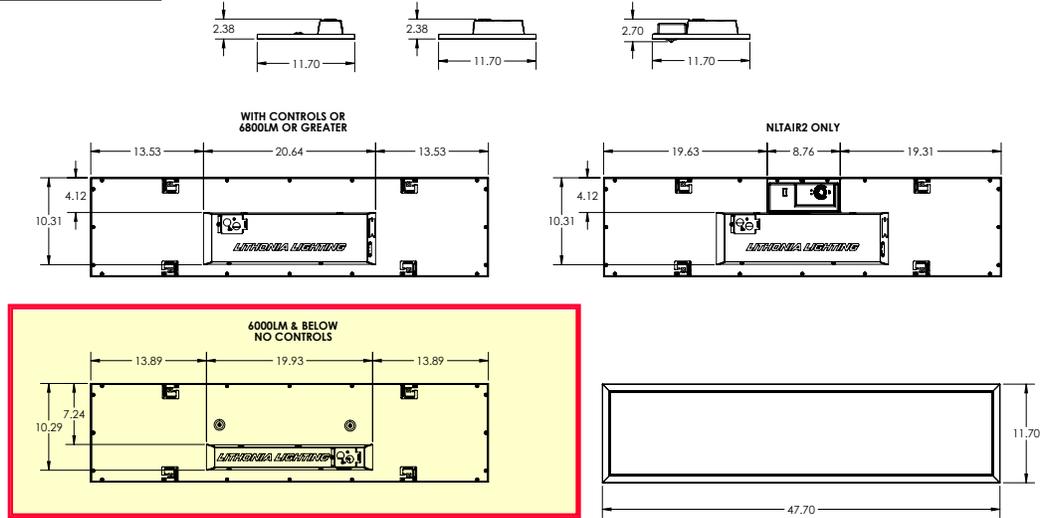
## EPANL LED Flat Panel

Performance Data					
Model Number	DLC Classification	Lumens	Watts	LPW	DLC Product ID
EPANL 1X4 1500LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1574	14	113	PI6VKUP
EPANL 1X4 1500LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	1637	14	117	P7MFGP4R
EPANL 1X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2960	27	110	P5L7HREA
EPANL 1X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3078	27	114	PICJQWDG
<b>EPANL 1X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]</b>	<b>Not Listed</b>	<b>3811</b>	<b>37</b>	<b>104</b>	
EPANL 1X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3963	37	107	P4SKVRJP
EPANL 1X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4923	45	110	PR3K6SHH
EPANL 2X2 2000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2071	19	110	P716D3WI
EPANL 2X2 2000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	2154	19	115	PPTL71HY
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3428	30	113	PQAFPJ6
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	3428	30	113	
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3566	30	118	PY8MM627
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	3566	30	118	PMKTPCS2
EPANL 2X2 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	3963	37	108	
EPANL 2X2 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4121	37	110	PW0040LR
EPANL 2X2 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Not Listed	4729	45	106	
EPANL 2X2 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4843	45	109	PS2AC19A
EPANL 2X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3141	29	110	P4PIGUFW
EPANL 2X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	3266	29	115	PSPB7FBG
EPANL 2X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4077	38	108	PG2MHOZE
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4240	38	113	PNKUCIA
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4240	38	113	
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	4998	45	111	P8FFBQH
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	4998	45	111	
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5119	45	113	PL3AU798
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Not Listed	5119	45	113	
EPANL 2X4 5400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5546	49	113	PVKKX9GJ
EPANL 2X4 5400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	5679	49	116	P31GEZNP
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6364	50	127	PMHI2SAT
EPANL 2X4 6000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] 347 [ALL OPTIONS]	Standard	6364	55	115	PD2QM1LA
EPANL 2X4 6000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	Standard	6548	50	131	P4H3UGFQ

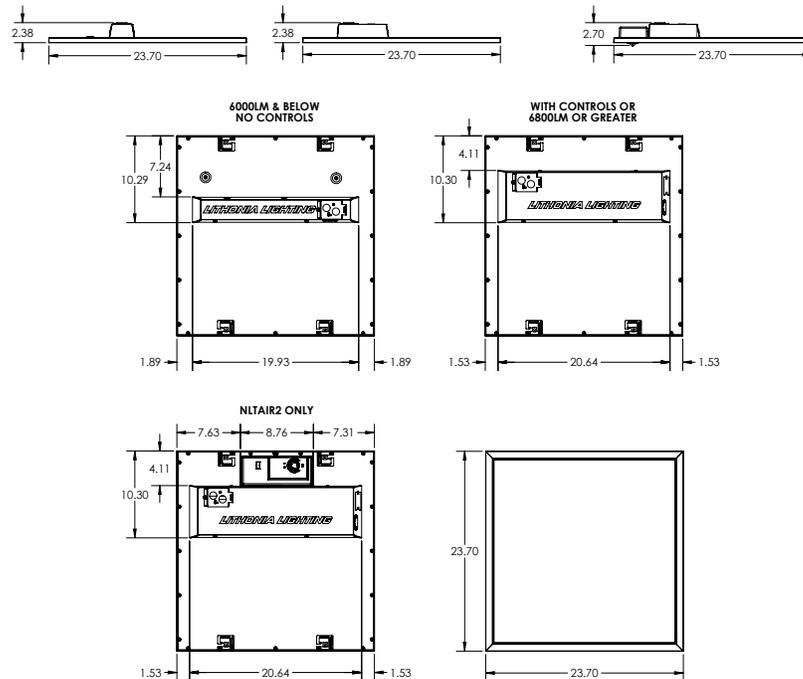
## EPANL LED Flat Panel

### DIMENSIONS

#### 1X4 Configurations



#### 2X2 Configurations





Luminaire Type:

