LITHONIA LIGHTING®

DIGITAL NAVIGATION

Ordering Tree nLight Platform Controls Photometrics Performance Data

Catalog Number	
Notes	
Type	

ENVX Series LED

ENVX™

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

HRG

HRGC

HRGL

FEATURES & SPECIFICATIONS

INTENDED USE — ENVX is a high-performance recessed ambient solution suitable for all application types. Designed to improve quality of light, ENVX provides performance, configurability, delivery, value and style. A typically configured ENVX features a **Unified Glare Rating** (UGR) starting at 17, UGR data available on page 9. Il designs (Hourglass, Hourglass with Center Spine, and Parabolic Louvers). **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — ENVX is engineered to have a **curved luminous surface** to reduce glare while increasing its volumetric class. Its smooth acrylic lens, and direct-lit over optic technology, allow for **no individual LED images to be visible** to the occupants in the space. ENVX seamless transition zones permit for the **uniform illumination across the lens** to be visually comfortable to look into. Built with non-exposed corners and seamless flanges within the T-Grid, ENVX is a single, self-contained fixture with a steel housing and plastic end caps **not requiring onsite assembly** for installation outside of additional accessories. The power supply and circuit board of the luminaire is integral to the unit. ENVX allows for design flexibility by incorporating a center element, if chosen, without compromising its fully luminous aperture.

ENVX has **IP5X rated** sealed optics to prevent dust and bugs from protruding inside of the fixture. All the painted components within the luminaire have **paint particles of 31um or larger, painted to a thickness of no less than 3 mils** for even coverage. Before delivery, ENVX undergoes component verification by means of visual scanning equipment to ensure proper CCT, Lumens, and CRI; in addition to the optical scanning to detect visual defects for the most optimal quality assurance.

ELECTRICAL — ENVX delivers performance superiority with long-life LEDs and unique over optics that when coupled with high-efficiency drivers, provide superior quantity of illumination for extended service life. ENVX offers **80% LED lumen maintenance at 60,000 hours** and color variation within **3-step MacAdam ellipse ranging from 3000K-5000K**.

ENVX offers 8 different lumen packages ranging from 1500 to 7200 lumen with certifications in DLC Standard and/or DLC Premium allowing for rebates and energy savings solutions.

This fixture offers flicker free dimming with capability to dim to either 10%, 1% or .1%.

Driver disconnect provided where required to comply with US and Canadian codes.

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.

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.

INSTALLATION — ENVX **fits into standard 15/16" and narrow 9/16" T-grid ceiling systems**. Suitable for damp location. For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section.

LISTINGS — CSA certified to meet US and Canadian standards. Intended for indoor use only. **Damp location listed. IC rated. IP5X rated. Tested in accordance with ISO 14644-1; suitable for use in 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.

GOVERNMENT PROCUREMENT — BAA – Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual Performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Specifications

Length: 23.75 (60.3), 47.75 (121.4), 47.75 (121.4)
Width: 23.75 (60.3), 23.75 (60.3), 11.75 (29.7)
Depth: 3.625 (9.6), 3.625 (9.6), 3.125 (7.8)

All dimensions are inches (centimeters) unless otherwise specified.

Weights

2X2: 15 lbs
2X4: 22 lbs
1X4: 17 lbs

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

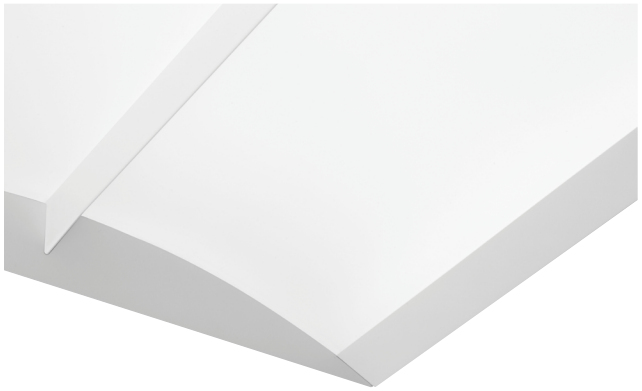
ENVX Spec Ambient

ENVX™ elegantly integrates with every ceiling type to allow structure and style to take the lead. The seamless transition zones from both of the hourglass designs, combined with low lumen density, create the high quality of light only ENVX™ can provide.

HRG: Hourglass Design

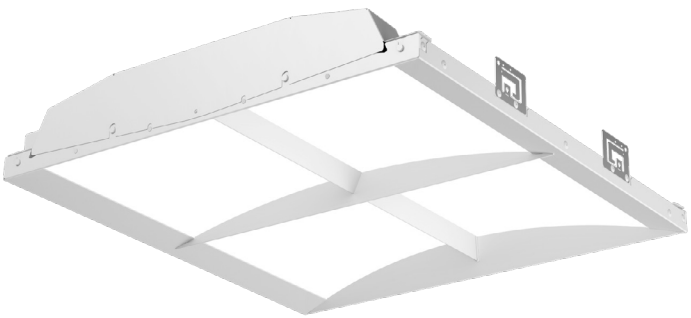
- Clean appearance in the ceiling plane provides design flexibility.
- Low lumen density delivers visually comfortable experience.
- Seamless transition zones & uniform illumination enables universal application.

HRGC: Hourglass with Center Spine Design

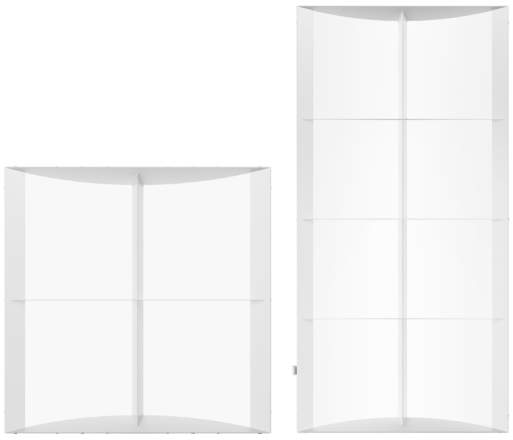


- Center Spine design allows for further design optimization on a fully luminous surface.
- Spine's geometrically perfected angle preserves uniformity across the fixture surface.
- Unified transition zones on spine and side bezels grant ease of transition between lighter and darker areas.

