

LSLH1

Applications

The HARRIS LSLH1 Lumen Select is an innovative high bay that allows for six field selectable lumen packages. 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. Having the ability to adjust the light output in the field reduces audit challenges, and decreases project inventory complexity.



LSLH1A1UNVDSXXLFAHW
[Lens Option Shown]

Features

- Field adjustable lumen output using Orion Lumen Select technology. One fixture offers six field adjustable lumen packages [see installation guide and page 4 for field configurations]
- Narrow lightweight I-Frame 2' and 4' aluminum body allows for optimal thermal management and ease of handling during installation
- Acrylic frosted lens option reduces glare and enhances low bay applications
- Rigid and suspended mounting options
- 6 kV surge protection standard, 10 kA surge protection available
- Factory installed end mounted sensor option

Fixture Versions

Standard Low-Cycle*

- Intended for use with no control device or where on/off cycles from control devices or switching method is 4 times or less per day.

Standard High-Cycle

- Intended for use where on/off cycles from control devices or switching methods may be greater than 4 times per day.

Electrical

- Available in 120v-277v, 347v and 480v
- Adjustable Light Output with Dip Switches

Ambient Operating Range

See ambient operating table on page 3

Fixture Certifications & Listings

- UL/cUL Listed
- Buy American Act Compliant
- DesignLights Consortium™ qualified standard luminaire
- Visit the [DLC QPL](http://www.dlc.org) 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>

Rated Life

L70 > 100,000 hours

For calculated L70 hours, please contact an Orion representative

Warranty

Orion HARRIS class LED fixtures are covered by a five-year limited warranty subject to the ambient operating temperature. Refer to ambient operating table on page 3. When sensors are used with product in applications below 0°C [32°F], written approval from factory is required for warranty to apply. Accessories and individual components are covered by separate OEM supplier warranties.

*Note: If standard low-cycle is selected and used with control device or switching method that over cycles the fixture, the limited warranty will be negatively impacted and may be void



Standard Low-Cycle Performance Information, 277v, No Lens³

Series	Dip Switch Configuration	Actual Lumens	Wattage	LPW	CCT	CRI	Input Current	Power Factor
2' Models (AE1) - Standard Low-Cycle								
LSLH1	1	14,491lm	91w	160	5000K	≥80	0.33A	>.90
LSLH1	2	13,930lm	87w	160	5000K	≥80	0.31A	>.90
LSLH1	3	12,572lm	77w	163	5000K	≥80	0.28A	>.90
LSLH1	4	11,332lm	69w	164	5000K	≥80	0.25A	>.90
LSLH1	5	9,980lm	60w	166	5000K	≥80	0.22A	>.90
LSLH1	6	8,533lm	51w	166	5000K	≥80	0.19A	>.90
4' Models (BE1) - Standard Low-Cycle								
LSLH1	1	28,982lm	180w	161	5000K	≥80	0.65A	>.90
LSLH1	2	27,861lm	172w	162	5000K	≥80	0.62A	>.90
LSLH1	3	25,144lm	152w	166	5000K	≥80	0.55A	>.90
LSLH1	4	22,664lm	135w	168	5000K	≥80	0.49A	>.90
LSLH1	5	19,960lm	117w	171	5000K	≥80	0.42A	>.90
LSLH1	6	17,066lm	99w	172	5000K	≥80	0.36A	>.90

Standard High-Cycle Performance Information, 277v, No Lens³

Series	Dip Switch Configuration	Actual Lumens	Wattage	LPW	CCT	CRI	Input Current	Power Factor
2' Models (A1) - Standard High-Cycle								
LSLH1	1	15,360lm	96w	161	5000K	≥80	0.35A	>.90
LSLH1	2	14,978lm	93w	161	5000K	≥80	0.34A	>.90
LSLH1	3	13,556lm	82w	165	5000K	≥80	0.30A	>.90
LSLH1	4	12,229lm	74w	166	5000K	≥80	0.27A	>.90
LSLH1	5	10,806lm	64w	168	5000K	≥80	0.23A	>.90
LSLH1	6	9,213lm	55w	169	5000K	≥80	0.20A	>.90
4' Models (B1) - Standard High-Cycle								
LSLH1	1	30,540lm	192w	159	5000K	≥80	0.69A	>.90
LSLH1	2	29,776lm	186w	160	5000K	≥80	0.67A	>.90
LSLH1	3	26,867lm	165w	163	5000K	≥80	0.59A	>.90
LSLH1	4	24,203lm	147w	165	5000K	≥80	0.53A	>.90
LSLH1	5	21,400lm	129w	166	5000K	≥80	0.46A	>.90
LSLH1	6	18,301lm	110w	167	5000K	≥80	0.40A	>.90

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

Series	Nominal Lumen Code	Application	Voltage	Driver Type	CRI; Color Temp	Lens Options	Power Connection	Fixture Options	Control Options	Packaging Options
LSLH1	A1	OA	UNV	DSXX	850	NOL	HW	TS	MSL2	-SP