Catalog Number:



# General Illumination Shower Downlight 4"



OVERVIEW

**Feature Set**

- Wipe down flush or regressed lens
- NSF2 Splash/Non-food Zone
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 MacAdam ellipse; 85 CRI typical, 90+ CRI optional
- IP66 rated room-side, Fixtures are wet location, covered ceiling
- Anti-microbial paint finish
- Non-conductive dead-front trim
- Suitable for steam room application
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. [UGR FAQ](#)

**Distribution**



**Superior Performance**

Nominal Lumens	1000	1500	2000	2500	3000	3500	4000	4500
Delivered	843	1281	1684	2165	2514	2868	3191	3512
Wattage	8.8	13.7	19.5	25.7	38.4	35.4	40.1	44.7
Efficacy	95.8	93.5	86.4	84.2	65.5	81.0	79.6	78.6

\*Lumen output for 80CRI - 3500K

COMPLEMENTARY PRODUCTS

**Coordinated Apertures | Multiple Layers of Light**



**General Illumination Layer | EVO**



**High Center Beam Layer | Incito**



**EVO + Incito — Multiple Layers of Light**

<b>Core</b>								
	Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic
	<b>Healthcare</b>							
MRI		Surgical Suite	Patient Room					
<b>Special Applications</b>								
	Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room		



**Job Name:**  
GEORGIA INSTITUTE  
TECHNOLOGY BRITAIN DINING HALL

**Catalog Number:**  
EVO4SH 35/30 DFR SOL MVOLT  
EZ1  
Notes:

**Type:**  
**B**  
LAI26-275156



**4" General Illumination Shower Downlight**

ORDERING INFORMATION

Luminaire Type:

Catalog Number:

EXAMPLE: EVO4SH 35/20 DFFAMF SOL MVOLT EZ1

Series	Color Temperature	Nominal Lumen Values	Lens Setting	Lens	Voltage
EVO4SH	27/ 2700 K	10 1000 lumens	<b>DFR</b> Regressed lensed white painted trim	<b>SOL</b> Textured Lens	<b>MVOLT</b>
	30/ 3000 K	15 1500 lumens	<b>DF</b> Flush lensed white painted trim	<b>SMO</b> Smooth Clear Lens	120
	<b>35/ 3500 K</b>	20 2000 lumens	<b>DFRBR</b> Regressed lensed black painted trim		277
	40/ 4000 K	25 2500 lumens	<b>DFFBR</b> Flush lensed black painted trim		
	50/ 5000 K	<b>30 3000 lumens</b>	<b>DFRAMF</b> Regressed lensed trim with anti-microbial finish		
		35 3500 lumens	<b>DF</b> Flush lensed white painted trim		
		40 4000 lumens	<b>DFFAMF</b> Flush lensed trim with anti-microbial finish		
	45 4500 lumens				

Driver <sup>1</sup>	Controls Interface	Emergency	Options
<b>EZ1</b> eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	<b>NLT<sup>2</sup></b> nLight® dimming pack controls 0-10V eldoLED drivers.	<b>(blank)</b> no emergency options	<b>SF</b> Single fuse. Specify 120V or 277V.
<b>EZB</b> eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	<b>NLTER<sup>2,3</sup></b> nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.	<b>E10WR<sup>4</sup></b> Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch	<b>90CRI</b> High CRI (90+).
<b>EDAB</b> eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.		<b>GTD</b> Generator transfer device. Specify 120V or 277V.	<b>CP</b> Chicago Plenum

**ACCESSORIES — order as separate catalog numbers (shipped separately)**

<b>SCA4</b>	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA8 10D. Refer to <a href="#">TECH-190</a> .
<b>CTAEV04</b>	4" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5").
<b>CTA4-8 YK</b>	4"-8" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). For use with CWW/DWW trims, EDXB, CP or nTune options.
<b>ISD BC</b>	0-10V wallbox dimmer. Refer to <a href="#">ISD-BC</a> .
<b>RK2 SDT 347/120 75VA U 347V</b>	step-down transformer mounted in box installed by others up to 5000lm
<b>RK2 SDT 347277120 395VA AD U 347V</b>	step down transformer mounted in box installed by others 6000-12,000lm

**ORDERING NOTES**

1. Refer to [TECH-240](#) for compatible dimmers.
2. Specify Voltage.
3. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
4. 11" of plenum depth or top access required for battery pack maintenance. Not available with CP option.

Submitted by Lighting Associates, Inc.	<b>Job Name:</b> GEORGIA INSTITUTE TECHNOLOGY BRITAIN DINING HALL	<b>Catalog Number:</b> EVO4SH 35/30 DFR SOL MVOLT EZ1 Notes:	<b>Type:</b> <div style="font-size: 2em; text-align: center;">B</div>
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LAI26-275156



4"
General Illumination Shower Downlight

SPECIFICATIONS

**Optical Assembly**

Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.

Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

**Electrical**

The luminaire shall operate from a 50 or 60 Hz  $\pm 3$  Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper. All drivers are ROHS compliant.

**Controls**

Luminaire shall be equipped with interface for nLight wired network with integral power supply as per specification.

**Dimming**

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

**Construction**

Luminaire housing is constructed of 20-gauge galvanized steel and has pre-installed telescopic mounting bars with maximum 26" and minimum 15" extension and 4" vertical adjustment.

Luminaires are suitable for installation in ceilings up to 1½" thick. (specify ceiling thickness adapter to extend frame to accommodate ceiling thickness up to 5").

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise).

**Listings**

Fixtures are CSA certified to meet US and Canadian standards. All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling.

**Government Procurement**

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations

BABA - Build America Buy America: Product 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](http://www.acuitybrands.com/buy-american) for additional information.

**Photometrics**

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

**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](http://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.

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

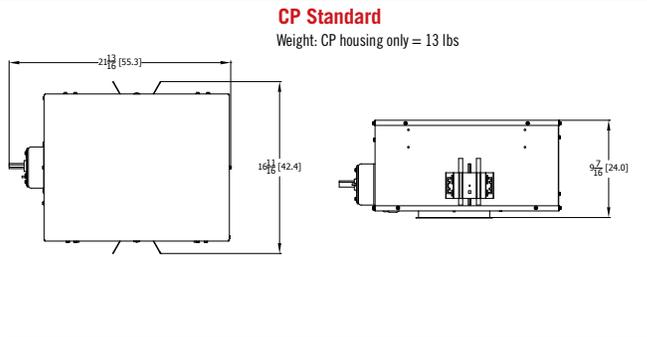
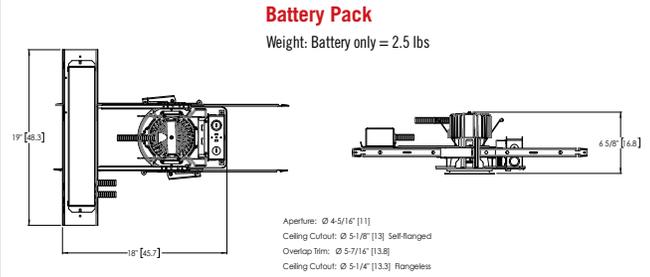
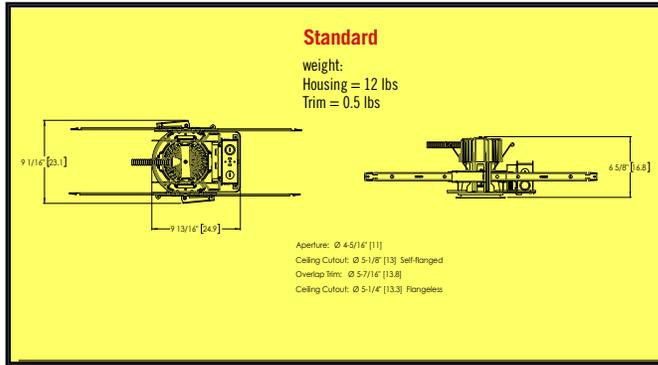
To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).



**4" General Illumination Shower Downlight**

DIMENSIONAL DATA

Aperture: 4-5/16" (11)      Ceiling Opening: 5-1/8" (13) self-flanged  
Overlap trim: 5-7/16" (13.8)      5-1/4" (13.3) flangeless



**EVO - eldoLED Driver Default Dimming Curve**

Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Logarithmic	Linear

Driver		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)	
Nomenclature	Description	NLT	NLTER
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER

**How to Estimate Delivered Lumens in Emergency Mode**

**Delivered Lumens = 1.25 x P x LPW**

P = Output power of emergency driver. P = 10W for PS1055CP

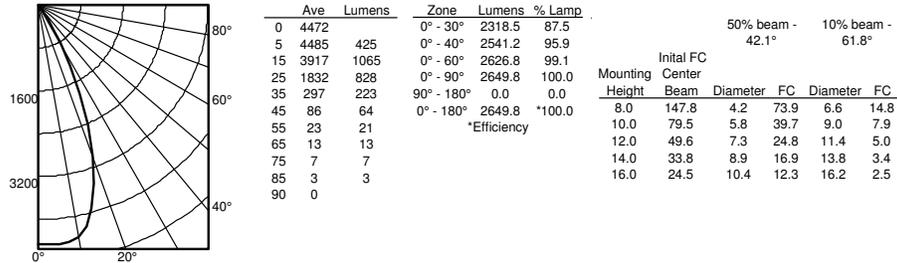
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.



