



Trilume PCX

Patient Room Recessed Lighting
Side or Center Basket Ambient



Project:

Type:

Qty:

SPECIFICATIONS

Interior Patient Room

HPT8

SPECIFICATIONS

The Trilume PCX product provides facility managers with a clean center basket look allowing the ambient light mode to be specified for side or center illumination. It is an efficient fixture option for patient room illumination application. The Trilume PCX provides smooth and uniform lighting with 0-10V dimming or enhanced capabilities of digital control technology with nLight. Standard fixture includes 1/8" thick sanitary lens to help seal the fixture within room.

Housing

20 gauge cold rolled steel recessed housing with extruded aluminum frame.

Door Frame Lens

1/8" clear acrylic with gasket to seal between sanitary door frame and lens.

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

Three LED lumen packages provided for (4) static white color temperature options: 3000K, 3500K, 4000K, or 5000K in either 80CRI or 90CRI standard. All LED within a 2.5 step MacAdam ellipse.

LED Life

LED rated for 65,000 hours L80 at 25°C ambient temperature.

LED Driver

eldoLED® driver provides smooth, continuous, flicker free dimming to dark <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.

Fixture Weight

Weight may vary depending upon options or accessories selected.

2x2: 58 lbs (26.3kg)

2x4: 93 lbs (42.2 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. 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.

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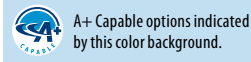
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ORDERING NOTES

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CATALOG NUMBER

Example: HPT824 F 120 CAHI NFI LED40 CRI80 NFI SX ZT MIN1 SL MWAM

Series	Mounting	Voltage	Output	Center Lens Insert	Led Color	Color Rendering
HPT822 2x2 fixture HPT824 2x4 fixture	F ¹ Flange G Grid	120 120V 277 277V	CALOW Center basket ambient, low output CAMED Center basket ambient, medium output CAHI Center basket ambient, high output SALOW Side lights ambient, low output SAMED Side lights ambient, medium output SAHI Side lights ambient, high output	NFI No insert PAI Perforated acrylic insert WAV Wave pattern acrylic insert	LED30 3000K LED35 3500K LED40 4000K LED50 5000K	CRI80 80+ CRI CRI90 90+ CRI
Patient Controls	Controls	Minimum Dimming Level	Emergency	Door Options	Finish	
SX No patient control LVD ² Low voltage digital controller, 4 position sequential switching	ZT 0-10V control NIOAM ³ nLight enabled ambient mode NIOEX ⁴ nLight enabled exam mode NIOAE ⁵ nLight enabled ambient and exam mode	MIN1 Minimum dimming level 1% DARK ⁶ Minimum dimming level <1%	E10W Integral Emergency Battery for Operation of 90 minutes. Emergency Battery Pack, 10W, Linear Constant Power Certified CA Title 20	SL Door with sanitary lens (standard)	MW Matte white MWAM Matte white antimicrobial	

Notes

1. Flange construction ships standard with Lithonia DGA adapter.
2. When LVD is selected, factory provides only wire leads exiting the fixture for ambient.
3. When ordered nLight enabled in ambient mode, nIO comes programmed to channel 1. Exam to provide ZT 0-10V dimming leads.
4. When ordered nLight enabled in exam mode, nIO comes programmed to channel 2. Ambient to provide ZT 0-10V dimming leads.
5. When ordered nLight enabled in ambient and exam mode, nIOs are daisy-chained within the fixture. Ambient mode will be programmed to channel 1 and exam mode programmed to channel 2.
6. HPT822 fixture w/ DARK minimum dimming level only available with ZT 0-10V control option.

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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. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

			2 x 4								2 x 2							
	Nomenclature	Setting	Lumen Output in Ambient Mode	Input Watts	LPW	Footcandles from 6 feet Above Bed (Ambient Mode)	Lumen Output in Exam Mode (Ambient plus Exam)	Input Watts	LPW	Footcandles from 6 feet Above Bed (Exam Mode)	Lumen Output in Ambient Mode	Input Watts	LPW	Footcandles from 6 feet Above Bed (Ambient Mode)	Lumen Output in Exam Mode (Ambient plus Exam)	Input Watts	LPW	Footcandles from 6 feet Above Bed (Exam Mode)
Center Ambient	CALOW	Low	3671	37.8	97	38 FC	10255	124.2	83	92 FC	1585	16.5	96	16 FC	4390	55.9	79	40 FC
	CAMED	Medium	6859	68.7	100	71 FC	13499	155.1	87	121 FC	2962	27.6	107	31 FC	5779	66.9	86	52 FC
	CAHI	High	8954	91.9	97	93 FC	15631	178.3	88	140 FC	3867	46.7	83	40 FC	6691	86.1	78	60 FC
Side Ambient	SALOW	Low	2642	37.6	70	21 FC	11753	123.8	95	116 FC	1141	16.3	70	9 FC	5031	55.8	90	50 FC
	SAMED	Medium	4937	68.8	72	41 FC	14034	155.0	91	139 FC	2132	28.8	74	17 FC	6008	68.3	88	60 FC
	SAHI	High	6445	92.1	70	53 FC	15533	178.3	87	154 FC	2783	38.2	73	23 FC	6649	77.6	86	66 FC

*Nominal values, typical at 3000K, 80 CRI

Lumen Multiplier Table for CCT & CRI

Data table baseline is LED30 CRI80 photometry. This table can be used to approximate the lumen values at different kelvin temperatures and color rendering index.