HRGL: Hourglass With Blade Louver Design



- Parabolic louver design allows for further design optimization on a fully luminous surface.
- Four-cell (2x2) and Eight-cell (2x4) perfected angles preserves uniformity across the fixture.
- Unified transition zones on center and cross vanes grant ease of transition between lighter and darker areas.



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ENVX Spec Ambient

Design Select options indicated by this color background.

ORDERING INFORMATION

Example: ENVX 2X2 HRG 3300LM 80CRI 40K MIN1 EZT MVOLT

Series		Fixture Dimension		Fixture Style		Lumens Output		CRI		Color Temperature		Minimum Dimming Level	
ENVX	Spec Ambient LED Troffer	1x4	1'x4'	HRG	Hourglass	1500LM	Nominal 1500 lumens	80CRI	80 CRI	30K	3000K	DARK	Constant current, dimming to <1% ‡
				HRGC	Hourglass with Center Spine	2000LM	Nominal 2000 lumens	90CRI	90 CRI	35K	3500K	MIN1	Constant current, dimming to 1%
				HRGL	Hourglass With Blade Louver ‡	3000LM	Nominal 3000 lumens			40K	4000K	MIN10	Constant current, dimming to 10%
						4000LM	Nominal 4000 lumens			50K	5000K		
						4800LM	Nominal 4800 lumens						
						6000LM	Nominal 6000 lumens						
						7200LM	Nominal 7200 lumens						
		2x2	2'x2'			2000LM	Nominal 2000 lumens						
						3300LM	Nominal 3300 lumens						
						4000LM	Nominal 4000 lumens						
						4800LM	Nominal 4800 lumens						
		2x4	2'x4'			3000LM	Nominal 3000 lumens						
						4000LM	Nominal 4000 lumens						
						4800LM	Nominal 4800 lumens						
						6000LM	Nominal 6000 lumens						
						7200LM	Nominal 7200 lumens						

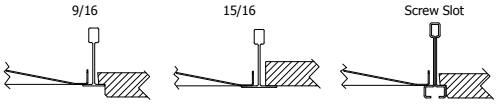
Dimming		Voltage		Step Level Dimming		Emergency Option	
EZT	eldoLED 0-10V Dimming ‡	MVOLT	MVOLT, 120-277V	(blank)	no step level dimming	E7W	Emergency Battery Pack, 7W, CA Title 20 Noncompliant ‡
ZT	Generic 0-10V ‡	120	120V	SLD	Step-level dimming ‡	E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡
ECO	Lutron Ecosystem interface ‡	277	277V			E15WLCP	EM Self-Diagnostic battery pack, 15W Constant Power, Certified in CA Title 20 MAEDBS ‡
DALI	DALI ‡	347	347V ‡			GTD	Generator Transfer Device ‡

Controls Input		Sensor	
(blank)	No Control Input	(blank)	No Sensor or Control Input function only, if selected
SSE	Sensor Switch Embedded	APIR	Occ sensing with passive infared - on/off functionality and auto dimming photocell
		APDT	Occ sensor dual tech (passive infared & michrophonics) 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
		VPIR15ADC	Vertex low-profile on/off occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height
NLIGHT	nLight enabled	(blank)	No sensor, Control Input function only
NLIGHTER	nLight enabled, for use with generator supply EM power	PIR	Occ sensing with passive infared - on/off functionality
NLIGHTLM	nLight enabled with lumen management	PDT	Occ sensor dual tech (passive infared & michrophonics)
NLIGHTERLM	nLight enabled with lumen management, for use with generator supply EM power	APIR	Occ sensing with passive infared - on/off functionality and auto dimming photocell
		APDT	Occ sensor dual tech (passive infared & michrophonics) and auto dimming photocell
		VPIR8	Vertex low-profile on/off occupancy PIR occupancy sensor at 8ft mounting height
NLTAIR2	nLight AIR Generation 2 (wireless) enabled	(blank)	No sensor, Control Input function only
NLTAIREM2	nLight AIR Generation 2 (wireless) enabled and UL924 Emergency Operation, via power interupt detection ‡	APIR	Occ sensing with passive infared - on/off functionality and auto dimming photocell
		APDT	Occ sensor dual tech (passive infared & michrophonics) and auto dimming photocell
		VPIR8	Vertex low-profile on/off occupancy PIR occupancy sensor at 8ft mounting height

Standby Mode		Options			
NOC	NOC Occupancy sensor disabled ‡	GLR	Fast-blowing fuse ‡	CP	Chicago plenum approved ‡
		GMF	Slow-blowing fuse ‡	RRLA	RELOC®-Ready Luminaire (RRL) connectors. Driver wired to pin position #1 (120V, 277V, 347V - Phase A)
		PWS1836	6' pre-wire, 18 gauge, 3/8" dia., 3 wire - 1 circuit	RRLAB	RELOC®-Ready Luminaire (RRL) connectors. Driver wired to pin position #2 (120V, 277V, 347V - Phase A)
		PWS1846	6' pre-wire, 18 gauge, 3/8" dia., 4 wire - 2 circuit	RRLAE	RELOC®-Ready Luminaire (RRL) connectors. Driver wired to pin position #1 (120V, 277V, 347V - Phase A). Emergency driver wired to pin postion #2 (120V, 277V, 347V - Phase B)
		PWS1846 PWSLV	Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡	DWAM	Anti-microbial paint
		PWS1856LV	6' pre-wire, 18 gauge, 3/8" dia., 5 wire - 1 circuit w/ low voltage wires ‡	LATC	T-bar clips
				BAA	Buy America(n) Act Compliant