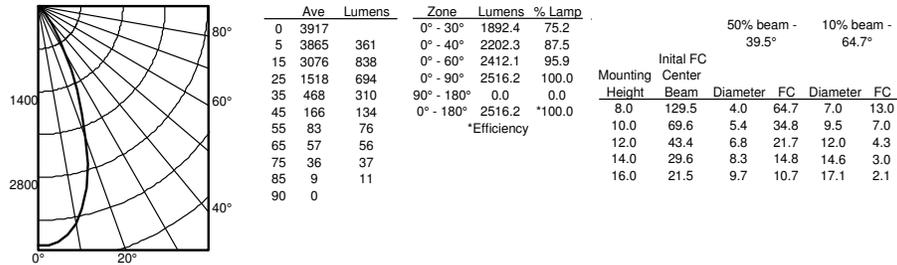
**4"** General Illumination Shower Downlight

Photometry

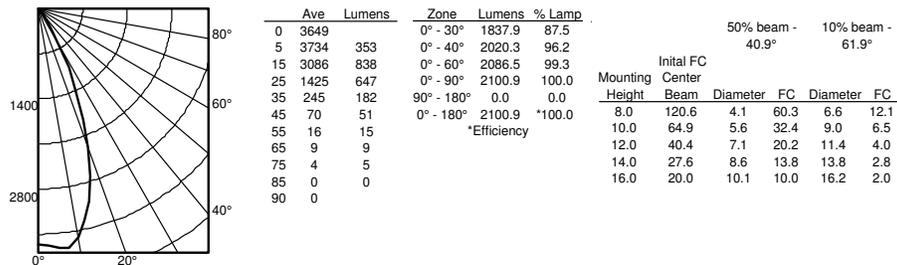
**EVO4SH 35/25 4DFF SMO INPUT WATTS: 37.2W, DELIVERED LUMENS: 2650LM, LPW = 71.2, TEST NO. PT06171309**



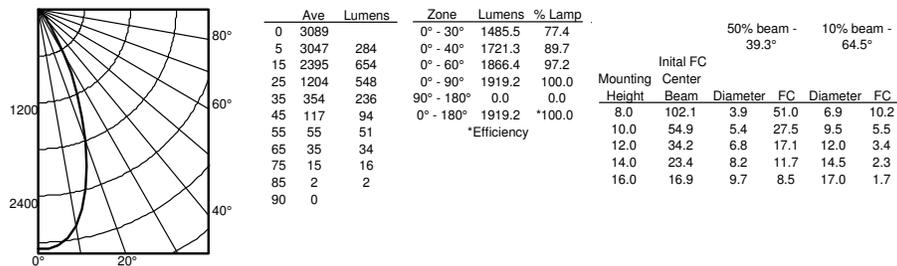
**EVO4SH 35/25 4DFF SOL INPUT WATTS: 37.2W, DELIVERED LUMENS: 2516LM, LPW = 67.6, TEST NO. PT06171308**



**EVO4SH 35/25 4DFR SMO INPUT WATTS: 37.2W, DELIVERED LUMENS: 2101LM, LPW =56.5, TEST NO. PT06171307**



**EVO4SH 35/25 4DFR SOL INPUT WATTS: 37.2W, DELIVERED LUMENS: 1919LM, LPW = 51.6, TEST NO. PT06171306**





**4"** General Illumination Shower Downlight

DFF SMO - Flush Clear								
Nominal Lumens	1000	1500	2000	2500	3000	3500	4000	4500
Delivered	843	1281	1684	2165	2514	2868	3191	3512
Wattage	8.8	13.7	19.5	25.7	38.4	35.4	40.1	44.7
Efficacy	95.8	93.5	86.4	84.2	65.5	81.0	79.6	78.6

\*Lumen output for CRI80 - 3500K

DFF SOL - Flush Textured								
Nominal Lumens	1000	1500	2000	2500	3000	3500	4000	4500
Delivered	801	1218	1602	2059	1968	2245	2498	2749
Wattage	8.8	13.7	19.5	25.7	38.4	35.4	40.1	44.7
Efficacy	91.0	88.9	82.2	80.1	51.3	63.4	62.3	61.5

\*Lumen output for CRI80 - 3500K

DFR SMO - Regressed Clear								
Nominal Lumens	1000	1500	2000	2500	3000	3500	4000	4500
Delivered	660	1003	1319	1695	2392	2728	3035	3340
Wattage	8.8	13.7	19.5	25.7	38.4	35.4	40.1	44.7
Efficacy	75.0	73.2	67.6	66.0	62.3	77.1	75.7	74.7

\*Lumen output for CRI80 - 3500K

DFR SOL - Regressed Textured								
Nominal Lumens	1000	1500	2000	2500	3000	3500	4000	4500
Delivered	611	929	1222	1571	1825	2081	2316	2549
Wattage	8.8	13.7	19.5	25.7	38.4	35.4	40.1	44.7
Efficacy	69.4	67.8	62.7	61.1	17.1	19.5	21.6	23.8

\*Lumen output for CRI80 - 3500K

CCT/CRI Multiplier Table		
CRI	CCT	Multiplier
80	2700K	0.96
	300K	1.00
	3500K	1.00
	4000K	1.01
90	5000K	1.07
	2700K	0.80
	300K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

nLIGHT

**nLight®** The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

**nLight® Wired Control Accessories**

Order as separate catalog number. Visit [nLight](#).

