LITHONIA LIGHTING

DIGITAL NAVIGATION

Ordering Tree nLight Platform **Controls Photometrics** Performance Data

FEATURES & SPECIFICATIONS

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

CONSTRUCTION — ENVEX 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. ENVEX 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, ENVEX 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. ENVEX allows for design flexibility by incorporating a center element, if chosen, without compromising its fully luminous aperture.

ENVEX 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, ENVEX 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 — ENVEX 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. ENVEX offers 80% LED lumen maintenance at 60,000 hours and color variation within 3-step MacAdam ellipse ranging from 3000K-5000K.

ENVEX 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.

SENSOR — ENVEX features multiple integral sensor types without compromising the range and aesthetic of the fixture. Integrated sensor (individual control): Sensor Switch MSD7ADCX ((Passive infrared (PIR)) or MSDPDT7ADCX ((PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is has the ability to communicate over the wireless nLight control platform. See page 5 for more details on the Integrated Smart Sensor.

INSTALLATION — ENVEX 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 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 gualifies 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 <u>www.acuitybrands.com/buy-american</u> 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.

Notes

Catalog

Number

Туре

ENVEX Series LED



Depth: 3.625 (9.6), 3.625 (9.6), 3.125 (7.8)

All dimensions are inches (centimeters) unless otherwise specified.

Embed nLight controls today. Prepare for tomorrow.

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

****** Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight[®] control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*
- To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

ENVEXTM 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 ENVEXTM 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.



ORDERING INFORMATION

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

 $\langle \langle \rangle$

A+ Capable options indicated by this color background.

Series		Fixture Dimensio	n	Fixture	Style	Lumens 0	utput	CRI		Color Temperature		Minimu	m Dimming Level
	pec Ambient ED Troffer	1x4 1'x 2x2 2'x 2x4 2'x	(2'	HRG HRGC	Hourglass Hourglass with Center Spine	1500LM 2000LM 3000LM 4000LM 4800LM 7200LM 2000LM 3300LM 4000LM 4800LM 4800LM 6000LM 7200LM	Nominal 1500 lumens Nominal 2000 lumens Nominal 3000 lumens Nominal 4000 lumens Nominal 4800 lumens Nominal 6000 lumens Nominal 2000 lumens Nominal 3000 lumens Nominal 4800 lumens Nominal 4800 lumens Nominal 4800 lumens Nominal 4800 lumens Nominal 4800 lumens Nominal 4800 lumens Nominal 6000 lumens Nominal 7200 lumens	80CRI 90CRI	80 CRI 90 CRI	30K 35K 40K 50K	3000K 3500K 4000K 5000K	DARK MIN1 MIN10	Constant current, dimming to <1% ‡ Constant current, dimming to 1% Constant current, dimming to 10%

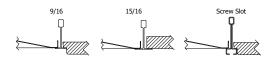
Dimming Voltage		Step Level Dimming		Emergeno	cy Option		
EZT	eldoLED 0-10V Dimming ‡	MVOLT	MVOLT,	(blank)	no step level dimming	E7W	Emergency Battery Pack, 7W, CA Title 20 Noncompliant ‡
ZT	Generic 0-10V ‡		120-277V	SLD	Step-level dimming ‡	E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡
EC0	Lutron Ecosystem interface ŧ	120	120V			E15WLCP	EM Self-Diagnostic battery pack, 15W Constant Power, Certified in CA Title 20 MAEDBS ‡
DALI	DALI ‡	277	277V			EMG	nLight emergency option ‡
		347	347V ‡			GTD	Generator Transfer Device ‡

