

HARRIS LED HIGH BAY STAR LINE, GEN 2

HHSL2

Applications

The HARRIS HHSL2 is an innovative high bay for new construction or retrofit. The low profile design offers energy savings, low maintenance, and control options for low or high bay settings in industrial, commercial, and retail applications. This manufactured product meets the Build America, Buy America (BABA) requirement.

Project Name:	
Catalog Number:	
Type:	
Note:	
Date:	



HHSL2224LUNVFD850LAFGHWSP-BABA



Construction & Design

- This is a manufactured product in the United States that meets the 55% threshold for Build America Buy America (BABA) compliance
- Narrow lightweight 2' and 4' aluminum body allows for optimal thermal management and ease of handling during installation
- Available with four different light distribution types: Acrylic frosted general lens, acrylic frosted narrow lens, acrylic glare reduction lens, and acrylic clear focus lens

Additional Options

- Field installed Battery Back Up available in 10w or 20w (not BABA Compliant)
- Suspended mounting options
- Single or bulk pack available

Electrical

- Available in 120v-277v and 480v
 - Standard 0-10v dimming driver
 - 6kV/3kA surge protection standard
 - Power Factor > .90*
 - Total Harmonic Distortion < 20%*
- *Note: Varies based on option

Lumen Maintenance

See lumen maintenance table on page 2

Fixture Certifications & Listings

- Build America Buy America Compliant
- UL/cUL Listed
- UL Damp Listed
- DesignLights Consortium™ Standard qualified luminaire
- DesignLights Consortium™ Premium qualified luminaire
- Visit the [DLC QPL](#) for listed models

Patent Information

Orion is serious about intellectual property. This product may be covered by one or more patents. Patent information available at <http://www.orionlighting.com/about/patents>

Warranty

See Orion's [Product Limited Warranty](#) for more details and information

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Performance Information, 277v, 5000K, ≥80 CRI¹

Nominal Lumen Code	Wattage	LAFG [DLC Standard]		LAGR [DLC Premium]		LAFN [DLC Standard]		LACF [DLC Premium]		Input Current
		Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	
2'										
09L	49w	8,287lm	168	8,102lm*	164	8,169lm	165	8,194lm*	166	0.18A
12L	68w	11,492lm	169	11,236lm	165	11,329lm	167	11,364lm	167	0.25A
15L	89w	14,290lm	160	13,971lm	156	14,086lm	158	14,130lm	158	0.32A
18L	123w	19,287lm	157	18,857lm	153	19,013lm	154	19,072lm	155	0.44A
24L	136w	22,796lm	167	22,288lm	163	22,472lm	165	22,542lm	165	0.49A
30L	174w	28,359lm	163	28,093lm	161	27,902lm**	160	28,870lm*	160	0.63A
4'										
30L	180w	28,768lm	160	28,126lm	156	28,359lm	158	28,447lm	158	0.65A
36L	207w	33,775lm	163	33,022lm	160	33,295lm	161	33,399lm	161	0.75A
40L	244w	38,458lm	158	37,600lm	154	37,911lm	155	38,029lm	156	0.88A
48L	277w	44,870lm	164	43,869lm	160	44,232lm	161	44,369lm	162	1.00A
60L	383w	62,418lm	166	61,025lm	162	61,530lm	163	61,721lm	164	1.38A

*These products are DLC standard

**These products are DLC premium

Lumen Maintenance with Lens²

Fixture Size	Nominal Lumen Code	Nominal Lumens	Operating Temperature	Calculated Lumen Maintenance		
				L70	L80	L90
2'	09L	9,000	25°C	238,000	149,000	71,000
			55°C	184,000	115,000	55,000
2'	12L	12,000	25°C	238,000	149,000	71,000
			55°C	170,000	107,000	51,000
2'	15L	15,000	25°C	222,000	139,000	66,000
			55°C	156,000	97,000	46,000
2'	18L	18,000	25°C	182,000	114,000	55,000
			55°C	150,000	94,000	45,000
2'	24L	24,000	25°C	224,000	141,000	67,000
			55°C	156,000	98,000	46,000
2'/4'	30L	30,000	25°C	203,000	127,000	61,000
			55°C	151,000	94,000	44,000
4'	36L	36,000	25°C	238,000	149,000	71,000
			55°C	164,000	103,000	49,000
4'	40L	40,000	25°C	177,000	111,000	53,000
			55°C	145,000	91,000	43,000
4'	48L	48,000	25°C	233,000	146,000	70,000
			55°C	159,000	99,000	47,000
4'	60L	60,000	25°C	216,000	135,000	65,000
			50°C	158,000	99,000	47,000

Additional Specification Information

¹ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

² Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

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Ordering Information Example (NOTE: No dashes or spaces unless noted below)