Wall Switches	Model Number
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)

Photocell Controls	Model Number
Dimming	nCM ADCX

**nLight® Wired Control Accessories (cont.)**

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

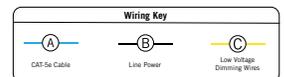
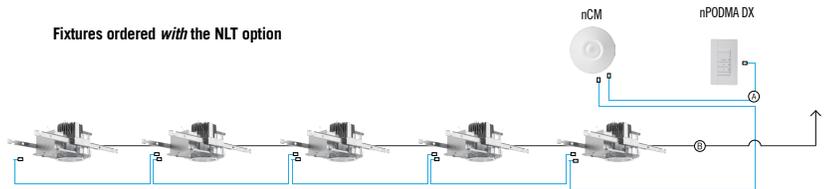
Cat-5 Cables (plenum rated)	
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

**Possibilities for nLight® wired**

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option





Luminaire Type:

Catalog Number:

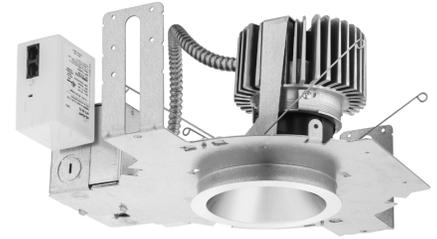


# General Illumination Lensed Wallwash 4"

OVERVIEW

**Feature Set**

- Bounding Ray™ optical design
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment
- Fixtures are wet location, covered ceiling
- 45° cutoff to source and source image
- Available with 10% dimming, 1% dimming, or dim to dark
- Fully serviceable and upgradeable lensed LED light engine
- Anodized kicker reflector provides uniform illumination from floor to ceiling
- 70% lumen maintenance at 60,000 hours



**Distribution**



**Superior Performance**

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500
Delivered Lumens	229	229	590	733	1116	1462	1886	2274	2653
Wattage	3.1	7.2	7.9	8.8	14.7	19.7	25.7	31.2	38.4
Lumens per Watt	0.0	0.0	74.7	83.3	75.9	74.2	73.4	72.9	69.1

COMPLEMENTARY PRODUCTS

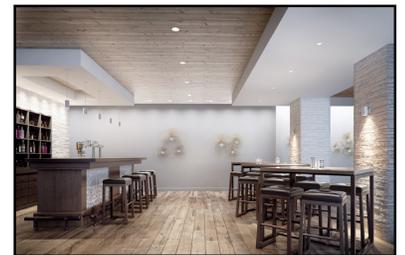
**Coordinated Apertures | Multiple Layers of Light**



**General Illumination Layer | EVO**



**High Center Beam Layer | Incito**



**EVO + Incito — Multiple Layers of Light**

<b>Core</b>								
	Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic
<b>Healthcare</b>								
	MRI	Surgical Suite	Patient Room					
<b>Special Applications</b>								
	Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room		



**Job Name:**  
GEORGIA INSTITUTE  
TECHNOLOGY BRITAIN DINING HALL

**Catalog Number:**  
EVO4LW 35/15 MVOLT GZ10 AR LD

**Type:**  
**B2**

Notes:

LAI26-275156



**4"**

**General Illumination Lensed Wallwash**

ORDERING INFORMATION

Luminaire Type:

Catalog Number:

EXAMPLE: EVO4LW 35/10 ARFL LSS 120 EZ1

Series	Color Temperature	Nominal Lumen Values	Aperture & Trim Color	Trim Style	Finish	Voltage
EVO4LW	27/ 2700 K	02 250 lumens	AR Clear	(blank) Self-flanged	LSS Semi-specular	MVOLT
	30/ 3000 K	05 500 lumens	PR Pewter	FL Flangeless	LD Matte diffuse	120
	35/ 3500 K	07 750 lumens	WTR Wheat		LS Specular	277
	40/ 4000 K	10 1000 lumens	GR Gold			347 <sup>2,3</sup>
	50/ 5000 K	15 1500 lumens	WR <sup>1</sup> White			
		20 2000 lumens	BR <sup>1</sup> Black			
		25 2500 lumens				
		30 3000 lumens				
		35 3500 lumens				

Driver <sup>4</sup>	Control Interface	Options
<b>GZ10</b> 0-10V driver dims to 10%	<b>NLT<sup>5</sup></b> nLight <sup>®</sup> dimming pack controls	<b>SF</b> Single fuse. Specify 120V or 277V.
<b>GZ1</b> 0-10V driver dims to 1%	<b>NLTER<sup>2,6,10</sup></b> nLight <sup>®</sup> dimming pack controls emergency circuit	<b>TRW<sup>7</sup></b> White painted flange
<b>EZ10</b> eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	<b>NLTAIR<sup>2,13,14</sup></b> nLight <sup>®</sup> AIR enabled	<b>TRBL<sup>8</sup></b> Black painted flange
<b>EZ1</b> eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	<b>NLTAIRER<sup>2,10,13</sup></b> nLight <sup>®</sup> AIR enabled wireless dimming pack. Controls fixture on emergency circuit	<b>ELRSD<sup>9</sup></b> Emergency battery pack with self-diagnostics, remote test switch
<b>EZB</b> eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	<b>NLTAIREM<sup>2,13</sup></b> nLight <sup>®</sup> AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options.	<b>E10WR<sup>9</sup></b> Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch
<b>EDAB<sup>5</sup></b> eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.		<b>N80<sup>11</sup></b> nLight <sup>®</sup> Lumen Compensation
<b>EDXB<sup>5</sup></b> eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Minimum 1000 lumens. Includes termination resistor. Refer to <a href="#">DMXR Manual</a> .		<b>GTD</b> Generator transfer device. Specify 120V or 277V.
<b>ECOD<sup>5</sup></b> Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black		<b>CRI90</b> High CRI (90+)
		<b>CP<sup>12</sup></b> Chicago plenum. Specify 120V or 277V for 5000lm and above.
		<b>RRL</b> RELOC <sup>®</sup> -ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to <a href="#">RRL</a> for complete nomenclature.

