



Entera™

Patient Room Recessed Lighting



Project:

Type:

Qty:

SPECIFICATIONS

Interior

ENTERA

SPECIFICATIONS

The Entera 2x4 and 2x2 is a LED alternative for recessed patient room lighting with integrated controls. The fixture will interface with the existing bed controls as well as with the more advanced nLight system from Sensor Switch. With up to 105 input watts in the exam mode, the fixture replaces a comparable fluorescent fixture (with 200 watts in exam mode) for the patient room. In the ambient mode, the patient has the option to control the output through 4 pre-set light levels in increasing intensity.

Housing

Cold rolled steel recessed housing with extruded aluminum frame.

Lens

1/8" opal acrylic center and side lens panels. When SL option is used, additional 1/8" clear acrylic with gasket to seal between sanitary door frame and lens provided.

Finish

Painted in durable polyester powder coat paint with option of antimicrobial* additive. *Antimicrobial properties are built in to inhibit the growth of bacteria that may affect this product. The antimicrobial properties do not protect users or others against bacteria, viruses, germs, or other pathogens.

Mounting

Lay-in grid (G) mount for 9/16" lay-in grid ceiling system. Sheetrock mount flanged (F) mounting with supplied Lithonia DGA drywall kit adapter. Reference installation instructions for more information.

Source

Four static white color temperature options: 2700K, 3000K, 3500K, or 4000K i 80CRI standard. All LED within a 2.5 step MacAdam ellipse.

LED Life

LED rated for 50,000 hours L80 at 25°C ambient temperature.

LED Driver

eldoLED® driver provides smooth, continuous, flicker free dimming to 1%. THD < 20%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI. Acuity luminaires incorporating eldoLED LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) outlined in IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Driver will be set for Logarithmic dimming curve.

Voltage

120 through 277 VAC in 50 to 60Hz

Controls and System Networking Options

Optional integrated nLight® controls make each fixture addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors, and photocontrols. Connection to nLight is accomplished through standard Cat-5 cabling. (cabling "by others")

Digital Low Voltage Control

Integrated low voltage digital (LVD) nLO MLO 5-step controller for pillow switch (by others) or wall switch control (by others) of ambient light output in step sequence of: 20%, 50%, 80%, 100%, OFF. Pillow Switch option (LV3) enables patient bedside adjustment of ambient light in 20%, 50%, 80%, 100%, OFF Sequence.

Fixture Weight

Weight may vary depending upon options or accessories selected.
2x2: 35 lbs (26.3kg)
2x4: 43 lbs (xx.x kg)

Environment

Suitable for dry or damp location use.

Certification

CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750) and CAN/CSA C22.2 No. 250.0
Certified for NSF Splash Zone 2.

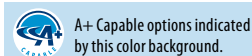
Government Procurement

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/resources/buy-american for additional information.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.



CATALOG NUMBER

Example: HPT624 G 120 PAI LED30 FC100 LVD

Series	Mounting	Voltage ¹	Exam Insert Options	LED Type	Exam Level	Ambient Control
HPT622 2ft x 2ft HPT6	G Grid	120 120 Volt	PAI Perforated Acrylic Insert (Recommended for Patient Room)	LED27 2700K LED (extended lead time)	NX No Exam Mode	LVD Low Voltage Digital Controller
HPT624 2ft x 4ft HPT6	F ³ Flange	277 277 Volt	WAV Acrylic wave Pattern insert	LED30 3000K LED	FC70 Low Exam Mode	LV3 LVD with J-box, Receptacle and Pillow Switch with Cord
			(Blank) No Pattern insert	LED35 3500K LED (standard)	FC100 High Exam Mode	SX No Switch
				LED40 4000K LED		

Circuits	Other Options	Finish
1C 1 Switchleg	NLIGHT nLight nLO	MW Matte White (standard)
2CNE ⁴ 2 Switchlegs (Separate Neutrals; one for Primary and one for Emergency Circuit)	ZT 0-10V Dimming	MWAM Anti-Microbial
	SL ² Sanitary Lens with Door	

Notes

- 347V not available (i.e. no LED Drivers).
- Sealed design only available with Sanitary Lens option.
- Flange option ships standard with Lithonia DGA adapter.
- Requires FC70 or FC100.