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

Option Value Ordering Restrictions ‡	
Option Value	**Restriction**
DARK	Not available with SSE or Networked Controls
EZT	Not available with MIN10
ZT	Not available with DARK
ECO	Not available with MIN10 or with networked or wired controls
DALI	Not available with: MIN10 or MIN1 or with an networked or wired controls
347	Not available with: E7W, E10WLCP, E15WLCP, SLD, GTD, GLR, GMF, ECO
SLD	Not available with 7200LM. Not available with any controls. Must select MIN10. Leave Dimming section blank
E7W	Not available with 347V
E10WLCP	Not available with 347V
E15WLCP	Not available with: 2X2 or 347V
EMG	Not available with: 1500LM, 2000LM. Leave Dimming section blank. Must select a Networked Control
GTD	Must select 120 OR 277, Not available with 347V or MVOLT
NETWORKED CONTROLS	when selecting NLIGHT(EM, ER, LM, ERLM) or NLTAIR(2, EM2) the dimming section is left blank, not available with DARK, MIN10, or SLD. Solutions with integrated sensors will have a temporary extended Leadtime.
STAND ALONE CONTROLS	SSE Options: SSE (all options) Not available with DARK or MIN10, not available with Network Controls or SLD. Solutions with integrated sensor will have a temporary extended lead time.
NLTAIREM2	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.
NOC	Must select a Wireless Network Control
GLR	Must select 120 or 277
GMF	Must select 120 or 277
PWS1846 PWSLV, PWS1856LV	Not available with nLight wired network or individual controls
PS1055LCP	Field installable only on the 1X4 and 2X4 version of the ENVX
BAA	Not available with ECO, DALI, SLD, VPIR8, VPIR8ADC, VPIR15, or VPIR15ADC
CP	Not available with NLIGHT wired network or individual controls, PWS1836, PWS1846, PWS1846 PWSLV or PWS1856LV
HRGL	Not available with 1x4



*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

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 secondsl.
- Using the CL**AIR**ITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

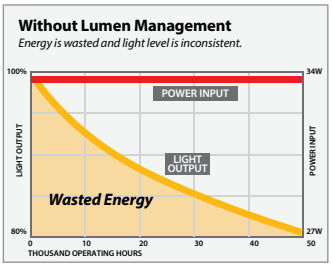
Accessories

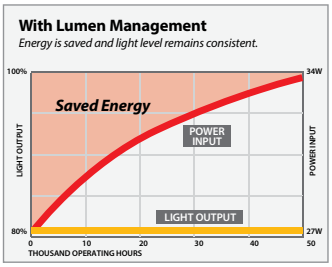
Accessories: *Order as separate catalog number.*

DGA14	Drywall grid adapter for 1x4 recessed fixture.
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.
ENVX TGRID CLIP J4	Pack of 4 grid clips for 9/16" T grid compatibility.
ENVX TGRID CLIP J50	Pack of 50 grid clips for 9/16" T grid compatibility.
PS1055LCP M5	Field installable, not available with 347V. See restriction note above. ‡
1X4SMKSHP PAF	Multi-Use Surface Mount Kit 1X4 Post-Paint
2X2SMKSHP PAF	Multi-Use Surface Mount Kit 2x2 Post-Paint
2x4SMKSHP PAF	Multi-Use Surface Mount Kit 2x4 Post-Paint

Constant Lumen Management

Enabled by the embedded nLight control, the ENVX actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.





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Intelligent Luminaire Technology Guide