**ACCESSORIES — order as separate catalog numbers (shipped separately)**

**ISD BC** 0-10V wallbox dimmer. Refer to [ISD-BC](#).

**ORDERING NOTES**

- Not available with finishes.
- Not available with emergency battery pack options.
- Supplied with factory installed step down transformer.
- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight<sup>®</sup> and XPoint options.
- Must Specify voltage.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not available with WR (white reflector), or FL option.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not available with BR (black reflector), or FL option.
- 11" of plenum depth or top access required for battery pack maintenance.
- For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZER.
- Battery pack not available. 2500 lumen max.
- Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.
- When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.





4"

General Illumination Lensed Wallwash

## SPECIFICATIONS

**Optical Assembly**

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling.

Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Wallwash enables uniformity from floor to ceiling. Smooth, balanced illumination optimized for ceilings of 8' to 12' with recommended spacing of 3' from wall and 3' centers.

**Electrical**

The luminaire shall operate from a 50 or 60 Hz  $\pm 3$  Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper.

**Controls**

Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

**Dimming**

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

**Construction**

Luminaire housing shall be constructed of 20-gauge galvanized steel and have telescopic mounting bars with maximum 26" and minimum 15" extension and 4" vertical adjustment.

Luminaires shall be suitable for installation in ceilings up to 1½" thick.

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the SSL luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceiling, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise).

**Listings**

Fixtures are CSA certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling.

**Buy American Act**

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.

Please refer to <https://www.acuitybrands.com/resources/buy-american> for additional information.

**Photometrics**

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

**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](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

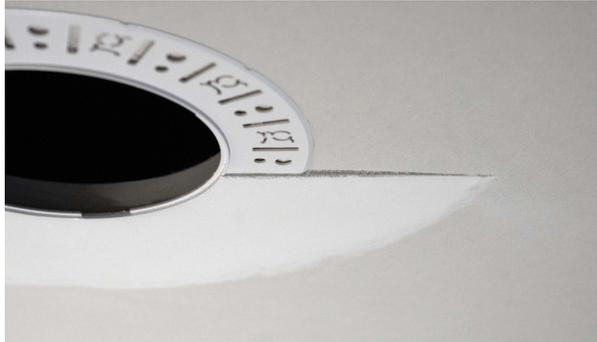
**Note:**

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.

**4"****General Illumination Lensed Wallwash**

Flangeless



Partially finished mud ring, showing cross-section detail.



An EVO downlight requires only approximately 3" of plaster to finish.



EVO with flangeless trim

**Flangeless Installation**

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.



This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).


**4"**
**General Illumination Lensed Wallwash**

Tables of Use

**EVO - eldoLED Driver Default Dimming Curve**

Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Logarithmic	Linear

**CCT/CRI Multiplier Table**

CRI	CCT	Multiplier
80	2700K	0.96
	300K	1.00
	3500K	1.00
	4000K	1.01
	5000K	1.07
90	2700K	0.80
	300K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

**Reflector Finish Multiplier**

Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73

Nomenclature	Driver	Control Provided (note: 347W/UVOLT versions provided with 347 option selected)			
		NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOL0drive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

**How to Estimate Delivered Lumens in Emergency Mode**

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

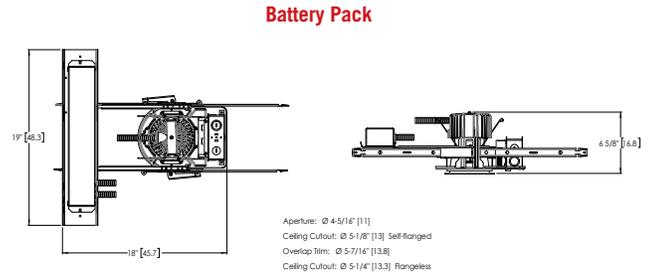
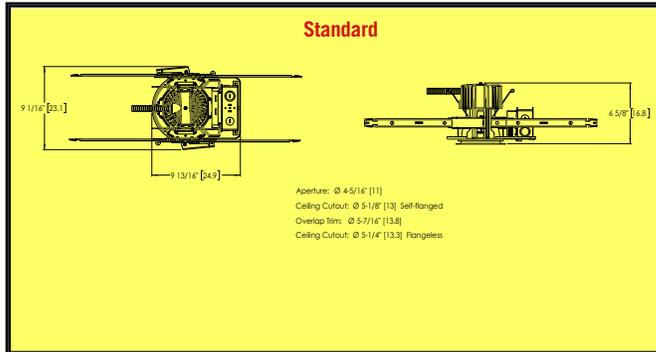
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.