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PERFORMANCE DATA

Lumen Output

Lumen values are from photometric tests from an accredited laboratory. Data is considered to be representative of the configurations shown, within generally accepted industry tolerances. Contact factory for performance data on any configurations not shown here.

For 2ft x 4ft Fixture (CCT=3500) (with Sanitary Door)		
Light Mode	Lumen Output (lm)	Max Candela
Ambient Only	4,400 Lumens	1650 Cd
Exam Mode	7,100 Lumens	2650 Cd

For 2ft x 2ft Fixture (CCT=3500K) (without Sanitary Door)		
Light Mode	Lumen Output (lm)	Max Candela
Ambient Only	2,600 Lumens	950 Cd
Exam Mode	4,700 Lumens	1650 Cd

Note: Sanitary Door results in 10% to 15% lumen loss.
PAI option results in 7-10% lumen loss.

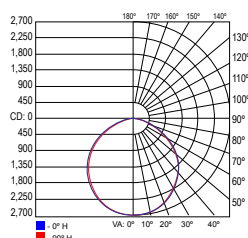
Electrical Load

For One (1) 2ft x 4ft Fixture	
Light Mode	Input Watts
Ambient Only	60 Watts
Exam Mode	105 Watts

For One (1) 2ft x 2ft Fixture	
Light Mode	Input Watts
Ambient Only	35 Watts
Exam Mode	75 Watts

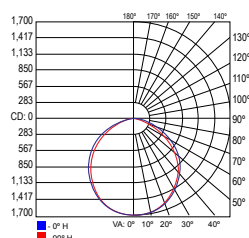
PHOTOMETRICS

Test Report: LTL25839
IES LM 79-08
HPT624 G 120 PAI LED35 FC100
with Sanitary Door
Lumens: 7101.5
Wattage: 103.5W
Efficacy: 68.6 lm/W
Max. Candela: 2682.0 @ H: 67.5°; V: 2.5°



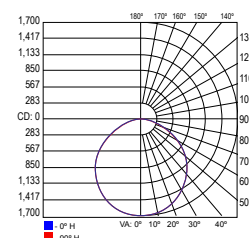
Illuminance at a Distance	
Height	Center Beam Footcandle
2.0	670.0fc
4.0	167.5fc
6.0	74.4fc
8.0	41.9fc
10.0	26.8fc

Test Report: LTL25841
IES LM 79-08
HPT624 G 120 PAI LED35 FC100
with Sanitary Door
Lumens: 4434.2
Wattage: 60.5W
Efficacy: 73.3 lm/W
Max. Candela: 1693.0 @ H: 0°; V: 0°



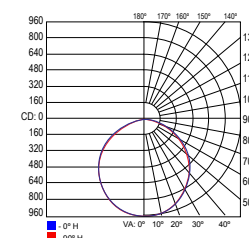
Illuminance at a Distance	
Height	Center Beam Footcandle
2.0	423.3fc
4.0	105.8fc
6.0	47.0fc
8.0	26.5fc
10.0	16.9fc

Test Report: LTL25836
IES LM 79-08
HPT622 G 120 PAI LED35 FC100
without Sanitary Door
Lumens: 4732.5
Wattage: 75.2W
Efficacy: 62.9 lm/W
Max. Candela: 1691 @ H: 90°; V: 2.5°



Illuminance at a Distance	
Height	Center Beam Footcandle
2.0	422.0fc
4.0	105.5fc
6.0	46.9fc
8.0	26.4fc
10.0	16.9fc

Test Report: LTL25837
IES LM 79-08
HPT622 G 120 PAI LED35 FC100
without Sanitary Door
Lumens: 2658
Wattage: 33.9W
Efficacy: 78.4 lm/W
Max. Candela: 958.0 @ H: 0°; V: 2.5°



Illuminance at a Distance	
Height	Center Beam Footcandle
2.0	238.8fc
4.0	59.7fc
6.0	26.5fc
8.0	14.9fc
10.0	9.6fc

Photometric data based on test results from an independent NIST traceable testing lab. IES data is available at www.healthcare-lighting.com. Always refer to our website for the latest IES file updates.