Choose nomenclature from these columns

Control/Sensor Configurations

Control Input		Sensor		Sensor	Notes
SSE	+	APIR	=	MSD 7 ADCX	Individual fixture control only. PIR integral occupancy sensor with automatic dimming control photocell.
SSE	+	APDT	=	MSD PDT 7 ADCX	Individual fixture control only. PDT integral occupancy sensor with automatic dimming control photocell.
SSE	+	VPIR8	=	VERTEX 8F EZ OCC VLP	Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 8ft mounting height.
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.
SSE	+	VPIR15	=	VERTEX 15F EZ OCC VLP	Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 15ft mounting height.
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.
NLIGHT	+	(blank)	=	nIO EZDXA	nLight enabled only. No onboard sensor.
NLIGHT	+	PIR	=	nIO EZDCL + nES 7	nLight enabled with PIR integral occupancy sensor.
NLIGHT	+	PDT	=	nIO EZDCL + nES PDT 7	nLight enabled with dual technology occupancy control sensor.
NLIGHT	+	APIR	=	nIO EZDCL + nES 7 ADCX	nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHT	+	APDT	=	nIO EZDCL + nES PDT 7 ADCX	nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.
NLIGHT	+	VPIR8	=	NIO EZDXA + VERTEX 8F EZ OCC VLP	nLight enabled with Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 8ft mounting height.
NLIGHTER	+	(blank)	=	nIO EZDCL ER	Emergency nLight enabled only. No onboard sensor.
NLIGHTER	+	PIR	=	nIO EZDCL ER PH + nES 7	Emergency nLight enabled with PIR integral occupancy sensor.
NLIGHTER	+	PDT	=	nIO EZDCL ER PH + nES PDT 7	Emergency nLight enabled with dual technology occupancy control sensor.
NLIGHTER	+	APIR	=	nIO EZDCL ER + nES 7 ADCX	Emergency nLight enabled with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHTER	+	APDT	=	nIO EZDCL ER + nES PDT 7 ADCX	Emergency nLight enabled with dual technology occupancy controls sensor with automatic dimming photocell.
NLIGHTLM	+	(blank)	=	nIO EZDCL N80	nLight enabled only with 80% constant lumen management. No onboard sensor.
NLIGHTLM	+	PIR	=	nIO EZDCL N80 + nES 7	nLight enabled with 80% constant lumen management with PIR integral occupancy sensor.
NLIGHTLM	+	PDT	=	nIO EZDCL N80 + nES PDT 7	nLight enabled with 80% constant lumen management with dual technology occupancy control sensor.
NLIGHTLM	+	APIR	=	nIO EZDCL N80 + nES 7 ADCX	nLight enabled with 80% constant lumen management with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHTLM	+	APDT	=	nIO EZDCL N80 + nES PDT 7 ADCX	nLight enabled with 80% constant lumen management with dual technology occupancy controls sensor with automatic dimming photocell.
NLIGHTERLM	+	(blank)	=	nIO EZDCL ER N80	Emergency nLight enabled only with 80% constant lumen management. No onboard sensor.
NLIGHTERLM	+	PIR	=	nIO EZDCL ER N80 + nES 7	Emergency nLight enabled with 80% constant lumen management with PIR integral occupancy sensor.
NLIGHTERLM	+	PDT	=	nIO EZDCL ER N80 + nES PDT 7	Emergency nLight enabled with 80% constant lumen management with dual technology occupancy control sensor.
NLIGHTERLM	+	APIR	=	nIO EZDCL ER N80 + nES 7 ADCX	Emergency nLight enabled with 80% constant lumen management with PIR integral occupancy sensor with automatic dimming photocell.
NLIGHTERLM	+	APDT	=	nIO EZDCL ER N80 + nES PDT 7 ADCX	Emergency nLight enabled with 80% constant lumen management with dual technology occupancy controls sensor with automatic dimming photocell.
NLTAIR2	+	(blank)	=	RIO EZDL 180D G2	nLight AIR Generation 2 enabled.
NLTAIREM2	+	(blank)	=	RIO EZDL EM 180D G2	nLight AIR Generation 2 enabled
NLTAIR2	+	APIR	=	RES7 G2	nLight AIR Generation 2 enabled.
NLTAIR2	+	APDT	=	RES7 PDT 90D G2	nLight AIR Generation 2 enabled.
NLTAIR2	+	APIREM	=	RES7 EM 90D G2	nLight AIR Generation 2 enabled.
NLTAIR2	+	APDTEM	=	RES7 PDT EM 90D G2	nLight AIR Generation 2 enabled.
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 with VLP programming at 8ft mounting height.

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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	
ILB CP10 HE AELR A	10W	90	1200	Title 20; Enabled with Self Testing, Automated Reporting (STAR)
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

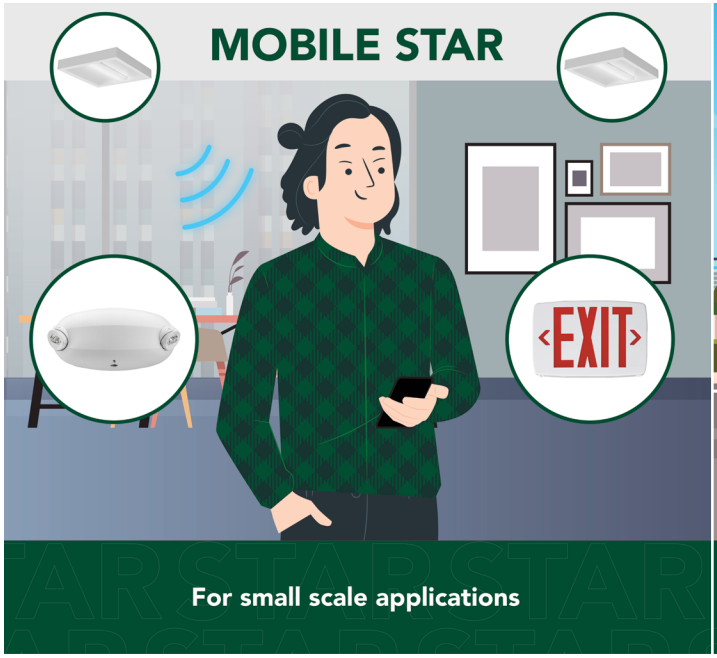
All the above are UL 924 Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
Delivered emergency illumination of CP10 models outperforms legacy 1400 lumen fluorescent emergency ballasts.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

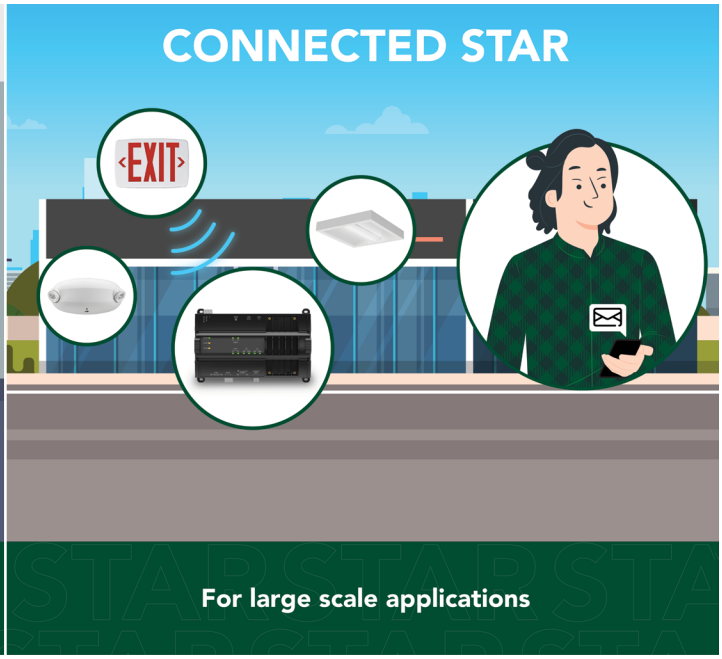
Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting (STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the ClAIRity™+ app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. **Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR!**

Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:

- Testing for 30 seconds every 30 days
- Testing for 90 minutes once a year
- Record keeping and to report to the authority having local jurisdiction





nLight Platform

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

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 fixtures with the wall switch and if desired, customize the sensor settings

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Controls Accessories

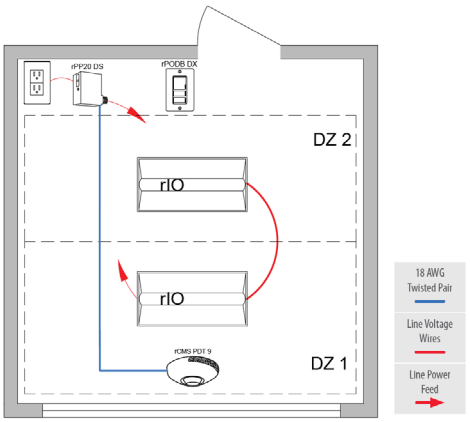
nLight® Wired Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]
Photocell controls	**Model number**	**Cat-5 cable (plenum rated)**	**Model number**
Full range dimming	nCM ADCX RJB	10' cable	CAT5 10FT J1
		30' cable	CAT5 30FT J1

nLight® AIR Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODBA [color] G2
On/Off two pole	rPODBA 2P [color] G2
On/Off & raise/lower single pole	rPODBA DX [color] G2
On/Off & raise/lower two pole	rPODBA 2P DX [color] G2
Occupancy/Daylighting Sensor	**Model number**
Small Motion 360, Ceiling	rCMSB 7 G2

ENVX fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.



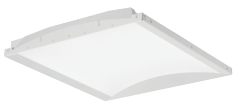
rCMS			Example: RCMSB 7 G2
Series / Detection	**Detection**	**Lens**	**Generation**
RCMSB nLight AIR occupancy and daylight sensor	[blank] PIR Detection	7 Low Mount 360 45 High Mount 360° 45A High Mount Aisleway	G2 Generation 2 compatibility