CCT	CRI	Multiplier
LED30	CRI80	1.00
LED35	CRI80	1.02
LED40	CRI80	1.05
LED50	CRI80	1.06
LED30	CRI90	0.81
LED35	CRI90	0.84
LED40	CRI90	0.86
LED50	CRI90	0.87

Lumen Multiplier Table for Lens Insert

Data table baseline is LED30 CRI80 NFI photometry. This table can be used to approximate the lumen values with different lens inserts.

Center Lens Insert	Multiplier
NFI	1
PAI	0.36
WAV	0.34

CONTROLS

nLight® Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight .			
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD GFX [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

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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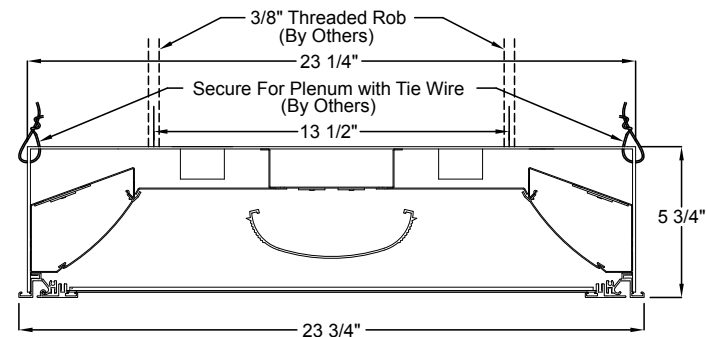
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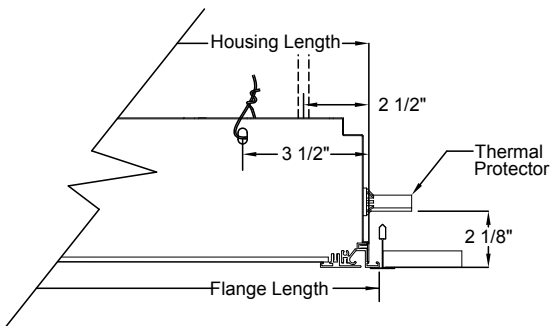
DIMENSIONS



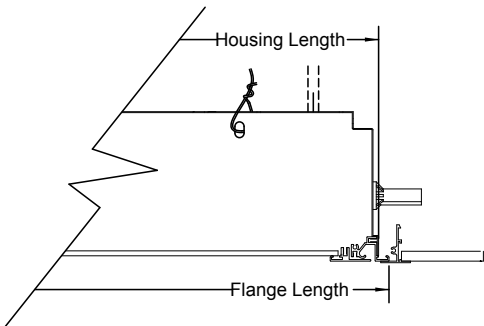
	Nominal	Actual	Flange Length	Housing Length
2x2 Length x Width	2' x 2'	23.75" x 23.75"	23.75"	22.53"
2x4 Length x Width	2' x 4'	23.75" x 47.75"	47.75"	46.53"

(Dimensions are same for both grid and flange mount.)

Grid (G) Mounting Shown w/ 9/16" T Grid



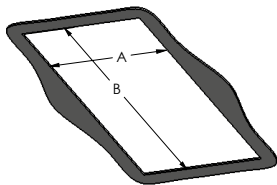
Flange (F) Mounting Shown w/ DGA Kit



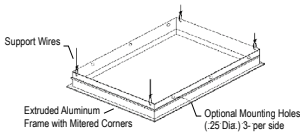
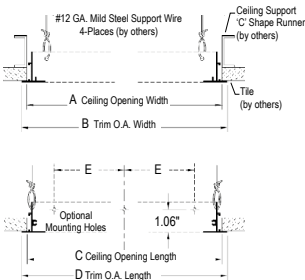
MOUNTING

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, fixture ships with Lithonia DGA Frame.
3. DGA Frame dimensions shown in table below.



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

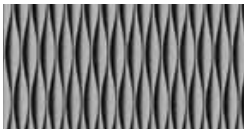


Nomenclature	Fixture Size Nominal	Width		Length		
		A	B	C	D	E
DGA22	2 x 2	24-7/8"	25-3/8"	24-7/8"	25-3/8"	9"
DGA24	2 x 4	24-7/8"	25-3/8"	48-7/8"	49-3/8"	21"

CENTER LENS INSERT

WAV

Wave pattern acrylic insert



PAI

Perforated acrylic insert pattern