Networked Controls	\$‡	_		Stand Alone Co	ntrols ‡
Wireless		Wired		Individual con	trol
Wireless NLTAIR2 RIO NLTAIR2 RES7 NLTAIR2 RES7PDT NLTAIR2 RVTX8FOCC	nLight AIR Generation 2 enabled, radio module without sensor ‡ nLight AIR Generation 2 enabled, integral occupancy sensor with automatic dimming photocell for Networking Capabilites ‡ nLight AIR Generation 2 enabled, microphonics dual technology occupancy sensor with automatic dimming photocell ‡ nlight AIR Generation 2 enabled, Vertex low-profile on/off occupancy PIR occupancy sensor ‡	Wired NIO NES7 NESPDT7 NES7ADCX NES7PDT7ADCX CL80 NES7 CL80 NES7 CL80 NESPDT7 CL80 NESPDT7	nLight no constant lument management nLight no constant lumen management, nLight nES7 PIR integral occupancy sensor nLight no constant lumen management, nLight nES7 ADCX PIR integral occupancy sensor with automatic dimming photocell nLight no constant lumen management, nLight nES7 ADCX PIR integral occupancy sensor with automatic dimming photocell nLight no constant lumen management, nLight nES7 PDT 7 dual technology integral occupancy sensor with automatic dimming photocell nLight 80% constant lumen management nLight 80% constant lumen management nLight 80% constant lumen management, nLight nES7 PIR integral occupancy sensor nLight 80% constant lumen management, nLight nES7 PIR integral occupancy sensor 80% constant lumen management, nLight nES7 ADCX PIR	Individual con MSD7ADCX MSDPDT7ADCX VTX8FOCC VTX8FADC VTX15FOCC	trol PIR Integral occupancy sensor with automatic dimming photocell PDT Integral occupancy sensor with automatic dimming photocell Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 8ft mounting height Vertex low-profile on/off PIR occupancy sensor with auto dimming photocell with VLP programming at 8ft mounting height Vertex low-profile on/off occupancy PIR occupancy sensor with VLP programming at 15ft mounting height Vertex low-profile on/off PIR
		CL80 NES7PDT7ADCX	integral occupancy sensor with automatic dimming photocell nLight 80% constant lumen management, nLight nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell	VINDIADC	occupancy sensor with auto dimming photocell with VLP programming at 15ft mounting height
		NVTX8FOCC	nLight enabled, Vertex low-profile on/off occupancy PIR occupancy sensor		

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

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 networked or Stand Alone 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	Not available with DARK or MIN10. Leave Dimming section blank. Not available with STAND ALONE CONTROLS or SLD. Solutions with Integrated sensor will have a temporary extended lead time. Consult Factory.
STAND ALONE CONTROLS	Not available with DARK or MIN10. Leave Dimming section blank. Not available with NETWORK CONTROLS or SLD. Solutions with Integrated sensor will have a temporary extended lead time. Consult Factory.
NLTAIR2 RES7, RES7PDT, RIO	See UL924 Sequence of Operation chart on page 4. Can be used as a normal power sensing device for nLight AIR devices and 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, DALL, SLD, RVTX8F0CC, NVTX8F0CC, VTX8FADC, VTX15F0CC or VTX15FADC
СР	Not available with NLIGHT wired network or individual controls, PWS1836, PWS1846, PWS1846 PWSLV or PWS1856LV



*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 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.

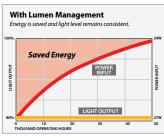
Accessories

Accessories: Order as se	eparate 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. \ddagger
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.





ENVX

Emergency Battery Pack Options - Field Installable

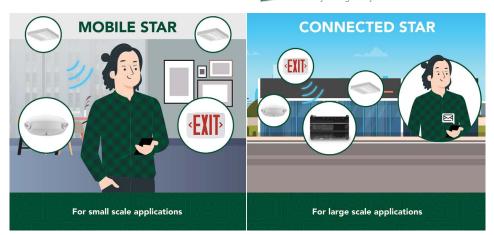
Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter/ 2-hour Runtime
ILB CP10 A	10W	90	1200	
ILB CP10 HE AELR A	10W	90	1200	Title 20; Enabled with Self Testing, Automated Reporting (STAR)
ILBLP CP10 HE SD A	10W	90	1200	Title 20, Self 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

Life Safety Code NFPA 101 testing and reporting Emergency Lighting with Self-Testing Automated Reporting $(\ensuremath{\mathsf{STAR}})$, enables self-testing and automated reporting to aid requirements for emergency lighting include: in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data Testing for 30 seconds every 30 days **1** is logged in each individual unit and broadcast to the CIAIRity™+ app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. Testing for 90 minutes once a year **6** Leave the ladders, disruptions and written records Record keeping and to report to the behind with emergency lighting solutions with STAR! 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