Sensor Switch WSX

nLight WIRED NPOD UNITOUCH

nLight WIRED nPODMA DX

nLight AIR rPODBA



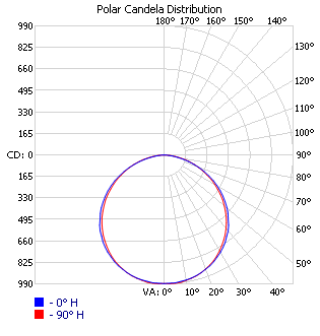
ENVX

rPODBA

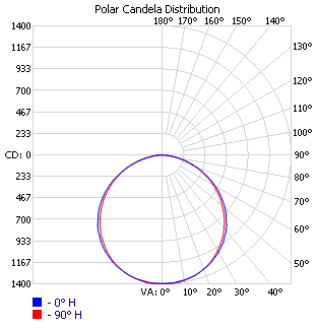
RCMSB

PHOTOMETRICS

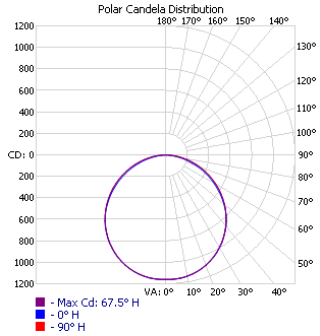
ENVX 1X4 HRG 3000LM 80CRI 35K



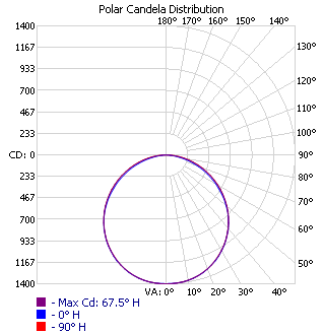
ENVX 1X4 HRG 4000LM 80CRI 35K



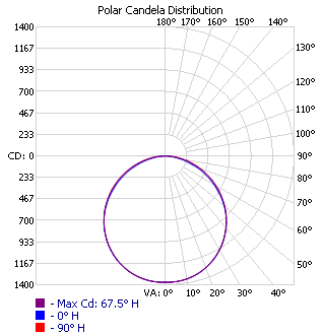
ENVX 2X2 HRG 3300LM 80CRI 35K



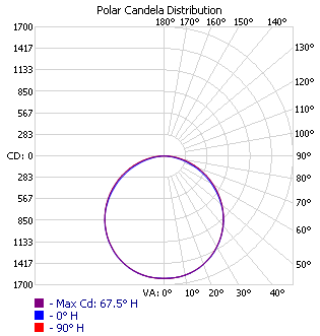
ENVX 2X2 HRG 4000LM 80CRI 35K



ENVX 2X4 HRG 4000LM 80CRI 35K

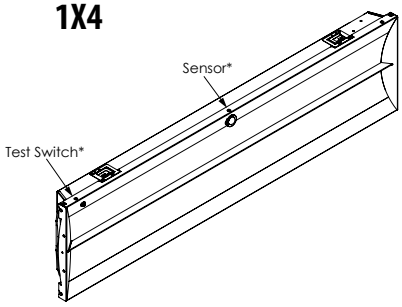


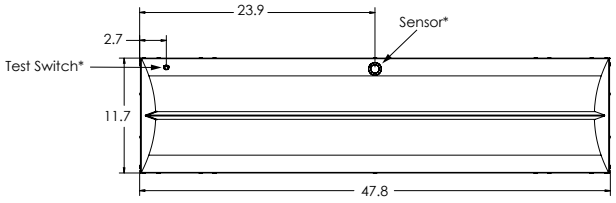
ENVX 2X4 HRG 4800LM 80CRI 35K

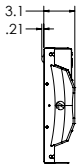


DIMENSIONS

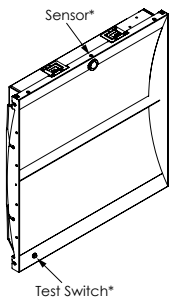
1X4

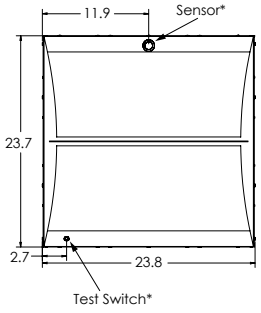


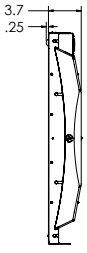




2X2







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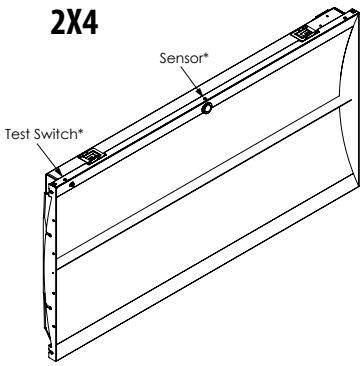
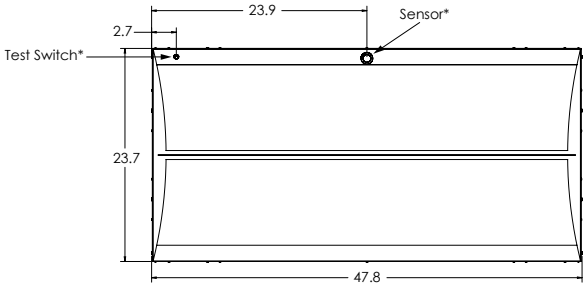
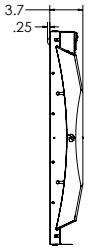
DIMENSIONS

2X4

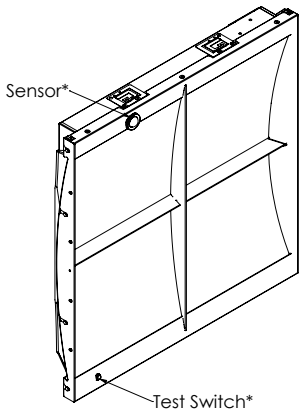


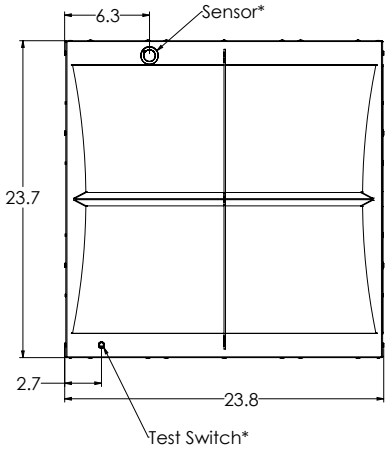




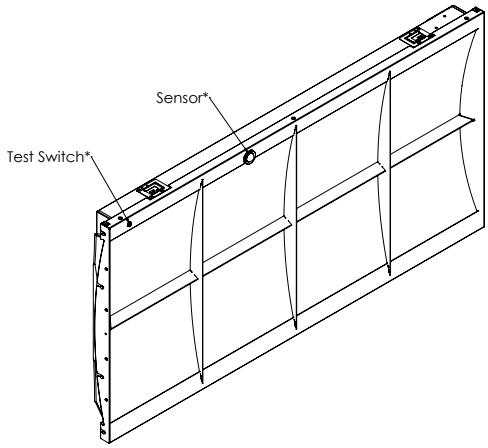
*Location when fixture is ordered with emergency battery or integral sensor

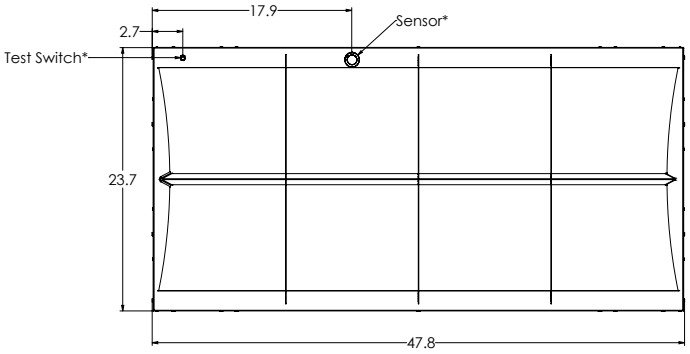
2X2





2X4





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UGR Values of ENVX 2x2 @ **80CRI** and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)							UGR Values of ENVX 2x2 @ **90CRI** and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)						
Lumen Package	HRG		HRGC		HRGL		Lumen Package	HRG		HRGC		HRGL	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise		Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
2000LM	18.3	19	18.2	18.3	18.2	18.2	2000LM	17.8	18.4	17.7	17.8	17.7	17.7
3300LM	20.1	20.8	20.1	20.2	20	20.1	3300LM	19.6	20.3	19.6	19.7	19.5	19.6
4000LM	20.8	21.5	20.7	20.8	20.6	20.7	4000LM	20.3	21	20.2	20.3	20.1	20.2
4800LM	21.4	22.1	21.4	21.5	21.3	21.4	4800LM	20.9	21.6	20.8	21	20.7	20.9

*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 ENVX 2x4 @ **80CRI** and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)							UGR Values of ENVX 2x4 @ **90CRI** and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)						
Lumen Package	HRG		HRGC		HRGL		Lumen Package	HRG		HRGC		HRGL	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise		Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
3000LM	17.2	17.9	17.1	17.2	17.1	17	3000LM	16.7	17.3	16.6	16.7	16.6	16.5
4000LM	18.3	19	18.4	18.6	18.4	18.4	4000LM	17.8	18.4	17.9	18	17.9	17.8
4800LM	18.8	19.5	18.9	19	18.9	18.8	4800LM	18.3	19	18.3	18.5	18.3	18.3
6000LM	19.6	20.3	19.6	19.7	19.6	19.5	6000LM	19.1	19.8	19	19.2	19	19
7200LM	20.1	20.8	20.4	20.5	20.4	20.3	7200LM	19.6	20.3	19.8	20	19.8	19.8

*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.

