



HSTLED

OR/Surgical Suite



Project:

Type:

Qty:

SPECIFICATIONS

Interior

HSTLED

SPECIFICATIONS

The HSTLED provides an energy efficient alternative to fluorescent surgical troffers. Surgical troffers are designed to supplement the primary procedure lighting in the surgical theater. When grouped to surround the perimeter of the operating table, the symmetric/asymmetric lens distributes light both downward and toward the surgical field, diminishing shadows and reducing eyestrain of the surgical team. A gasketed steel or aluminum door with clean concealed hinge seals plenum contaminates from the surgical suite. Row-mounted flange options available (see installation instructions). Sealed door with clean concealed hinge is superior alternative to conventional piano hinge.

Housing

Welded construction; 16 GA Aluminum Housing and 18 GA CRS Door (16 GA Aluminum optional). Polyester powder coat finish; anti-microbial powder coat finish available. Detachable flanges for flange fixture option.

Door

Hinged door sealed with closed-cell silicone gasket. 1/8" Clear acrylic lens for easier cleaning. Approximately 1/8" KSH12 lens for optical Asymmetric/Symmetric performance.

Source

High output linear LED.

LED Driver

EldoLED EC0Drive. Radio frequency suppressors added to shield component emissions. MIL-STD-461F Compliant.

Switching

Multi switch legs available from single branch circuit. *Circuit options shown on second page.*

Emergency Battery Pack (optional)

(1) 12" board illuminated for 90 minutes. 1350 Initial lumens (13 input watts). *Requires thermal switch per circuit* *EM1 option requires additional top box increasing overall housing height by 1.25"

Weight

2x4 – approximate shipping weight 44 lbs
2x2 – approximate shipping weight 28 lbs

Voltage

120V, 277V.

Light Output

2x4 LED40 17,320 lm All-On
2x2 LED40 7,880 lm All-On

Input Watts

2x4 LED40 186W All-On
2x2 LED40 97W All-On

Dimming (optional)

0-10V Dimming to 1%

Color Quality

>80 CRI for LED 35 and LED40
>90 CRI for LED50

LED Life Estimate

50,000 hours
LED Life projection is based on IES TM-21 and IES LM-80

Listings

CSA certified to meet US and Canadian standards. Certified to MIL-STD-461F.

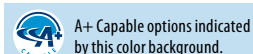
Buy American

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. 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/CustomerResources/Terms_and_Conditions.aspx

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: HSTLED24 G 120 LED40 1C EM1 AM

Series	Mounting	Voltage	LED Color	Wiring Options	Options	Emergency	Finish
HSTLED24 2x4 FT	G Grid	120 120V	LED35 3500K, 80CRI	1C 1 Circuit	PF ² Plaster Frame Kit	EM1 Emergency Drive. Must specify voltage.	GW Gloss White (standard)
HSTLED22 2x2 FT	F Flange	277 277V	LED40 4000K, 80CRI	2C ¹ 2 Circuits	RM ² Row Mount Adapter		AM Anti-Microbial White
		MVOLT 120V-277V	LED50 5000K, 90CRI	1DIM 1 Dimming Circuit *2DIM 2 Dimming Circuit *Cannot be used with NIO option	RMP ² Row Mount Pattern (specify pattern/consult factory) ALD Aluminum Door Painted *NIO nLight nIO *Cannot be used with 2DIM option		

Notes

- HSTLED22 with 2C requires additional top box increasing overall housing height by 1.25"
- PF, RM, and RMP only available with flanged mount

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SWITCHLEG OPTIONS

1C or 1DIM	2C or 2DIM
① ① ① ①	② ① ① ②

PERFORMANCE DATA

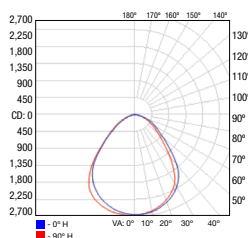
Lumen Output

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.

Fixture	Lumen Output	Max Candela	Input Watts	Fixture	Lumen Output	Max Candela	Input Watts
HSTLED24 LED40 All-On	17,320 lm	8,530 Cd	186 W	HSTLED22 LED40 All-On	7,880 lm	3,980 Cd	97 W
HSTLED24 LED40 Outer Rows On	8,590 lm	4,310 Cd	89 W	HSTLED22 LED40 Outer Rows On	3,920 lm	2,020 Cd	46 W
HSTLED24 LED40 Center Rows On	8,830 lm	4,320 Cd	97 W	HSTLED22 LED40 Center Rows On	4,000 lm	2,020 Cd	53 W

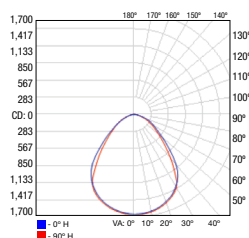
PHOTOMETRICS

Test Report: LTL27661
HSTLED24 LED40 All-On
Lumens: 17,324
Wattage: 186 W
Efficacy: 93 lm/W
Max. Candela: 8,533 @ H: 270°; V: 5°