HHSL2224LUNVFD850LAFGHWS-PABA

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code ³	Voltage	Fixture Type	CRI; Color Temp	Lens Options	Power Connection	Packaging Options	Fixture Certifications
Series	Fixture Size	Nominal Lumen Code ³ *	Voltage	Fixture Type	CRI; Color Temp	Lens Options*	Power Connection	Packaging Options	Fixture Certifications
HHSL2= HARRIS LED High Bay Star Line, Gen 2	2= 2' 4= 4'	2' 09L= 9,000lm 12L= 12,000lm 15L= 15,000lm 18L= 18,000lm 24L= 24,000lm 30L= 30,000lm 4' 30L= 30,000lm 36L= 36,000lm 40L= 40,000lm* 48L= 48,000lm* 60L= 60,000lm* *Note: These lumen packages are not available in 480v.	UNV= 120v-277v 480= 480v	FD= Full Dimming	840= 80CRI; 4000K 850= 80CRI; 5000K	LAFG= Lens, Acrylic Frosted General Distribution LAFN= Lens, Acrylic Frosted 50° Narrow Aisle Distribution LACF= Lens, Acrylic Clear 35° Focus Distribution LAGR= Lens, Acrylic Frosted 90° Glare Reduction *Note: See Page 4 for the different lens configurations based on lumen packages	HW= Hardwire	(Blank)= Bulk Pack SP= Single Pack	-BABA= Buy America Build America Compliant Note: This is a manufactured product in the United States that exceeds the 55% threshold for Build America Buy America [BABA] compliance

Additional Specification Information

³For actual lumens see performance table

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Lens Configurations (Factory Installed)



Lumen Package that Come with 4 Lenses Standard
[24L/30L 2'/48L/60L]



Lumen Packages that Come with 2 Lenses Standard
[09L/12L/15L/18L/30L 4'/36L/40L]

Physical Information

Nominal Lumen Code	Length	Width	Depth	Weight ⁴
09L/12L/15L/18L/24L/30L	23.75"	15.00"	3.16"	6.00-11.00lbs.
30L/36L/40L/48L	45.75"	15.00"	3.16"	11.00-17.00lbs.
60L	45.75"	17.20"	3.16"	13.00-19.50lbs.

Ambient Operating Temperatures⁵

Nominal Lumen Code	Standard Operating Range	Field Installed Battery Back Up
09L/12L/15L/18L/24L/30L/36L/40L/48L	-20°C to 55°C [-4°F to 131°F]	0°C to 55°C [32°F to 131°F]
60L	-20°C to 50°C [-4°F to 122°F]	0°C to 50°C [32°F to 122°F]

Not BABA Compliant Accessories (Field Installed)

Suspended Mounting Options	
HW-FC008	Hanging cable, Set of Two: Adjustable 180", Loop, Y-Fit with Snap Hooks (1 Cable Set per Fixture)
Battery Back Up Options*	
LSLH-UNV-BBxx-KIT	Field Installed Battery Back Up Kit for LSLH and HHSL UNV HW (120v-277v hardwired) fixtures
LSLH-480-BBxx-KIT	Field Installed Battery Back Up Kit for LSLH and HHSL 480 HW (480v hardwired) fixtures
HHSL-HL-UNV-BB20KIT	60L Field Installed Battery Back Up Kit for HHSL UNV HW (120-277v hardwired) fixtures
*To order 10w battery back up kit, change "xx" to "10". To order 20w battery back up change "xx" to "20". Example: LSLH-UNV-BB10-KIT	

Not BABA Compliant Accessories (Field Installed)



Battery Back Up
(LSLH-xxx-BBxx-KIT)

Additional Specification Information

⁴ Weight will vary based on option selection

⁵ Ambient operating range when suspended 12" from the ceiling

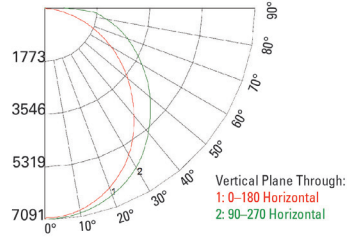
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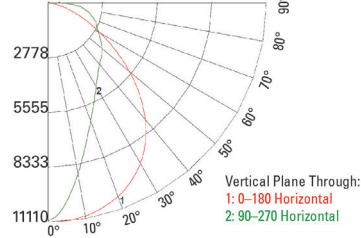
Photometrics

Visit orionlighting.com to obtain all .IES files

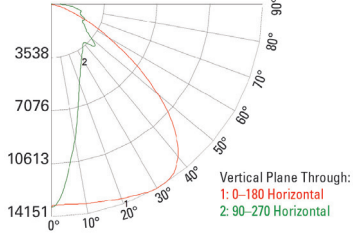
24L 850 LAFG



24L 850 LAFN



24L 850 LACF



24L 850 LAGR