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 Rev. 04/03/25

Performance Data			
Catalog Number	**Delivered Lumens**	**Input Watts**	**Lumens/Watt**
ENVX 1X4 HRG 1500LM 80CRI 35K	1516	12	125
ENVX 1X4 HRG 1500LM 90CRI 35K	1308	12	107
ENVX 1X4 HRG 2000LM 80CRI 35K	2097	17	127
ENVX 1X4 HRG 2000LM 90CRI 35K	1809	17	109
ENVX 1X4 HRG 3000LM 80CRI 35K	2948	24	125
ENVX 1X4 HRG 3000LM 90CRI 35K	2543	24	108
ENVX 1X4 HRG 4000LM 80CRI 35K	4169	33	125
ENVX 1X4 HRG 4000LM 90CRI 35K	3596	33	108
ENVX 1X4 HRG 4800LM 80CRI 35K	5019	41	123
ENVX 1X4 HRG 4800LM 90CRI 35K	4329	41	106
ENVX 1X4 HRG 6000LM 80CRI 35K	5785	51	114
ENVX 1X4 HRG 6000LM 90CRI 35K	4990	51	98
ENVX 1X4 HRGC 1500LM 80CRI 35K	1448	12	119
ENVX 1X4 HRGC 1500LM 90CRI 35K	1249	12	103
ENVX 1X4 HRGC 2000LM 80CRI 35K	1937	18	109
ENVX 1X4 HRGC 2000LM 90CRI 35K	1671	18	94
ENVX 1X4 HRGC 3000LM 80CRI 35K	2878	24	122
ENVX 1X4 HRGC 3000LM 90CRI 35K	2483	24	105
ENVX 1X4 HRGC 4000LM 80CRI 35K	3891	33	116
ENVX 1X4 HRGC 4000LM 90CRI 35K	3357	33	100
ENVX 1X4 HRGC 4800LM 80CRI 35K	4626	41	113
ENVX 1X4 HRGC 4800LM 90CRI 35K	3991	41	98
ENVX 1X4 HRGC 6000LM 80CRI 35K	6085	53	114
ENVX 1X4 HRGC 6000LM 90CRI 35K	5250	53	98
ENVX 1X4 HRG 7200LM 80CRI 35K	7601	65	117
ENVX 1X4 HRG 7200LM 90CRI 35K	6557	65	101
ENVX 1X4 HRGC 7200LM 80CRI 35K	7302	65	113
ENVX 1X4 HRGC 7200LM 90CRI 35K	6299	65	97
ENVX 2X2 HRG 2000LM 80CRI 35K	1994	17	115
ENVX 2X2 HRG 2000LM 90CRI 35K	1720	17	99
ENVX 2X2 HRG 3300LM 80CRI 35K	3411	30	114
ENVX 2X2 HRG 3300LM 90CRI 35K	2943	30	99
ENVX 2X2 HRG 4000LM 80CRI 35K	4112	36	113
ENVX 2X2 HRG 4000LM 90CRI 35K	3547	36	98
ENVX 2X2 HRG 4800LM 80CRI 35K	4943	45	109
ENVX 2X2 HRG 4800LM 90CRI 35K	4264	45	94
ENVX 2X2 HRGC 2000LM 80CRI 35K	1914	17	110
ENVX 2X2 HRGC 2000LM 90CRI 35K	1651	17	95
ENVX 2X2 HRGC 3300LM 80CRI 35K	3319	30	110
ENVX 2X2 HRGC 3300LM 90CRI 35K	2863	30	95
ENVX 2X2 HRGC 4000LM 80CRI 35K	3946	36	109
ENVX 2X2 HRGC 4000LM 90CRI 35K	3404	36	94
ENVX 2X2 HRGC 4800LM 80CRI 35K	4766	45	105
ENVX 2X2 HRGC 4800LM 90CRI 35K	4111	45	91
ENVX 2X4 HRG 3000LM 80CRI 35K	2933	23	126
ENVX 2X4 HRG 3000LM 90CRI 35K	2530	23	108
ENVX 2X4 HRG 4000LM 80CRI 35K	4036	33	122
ENVX 2X4 HRG 4000LM 90CRI 35K	3481	33	105
ENVX 2X4 HRG 4800LM 80CRI 35K	4748	40	117
ENVX 2X4 HRG 4800LM 90CRI 35K	4096	40	101
ENVX 2X4 HRG 6000LM 80CRI 35K	5908	50	117
ENVX 2X4 HRG 6000LM 90CRI 35K	5097	50	101
ENVX 2X4 HRG 7200LM 80CRI 35K	6831	58	118
ENVX 2X4 HRG 7200LM 90CRI 35K	5893	58	102
ENVX 2X4 HRGC 3000LM 80CRI 35K	2834	23	121
ENVX 2X4 HRGC 3000LM 90CRI 35K	2445	23	104
ENVX 2X4 HRGC 4000LM 80CRI 35K	4168	36	117
ENVX 2X4 HRGC 4000LM 90CRI 35K	3596	36	101
ENVX 2X4 HRGC 4800LM 80CRI 35K	4693	41	116
ENVX 2X4 HRGC 4800LM 90CRI 35K	4049	41	100
ENVX 2X4 HRGC 6000LM 80CRI 35K	5739	51	113
ENVX 2X4 HRGC 6000LM 90CRI 35K	4951	51	98
ENVX 2X4 HRGC 7200LM 80CRI 35K	7223	64	112
ENVX 2X4 HRGC 7200LM 90CRI 35K	6231	64	97
ENVX 2X2 HRGL 2000LM 80CRI 30K	1853	17	107