nLight Air Wireless



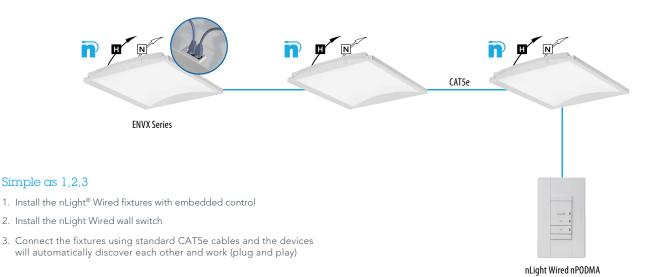
Simple as 1,2,3

- 1. Install the nLight® AIR fixtures with embedded smart sensor
- 2. Install the wireless battery-powered wall switch
- 3. With the CLAIRITY+ Pro app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome





nLight Wired Networking



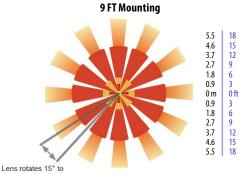
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ENVX

	Sensor Options								
0	Automatic	Occupanc	y Sensing	nLight Wired	nLight AIR				
Option	Dimming Photocell	PIR	PDT	Networking	Networking				
MSD7ADCX	Х	Х							
MSDPDT7ADCX	Х		Х						
NES7		Х		Х					
NES7ADCX	Х	Х		Х					
NESPDT7			Х	Х					
NESPDT7ADCX	Х		Х	Х					
RES7	Х	Х			Х				
RESPDT7	Х	Х	Х		Х				

Sensor Coverage Pattern Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and
- 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor



enable adjustment

Integrated Sensor with Individual Control

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms.

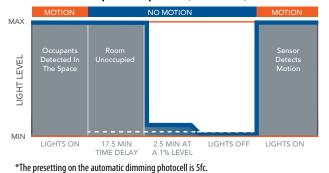
nLight AIR Wireless

nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

nLight Wired Networking

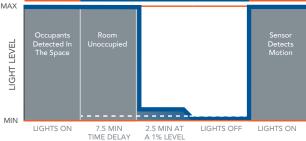
The nES 7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the nES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPDT7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.



Sequence of Operation (MSD7 Sensor)

Sequence of Operation (nES7 and rES7 and Sensor)



*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).

Controls Accessories

nLight[®] Wired Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight. nLight[®] AIR Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/ controls/nlightair. WallPod stations Model number **Occupancy sensors** Model number Wall switches Model number 0n/0ff nPODMA [Color] Small motion 360°, ceiling (PIR / dual tech) nCM 9 RJB / nCM PDT 9 RJB On/Off single pole rPODBA [color] G2 On/Off & raise/lower nPODMA DX [Color] Large motion 360°, ceiling (PIR / dual tech) nCM10 RJB / nCM PDT 10 RJB On/Off two pole rPODBA 2P [color] G2 Graphic touchscreen nPOD TOUCH [Color] Wall switch with raise/lower nWSX PDT LV DX [color] On/Off & raise/lower single pole rPODBA DX [color] G2 Cat-5 cable (plenum rated) Photocell controls Model number Model number On/Off & raise/lower two pole rPODBA 2P DX [color] G2 nCM ADCX RJB CAT5 10FT J1 Full range dimming 10' cable Occupancy/Daylighting Sensor Model number 30' cable CAT5 30FT J1 Small Motion 360, Ceiling rCMSB 7 G2 ENVEX fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy



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			

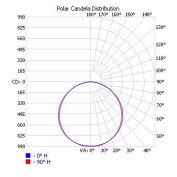


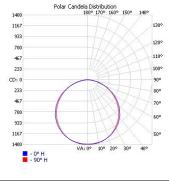
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PHOTOMETRICS

ENVX 1X4 HRG 3000LM 80CRI 35K

ENVX 1X4 HRG 4000LM 80CRI 35K







VA: 09 10° 20° 130°

1200

1100

100°

90°

80°

70°

609

50'