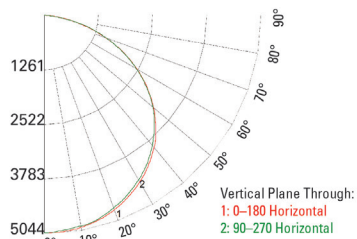
Ordering Information

Series	Nominal Lumen Code ¹	Application	Voltage	Driver Type ²	CRI; Color Temp	Lens Options	Power Connection	Fixture Options	Control Options	Packaging Options
LSLH1= HARRIS Lumen Select LED High Bay, Gen 1	Standard Low-Cycle Version 2' AE1= 14,500lm	OA= Open Area AA= Aisle Area NOTE: If selecting the AA option, LFA under Application must be selected	UNV= 120v-277v 347= 347v 480= 480v	DSXX= Dip Switch Dimming Configuration	840= 80CRI; 4000K 850= 80CRI; 5000K	NOL= No Lens LFA= Lens, Frosted Acrylic NOTE: If selecting the NOL option, OA under Application must be selected	HW= Hardwire PF= Platform 06W= 6' Whip, White 11W= 11' Whip, White 06B= 6' Whip, Black 11B= 11' Whip, Black Note: All whips are mounted from the back of the fixture	[Blank]= No Option OE= Orange Emergency (Painted End Panels) TS= 10 kA Surge Protection	[Blank]= No Control Options MSL2= Control, On/Off Only, High, Low Bay and Aisle Lenses	[Blank]= Bulk Pack -SP= Single Pack
	4' BE1= 29,000lm									
	Standard High-Cycle Version 2' A1= 15,500lm									
	4' B1= 30,500lm NOTE: Lumen output is field adjustable. See configurations on page 4									

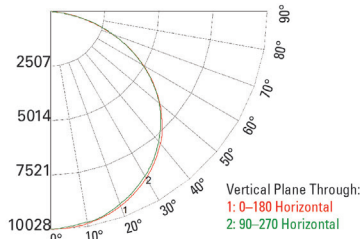
Photometrics

Visit orionlighting.com to obtain all .IES files

A1 OA 850 NOL



B1 OA 850 NOL

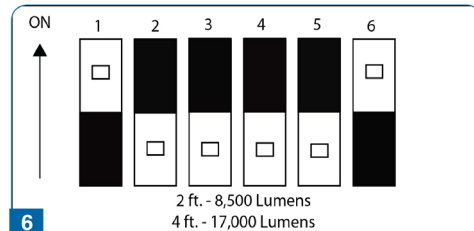
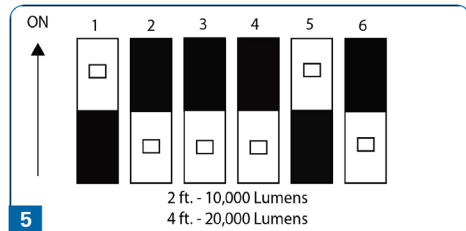
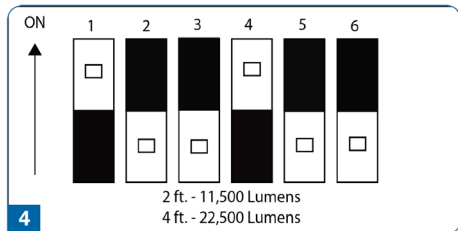
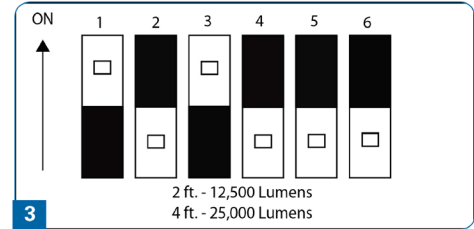
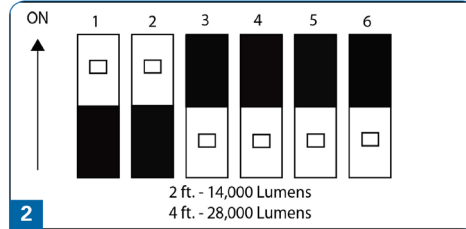
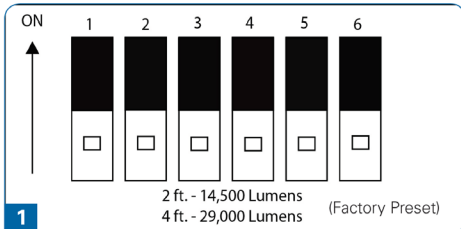


Ambient Operating Temperatures⁵

Nominal Lumen Code	Dip Switch Configuration #	Standard Range
A1/AE1	1/2	-20°C to 45°C [-4°F to 113°F]
	3/4	-20°C to 50°C [-4°F to 122°F]
	5/6	-20°C to 55°C [-4°F to 131°F]
B1/BE1	1/2/3	-20°C to 45°C [-4°F to 113°F]
	4/5	-20°C to 50°C [-4°F to 122°F]
	6	-20°C to 55°C [-4°F to 131°F]