Performance Data			
Catalog Number	**Delivered Lumens**	**Input Watts**	**Lumens/Watt**
ENVX 2X2 HRGL 2000LM 80CRI 35K	1893	17	109
ENVX 2X2 HRGL 2000LM 80CRI 40K	1947	17	112
ENVX 2X2 HRGL 2000LM 80CRI 50K	1987	17	114
ENVX 2X2 HRGL 2000LM 90CRI 30K	1593	17	92
ENVX 2X2 HRGL 2000LM 90CRI 35K	1633	17	94
ENVX 2X2 HRGL 2000LM 90CRI 40K	1673	17	96
ENVX 2X2 HRGL 2000LM 90CRI 50K	1700	17	98
ENVX 2X2 HRGL 3300LM 80CRI 30K	3214	30	107
ENVX 2X2 HRGL 3300LM 80CRI 35K	3283	30	109
ENVX 2X2 HRGL 3300LM 80CRI 40K	3375	30	112
ENVX 2X2 HRGL 3300LM 80CRI 50K	3445	30	115
ENVX 2X2 HRGL 3300LM 90CRI 30K	2763	30	92
ENVX 2X2 HRGL 3300LM 90CRI 35K	2832	30	94
ENVX 2X2 HRGL 3300LM 90CRI 40K	2902	30	97
ENVX 2X2 HRGL 3300LM 90CRI 50K	2948	30	98
ENVX 2X2 HRGL 4000LM 80CRI 30K	3821	36	105
ENVX 2X2 HRGL 4000LM 80CRI 35K	3950	36	109
ENVX 2X2 HRGL 4000LM 80CRI 40K	4061	36	112
ENVX 2X2 HRGL 4000LM 80CRI 50K	4145	36	114
ENVX 2X2 HRGL 4000LM 90CRI 30K	3324	36	91
ENVX 2X2 HRGL 4000LM 90CRI 35K	3407	36	94
ENVX 2X2 HRGL 4000LM 90CRI 40K	3491	36	96
ENVX 2X2 HRGL 4000LM 90CRI 50K	3547	36	98
ENVX 2X2 HRGL 4800LM 80CRI 30K	4669	45	103
ENVX 2X2 HRGL 4800LM 80CRI 35K	4770	45	106
ENVX 2X2 HRGL 4800LM 80CRI 40K	4905	45	108
ENVX 2X2 HRGL 4800LM 80CRI 50K	5005	45	111
ENVX 2X2 HRGL 4800LM 90CRI 30K	4014	45	89
ENVX 2X2 HRGL 4800LM 90CRI 35K	4115	45	91
ENVX 2X2 HRGL 4800LM 90CRI 40K	4216	45	93
ENVX 2X2 HRGL 4800LM 90CRI 50K	4283	45	95
ENVX 2X4 HRGL 3000LM 80CRI 30K	2714	21	129
ENVX 2X4 HRGL 3000LM 80CRI 30K	2714	21	129
ENVX 2X4 HRGL 3000LM 80CRI 35K	2772	21	132
ENVX 2X4 HRGL 3000LM 80CRI 35K	2772	21	132
ENVX 2X4 HRGL 3000LM 80CRI 40K	2850	21	136
ENVX 2X4 HRGL 3000LM 80CRI 50K	2909	21	139
ENVX 2X4 HRGL 3000LM 90CRI 30K	2333	21	111
ENVX 2X4 HRGL 3000LM 90CRI 35K	2392	21	114
ENVX 2X4 HRGL 3000LM 90CRI 40K	2450	21	117
ENVX 2X4 HRGL 3000LM 90CRI 50K	2489	21	119
ENVX 2X4 HRGL 4000LM 80CRI 30K	3991	31	129
ENVX 2X4 HRGL 4000LM 80CRI 35K	4077	31	132
ENVX 2X4 HRGL 4000LM 80CRI 40K	4192	31	135
ENVX 2X4 HRGL 4000LM 80CRI 50K	4278	31	138
ENVX 2X4 HRGL 4000LM 90CRI 30K	3431	31	111
ENVX 2X4 HRGL 4000LM 90CRI 35K	3517	31	113
ENVX 2X4 HRGL 4000LM 90CRI 40K	3603	31	116
ENVX 2X4 HRGL 4000LM 90CRI 50K	3661	31	118
ENVX 2X4 HRGL 4800LM 80CRI 30K	4493	38	118
ENVX 2X4 HRGL 4800LM 80CRI 35K	4590	38	121
ENVX 2X4 HRGL 4800LM 80CRI 40K	4720	38	124
ENVX 2X4 HRGL 4800LM 80CRI 50K	4817	38	127
ENVX 2X4 HRGL 4800LM 90CRI 30K	3863	38	102
ENVX 2X4 HRGL 4800LM 90CRI 35K	3960	38	104
ENVX 2X4 HRGL 4800LM 90CRI 40K	4057	38	107
ENVX 2X4 HRGL 4800LM 90CRI 50K	4122	38	108
ENVX 2X4 HRGL 6000LM 80CRI 30K	5495	47	117
ENVX 2X4 HRGL 6000LM 80CRI 35K	5613	47	119
ENVX 2X4 HRGL 6000LM 80CRI 40K	5771	47	123
ENVX 2X4 HRGL 6000LM 80CRI 50K	5890	47	125
ENVX 2X4 HRGL 6000LM 90CRI 30K	4724	47	101
ENVX 2X4 HRGL 6000LM 90CRI 35K	4843	47	103
ENVX 2X4 HRGL 6000LM 90CRI 40K	4961	47	106
ENVX 2X4 HRGL 6000LM 90CRI 50K	5040	47	107

	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 PS1055CP)	**LPW** = Lumen per watt rating of the luminaire.

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