A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

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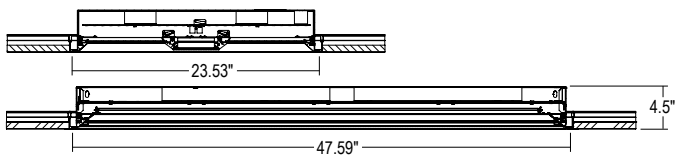
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DIMENSIONS

2x2



2x4



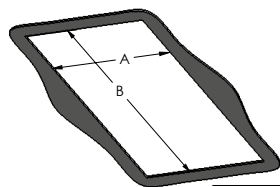
	Nominal	Actual
Length	2' x 2'	23.53" x 23.59"
	2' x 4'	23.53" x 47.59"

Note: Sanitary Lens Door adds 0.5" to depth.
Length and Width dimensions are same for both grid and flange mount.

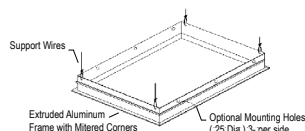
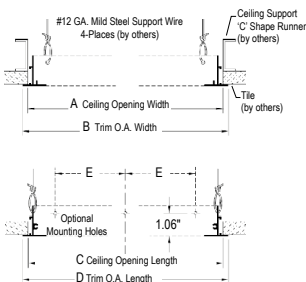
MOUNTING

Notes (see Installation Instructions for more details):

1. Use support tie wires or 0.375" rod to secure housing to ceiling infrastructure (by others).
2. For sheet rock installation, we recommend Lithonia DGA Frame (to be purchased separately).
3. DGA Frame dimensions shown in table below.



	Ceiling Cutout	
Fixture Size	A	B
2x2	24 7/8"	24 7/8"
2x4	24 7/8"	48 7/8"

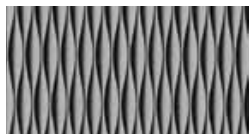


Nomenclature	Fixture Size Nominal	Width		Length		
		A	B	C	D	E
DGA12	1 x 2	12-7/8"	13-3/8"	24-7/8"	25-3/8"	9"
DGA14	1 x 4	12-7/8"	13-3/8"	48-7/8"	49-3/8"	21"
DGA22	2 x 2	24-7/8"	25-3/8"	24-7/8"	25-3/8"	9"
DGA24	2 x 4	24-7/8"	25-3/8"	48-7/8"	49-3/8"	21"
DGA44	4 x 4	48-7/8"	49-3/8"	48-7/8"	49-3/8"	21"
DGA64	6 x 4	6-7/8"	7-3/8"	48-7/8"	49-3/8"	21"
DGA204	20 x 4	20-7/8"	21-3/8"	48-7/8"	49-3/8"	21"
DGA13	1 x 3	12-7/8"	13-3/8"	36-7/8"	37-3/8"	15"

CENTER LENS INSERT

WAV

Wave pattern acrylic insert



PAI

Perforated acrylic insert pattern



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DIMENSIONS

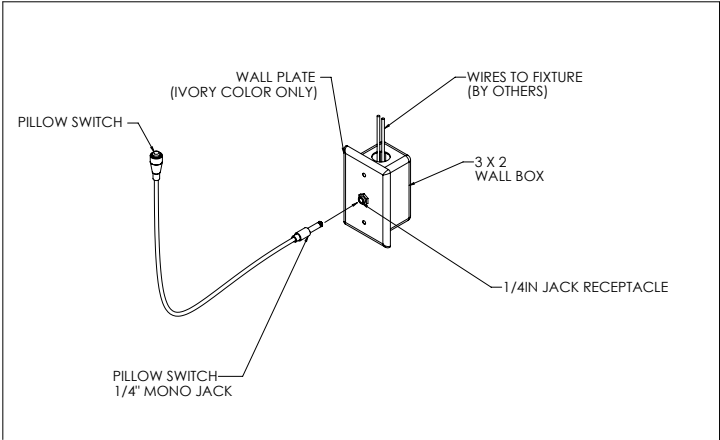
LV3 OPTION

*NLIGHT control option required

*LV3 pillow switch will not control secondary color, reading, or night light options.

LV3 option includes LVD (internal to fixture), junction box, wall plate, receptacle, and pillow switch with cord and jack.

Pillow Switch affects ambient light as follows:	First Toggle	Ambient ON - 20%
	Second Toggle	Ambient ON - 50%
	Third Toggle	Ambient ON - 80%
	Fourth Toggle	Ambient ON - 100%
	Fifth Toggle	Ambient OFF



CIRCUITS / WIRING