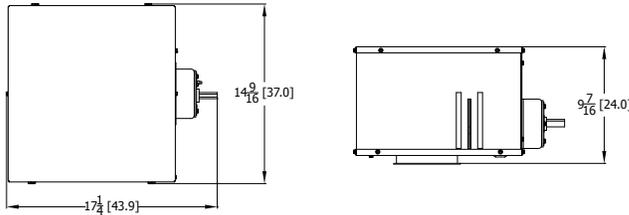
**4"** General Illumination Lensed Wallwash

DIMENSIONAL DATA

Aperture: 4-5/16" (11)      Ceiling Opening: 5-1/8" (13) self-flanged  
Overlap trim: 5-7/16" (13.8)      5-1/4" (13.3) flangeless



**CP**

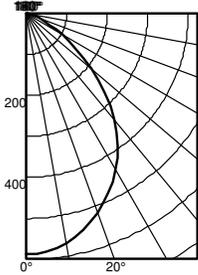




**4"** General Illumination Lensed Wallwash

Photometry

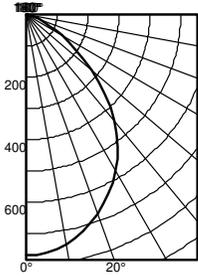
**EVO4LW 35/15 AR LS INPUT WATTS: 14.7, DELIVERED LUMENS: 1116.8, LPW = 75.9, TEST NO. ISF 31593P218**



Ave Lumens	Zone Lumens	% Lamp
0	588	38.5
5	584	60.4
15	546	91.4
25	482	99.7
35	394	1.6
45	274	0.2
55	150	0.3
65	65	0.3
75	21	0.3
85	2	100.0
90	0	

Initial FC		50% beam -		10% beam -	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	19.4	6.2	9.7	12.9	1.9
10.0	10.4	8.5	5.2	17.6	1.0
12.0	6.5	10.7	3.3	22.3	0.7
14.0	4.4	13.0	2.2	27.0	0.4
16.0	3.2	15.3	1.6	31.7	0.3

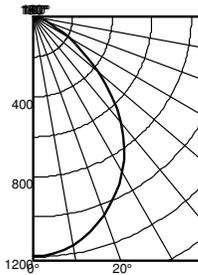
**EVO4LW 35/20 AR LS INPUT WATTS: 19.7, DELIVERED LUMENS: 1462.8, LPW = 74.2, TEST NO. ISF 31593P225**



Ave Lumens	Zone Lumens	% Lamp
0	770	38.5
5	765	60.4
15	715	91.4
25	631	99.7
35	516	2.1
45	359	0.2
55	197	0.3
65	85	0.3
75	28	0.3
85	2	100.0
90	1	

Initial FC		50% beam -		10% beam -	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	25.4	6.2	12.7	12.9	2.5
10.0	13.7	8.5	6.8	17.6	1.4
12.0	8.5	10.7	4.3	22.3	0.9
14.0	5.8	13.0	2.9	27.0	0.6
16.0	4.2	15.3	2.1	31.7	0.4

**EVO4LW 35/30 AR LS INPUT WATTS: 29.5, DELIVERED LUMENS: 2227.4, LPW = 75.5, TEST NO. ISF 31593P59**



Ave Lumens	Zone Lumens	% Lamp
0	1197	38.5
5	1190	60.4
15	1112	91.4
25	981	99.7
35	802	3.2
45	558	0.1
55	306	0.2
65	133	0.3
75	43	0.3
85	3	100.0
90	1	

Initial FC		50% beam -		10% beam -	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	39.6	6.2	19.8	12.9	4.0
10.0	21.3	8.5	10.6	17.6	2.1
12.0	13.3	10.7	6.6	22.3	1.3
14.0	9.0	13.0	4.5	27.0	0.9
16.0	6.6	15.3	3.3	31.7	0.7



**4"**

**General Illumination Lensed Wallwash**

nLIGHT AIR

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

**nLight® AIR Control Accessories**

Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

**nLight® AIR Control Accessories (cont.)**

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

**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.

nLIGHT

nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

**nLight® Wired Control Accessories**

Order as separate catalog number. Visit [nLight](#).

Wall Switches	Model Number
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)

**Photocell Controls**

Dimming	nCM ADCX
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**nLight® Wired Control Accessories (cont.)**

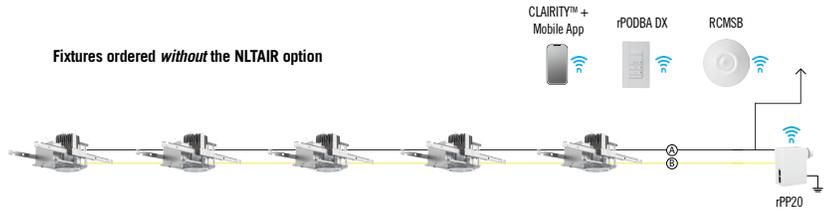
Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

