



ComfortView LED

Patient Room



Project:

Type:

Qty:

SPECIFICATIONS

Patient Room

HCV2

SPECIFICATIONS

General lighting in radiology, oncology, and specialized treatment areas should create a calming atmosphere to ease patient tensions as much as possible. Ceiling fixtures with interesting graphics such as colorful landscape scenes can provide a pleasant distraction while patients are prone or recumbent for long periods of time. We offer a library of impressive images to choose from; visit the image guide on our website. Choose a single fixture to provide a backlit focal point, or spread the image across an arrangement of fixtures to create a panoramic view.

Housing

.050" Aluminum Housing and Door
Polyester powder coat finish; anti-microbial powder coat finish available.

Lens

.175" thick acrylic lens with images.

Source

Low output linear LED boards with Nichia LED 757 chipsets.

LED Driver

Acuity Accudrive (standard)
Thomas Research (optional)

Switching

Line voltage switching (by others).

Weight

HCV222 – approximate shipping weight 18 lbs
HCV224 – approximate shipping weight 31 lbs

Voltage

Multi-Volt (120-277V)

Light Output (As Tested)

2x4 - 654 Lumens
2x2 - 327 Lumens

Input Watts (As Tested)

2x4 Accudrive - 79.82 Watts
2x2 - 39.91 Watts

Dimming

0-10V Dimming to 1%

Color Quality

>80 CRI

Life Estimate

>50,000 hours according to component LM80 testing.

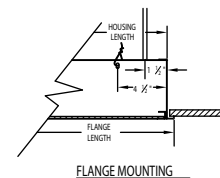
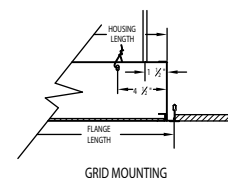
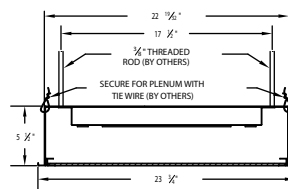
Government Procurement

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/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.



Fixture	Housing Length	Flange Length
HCV222	22 1/2"	23 3/4"
HCV224	46 1/2"	47 3/4"

CATALOG NUMBER

Example: HCV224 G MVOLT SP0 LED35 H1 TA7834 GWAM

Series	Mounting	Voltage	Fixture Spacing	Lamping Type	Configurations	Image Number	Finish
HCV222 2 ft x 2 ft fixture	G Grid	MVOLT 120-277V	SP0 0-inch	LED35 3500K LED	For 2x2 FT	Reference image guide on website (Example: TA9768)	GW Gloss White (Standard)
HCV224 2 ft x 4 ft fixture	F Flange		SP1 1-inch (Standard Grid)		For 2x4 FT		GWAM Anti-Microbial White
			SP15 1.5-inch grid		A1 H1		
			SPN Non-standard		B2 I1		
					C2 J2		
					D4 K2		
					E6 L3		
					F6 M3		
					G9		

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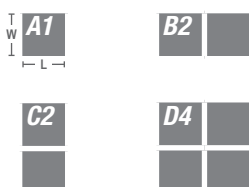
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CEILING PATTERN CONFIGURATIONS

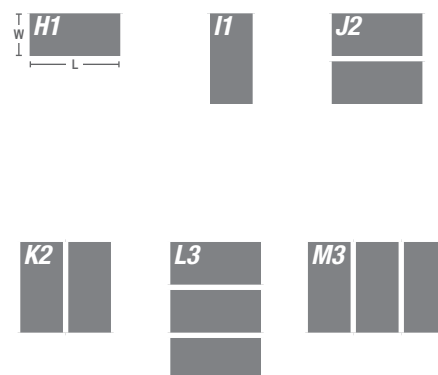
Fixture Configuration	
Configuration	Size (W x L)
A1	2' x 2'
B2	2' x 4'
C2	4' x 2'
D4	4' x 4'
E6	4' x 6'
F6	6' x 4'
G9	6' x 6'

Gallery Chart 2x2



Fixture Configuration	
Configuration	Size (W x L)
H1	2' x 4'
I1	4' x 2'
J2	4' x 4'
K2	4' x 4'
L3	6' x 4'
M3	4' x 6'

Gallery Chart 2x4



PERFORMANCE DATA

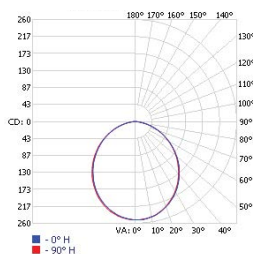
Lumen Output

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.

Configuration	Lumen Output (lm)	Max Candela	Input Watts
HCV224 LED 35	654	252	79.82
HCV222 LED35	327	126	39.91

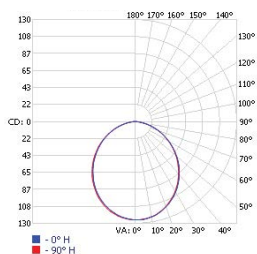
PHOTOMETRICS

Test Report: LTL28477
HCV224 LED 35 Accudrive
Lumens: 654.6
Wattage: 79.82 W
Efficacy: 8.2 Lm/W
Max. Candela: 252.2 @ H: 112.5°; V: 2.5°



Illuminance at a Distance	
Height	Center Beam Footcandle
2.0	62.8 FC
4.0	15.7 FC
6.0	7.0 FC
8.0	3.9 FC
10.0	2.5 FC

Test Report: LTL28477P2
HCV222 LED 35
Lumens: 327.3
Wattage: 39.91 W
Efficacy: 8.2 Lm/W
Max. Candela: 126 @ H: 112.5°; V: 2.5°



Illuminance at a Distance	
Height	Center Beam Footcandle
2.0	31.4 FC
4.0	7.8 FC
6.0	3.5 FC
8.0	2.0 FC
10.0	1.3 FC

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.

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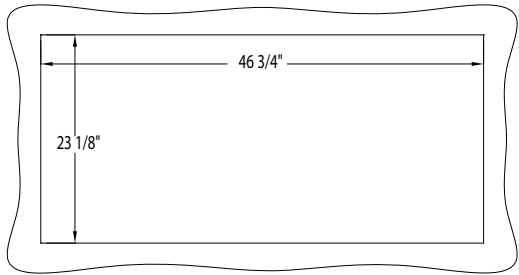
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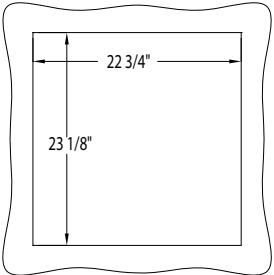
HCV2

MOUNTING INFORMATION

HINGE SIDE



HCV224 FLANGE



HCV222 FLANGE

Notes:

- Grid fixture is designed for 15/16" flat-tee. (consult factory for other types)
- Secure fixture to the plenum (by others) [with tie wires or 3/8" threaded rod].
- Fixture cannot be supported by ceiling system alone (must be secured to plenum).
- Height of fixture can vary based upon options chosen (consult factory for details).
- Consult fixture Installation Instructions for more details.
- It is the responsibility of the person installing the light fixture to ensure that the materials, hardware and building structural members that are selected will support the light fixture(s) and that they meet all applicable building and safety codes.
- Tie wire or threaded rods MUST BE USED to support the weight of the fixtures.