305

1200

1000

200

600

400

200

CD: 0

200

400

600

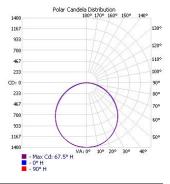
800

1000

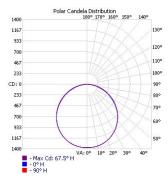
1200

Max Cd: 67.5° H
- 0° H
- 90° H

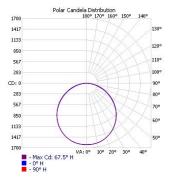
ENVX 2X2 HRG 4000LM 80CRI 35K



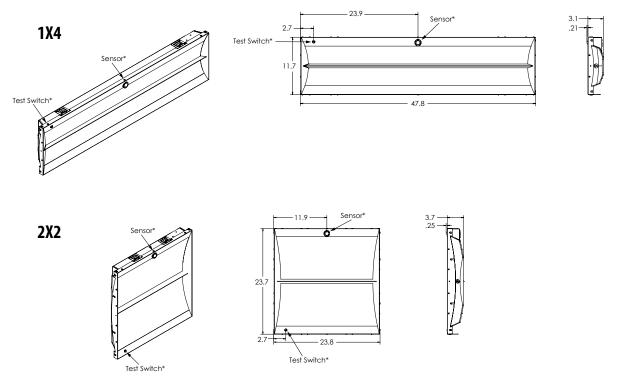
ENVX 2X4 HRG 4000LM 80CRI 35K



ENVX 2X4 HRG 4800LM 80CRI 35K

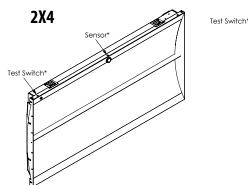


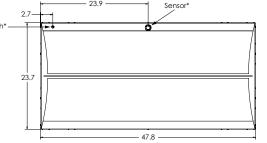
DIMENSIONS



(LITHONIA LIGHTING

DIMENSIONS





23 0



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

UGR Values of ENVX 1x4 @ 80CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)					UGR Values of ENVX 1x4 @ 90CRI and 3500K (70% 50% 20% reflectance using a 4H x 8H room size)					
Lumen	HF	RG	HRGC		Lumen	HF	RG	HR	HRGC	
Package	Crosswise	Endwise	Crosswise	Endwise	Package	Crosswise	Endwise	Crosswise	Endwise	
1500LM	17.7	17.7	17.5	16.8	1500LM	17.2	17.1	17	16.3	
2000LM	18.8	18.8	18.5	17.8	2000LM	18.3	18.3	18	17.3	
3000LM	20	20	19.9	19.2	3000LM	19.5	19.4	19.4	18.7	
4000LM	21.2	21.2	20.9	20.2	4000LM	20.7	20.7	20.4	19.7	
4800LM	21.8	21.8	21.5	20.8	4800LM	21.3	21.3	21	20.3	
6000LM	22.3	22.3	22.5	21.8	6000LM	21.8	21.8	22	21.3	
7200LM	23.3	23.3	23.1	22.4	7200LM	22.8	22.7	22.6	21.9	

*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 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 HRG		RG	HRGC		Lumen	HRG		HRGC	
Package	Crosswise	Endwise	Crosswise	Endwise	Package	Crosswise	Endwise	Crosswise	Endwise
2000LM	18.3	19	18.2	18.3	2000LM	17.8	18.4	17.7	17.8
3300LM	20.1	20.8	20.1	20.2	3300LM	19.6	20.3	19.6	19.7
4000LM	20.8	21.5	20.7	20.8	4000LM	20.3	21	20.2	20.3
4800LM	21.4	22.1	21.4	21.5	4800LM	20.9	21.6	20.8	21

*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	HRG		HRGC		Lumen	HRG		HRGC	
Package	Crosswise	Endwise	Crosswise	Endwise	Package	Crosswise	Endwise	Crosswise	Endwise
3000LM	17.2	17.9	17.1	17.2	3000LM	16.7	17.3	16.6	16.7
4000LM	18.3	19	18.4	18.6	4000LM	17.8	18.4	17.9	18
4800LM	18.8	19.5	18.9	19	4800LM	18.3	19	18.3	18.5
6000LM	19.6	20.3	19.6	19.7	6000LM	19.1	19.8	19	19.2
7200LM	20.1	20.8	20.4	20.5	7200LM	19.6	20.3	19.8	20

*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.

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			

Performance Data						
Catalog Number	Delivered Lumens	Input Watts	Lumens/ Watt			
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			

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)

 $\label{eq:LPW} \textbf{LPW} = \textbf{Lumen per watt rating of the luminaire}.$