**Cat-5 Cables (plenum rated)**

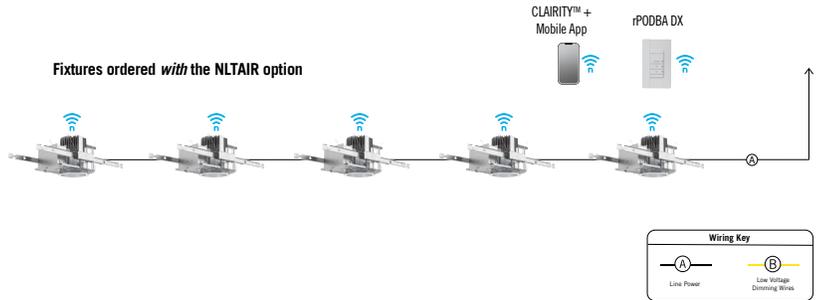
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

**Possibilities for nLight® AIR**

Fixtures ordered *without* the NLTAIR option



Fixtures ordered *with* the NLTAIR option

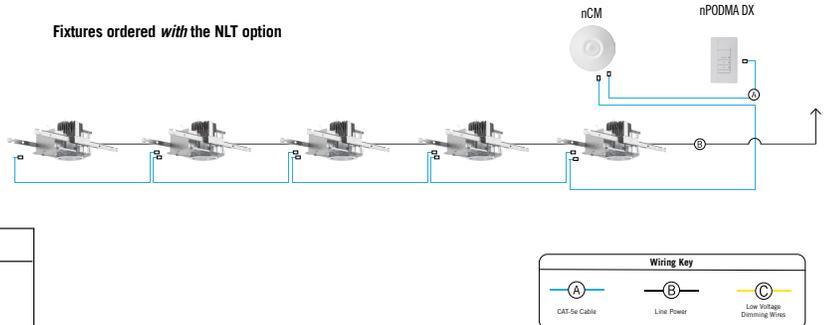


**Possibilities for nLight® wired**

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option





Catalog Number
Notes
Type

Contractor Select™  
**EXRG**  
 Lithonia Lighting Basics™  
 LED Exit

The Lithonia Lighting Basics™ EXRG Exit Sign is suitable for emergency signage applications such as stairways and hallways. This fully assembled single-face exit with extra faceplate is available in red and green letters. It's low profile makes it ideal for safely illuminated the path of egress in small spaces and can be wall or ceiling mounted. The emergency power provides 90 minutes of illumination in the event of a power loss.



**FEATURES:**

- Internal toggle switch for red or green letter color selection
- Test switch and status indicator for low maintenance (EL emergency models only)
- UL indoor damp location 50° to 104°F (10°C to 40°C) listed standard
- For use with Dual voltage 120/277VAC
- Internal switch for color selection



† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

Catalog Number	UPC	Description	Supply Voltage	Input Wattage		Input Amps		Pallet Qty	Carton Qty
				120	277	120	277		
EXRG M6	00194994900658	Red/Green Exit, AC Only	120/277	1W	1W	0.09	0.09	360	6
EXRG EL M6	00194994900696	Red/Green Exit with Ni-MH backup battery	120/277	1W	1W	0.09	0.09	360	6

**Accessories<sup>1</sup>:** Order as separate catalog number.

ELA WG1	Wireguard (back mount only, 13 3/4"H x 15 1/4"W x 6"D)
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**NOTES**

1. See spec sheet [ELA-WG](#) for more information.



## Specifications

### INTENDED USE:

LED lighted exit signs for marking the means of egress in accordance with Life Safety Code NFPA 101. The EXRG has an internal switch that ships standard as a red exit and can be switched in the field to green. It is also packaged standard with an extra faceplate along with red and green inserts.

### CONSTRUCTION:

Injection-molded, flame-retardant, high-impact, thermoplastic housing with snap-fit design components for easy installation. Universal J-box pattern.

Ships with extra faceplate to quickly convert from single to double face exit sign depending on the application. Universal chevrons are easily removed for directional indication.

Letters 6" high with 3/4" stroke, with 100 ft viewing distance rating, based on UL924 standards.

### OPTICS:

The typical life of the exit LED lamp is 5 years, based on 24/7 operation.

### ELECTRICAL:

Dual-voltage input 120V or 277V AC. Non-emergency (AC only without battery) or Emergency exit with battery. The emergency model includes the test switch, status indicator and rechargeable battery.

Battery: (EL models) maintenance-free Nickel metal hydride battery provides 90 minutes of emergency power.

### INSTALLATION:

Top, back or end mounting capability (canopy included).

### LISTINGS:

UL Listed. Meets UL 924, NFPA 101 (current Life Safety Code), NFPA 70-NEC, FCC Title 47, Part 15, Subpart B and OSHA illumination standards. Indoor damp location 50° to 104°F (10°C to 40°C) listed standard.

### WARRANTY:

2-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](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

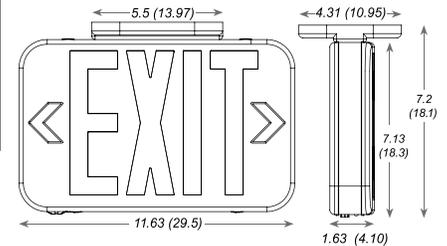
**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

## Dimensions

Length: 11.63 (29.5)  
 Depth: 1.63 (4.1)  
 Height: 7.2 (18.3)  
 Weight: EL: 1.6 LB  
 AC: 1.59 LB



All dimensions are inches (centimeters) unless otherwise indicated.