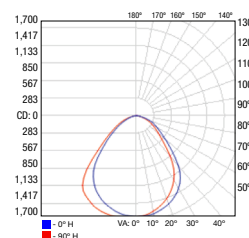
Height	Center Beam Footcandle
2.0	2,120.3fc
4.0	530.1fc
6.0	235.6fc
8.0	132.5fc
10.0	84.8fc

Test Report: LTL27662
HSTLED24 LED40 Outer Rows On
Lumens: 8,598
Wattage: 89 W
Efficacy: 96 lm/W
Max. Candela: 4,318 @ H: 22.5°; V: 2.5°



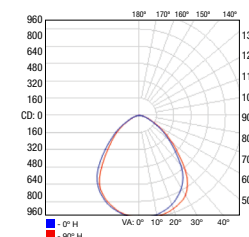
Height	Center Beam Footcandle
2.0	1,070.5fc
4.0	267.6fc
6.0	118.9fc
8.0	66.9fc
10.0	42.8fc

Test Report: LTL27663
HSTLED24 LED40 Center Rows On
Lumens: 8,832
Wattage: 97 W
Efficacy: 91 lm/W
Max. Candela: 4,323 @ H: 270°; V: 10°



Height	Center Beam Footcandle
2.0	1,061.5fc
4.0	265.4fc
6.0	117.9fc
8.0	66.3fc
10.0	42.5fc

Test Report: LTL27696
HSTLED22 LED40 All-On
Lumens: 7,880
Wattage: 97 W
Efficacy: 81.4 lm/W
Max. Candela: 3,988 @ H: 90°; V: 5°



Height	Center Beam Footcandle
2.0	988.5fc
4.0	247.1fc
6.0	109.8fc
8.0	61.8fc
10.0	39.5fc

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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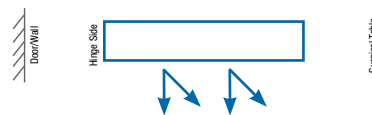
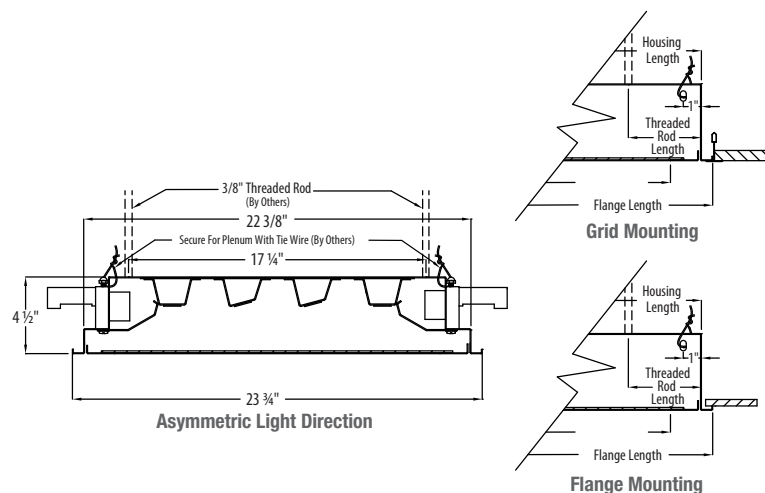
Qty:

SPECIFICATIONS

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DIMENSIONS



Fixture	Housing Length	Flange Length	Threaded Rod Distance from End
HSTLED24	46 1/2"	47 3/4"	4 1/4"
HSTLED22	22 1/2"	23 3/4"	1 3/16"

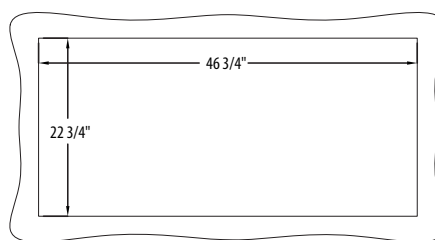
MOUNTING INFORMATION

Sheet Rock Cutout Dimensions

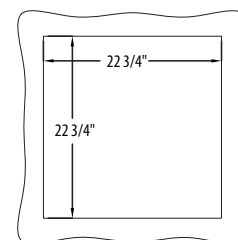
NOTES

- Secure fixture to the plenum (by others) [with tie wires or 3/8" threaded rod]. **Tie wire or threaded rods MUST BE USED to support the weight of the fixtures.**
- 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.
- Fixture designed for hinge side bracket to face away from bed (or surgical table).
- Consult fixture installation instructions for specific row mounting instructions. All fixtures in a row must have hinge bracket side facing away from bed. For RM and RMP options cutout dimensions will change.
- 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.
- When placing fixture in ceiling ensure swing arms are against the housing and not facing out to allow for easier installation. Note all fixtures **MUST** have hinge bracket side facing away from the bed.
- For row mounting the end flanges can be removed and a row mount adapter can be added to create a tight seal between the fixtures. For row mounting, the PF option can **ONLY** be used with the RM or RMP adapter hardware.

Hinge Side (Should be facing away from patient bed)



HSTLED24 FLANGE



HSTLED22 FLANGE

For more mounting information and detailed views please read the installation instructions