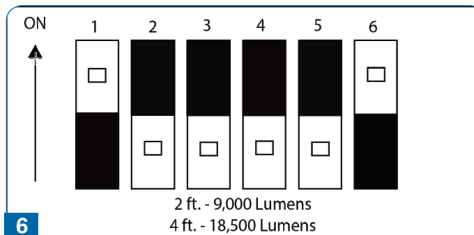
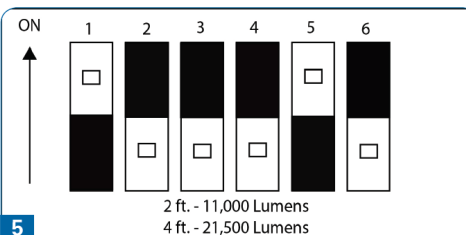
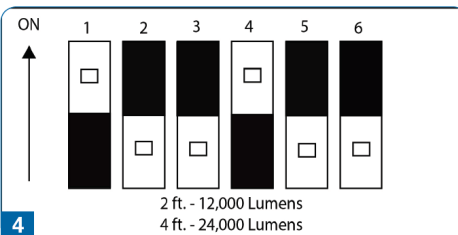
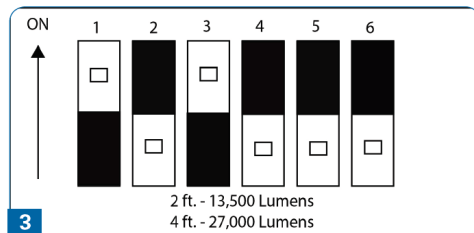
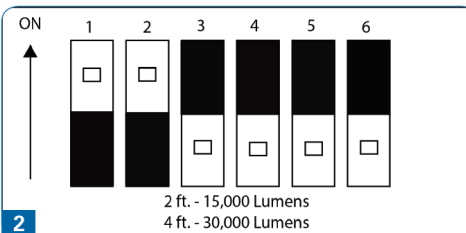
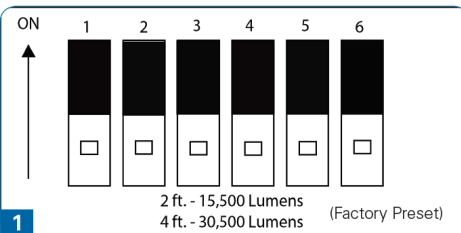
Standard Low-Cycle Versions

Dip Switch Configurations for 2 ft. AE1 Models, No Lens and 4 ft. BE1 Models, No Lens



Standard High-Cycle Versions

Dip Switch Configurations for 2 ft. A1 Models, No Lens and 4 ft. B1 Models, No Lens



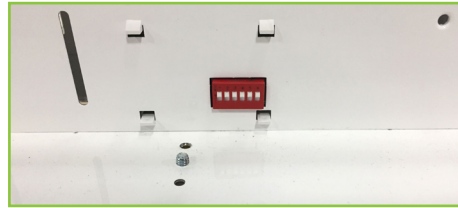
Physical Information

Nominal Lumen Code	Length	Width	Depth	Weight ⁴
A1/AE1	23.63"	7.50"	3.13"	4-10lbs.
B1/BE1	45.73"	7.50"	3.13"	8-20lbs.

Fixture Features & Options (Factory Installed)



**Sensor Option
(MSL2)**



Dip Switch (Factory Installed Standard for All Fixtures - This Allows Fixture Light Output to be Field Adjustable)



**No Lens Option
(NOL)**

Accessories (Field Installed)

Suspended Mounting Options	
ECAB19	19" Cables with Snap Hooks (2 Required per Fixture)
ECAB31	31" Cables with Snap Hooks (2 Required per Fixture)
HW-FC008	Hanging cable, Set of Two: Adjustable 180", Loop, Y-Fit with Snap Hooks (1 Set per Fixture)
LED-LSLH-PMR01-KIT	Pendant Mounting Bracket Kit for LSLH1 Style Fixtures, Galvanized Steel [Available for Hardwired (HW) models only]
Rigid Mounting Option	
H131SET	Rigid/Flush and Threaded Rod Mounting Bracket Set (Raw Galvanized Steel-also available in white, add -W to the end of the part number)
Battery Back Up Option ^{5*}	
LSLH-UNV-BBxx-KIT	Field Installed Battery Back Up Kit for LSLH and HHSL UNV HW [120v-277v hardwired] fixtures
LSLH-347-BBxx-KIT	Field Installed Battery Back Up Kit for LSLH and HHSL 347 HW [347v hardwired] fixtures
LSLH-480-BBxx-KIT	Field Installed Battery Back Up Kit for LSLH and HHSL 480 HW [480v 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	



**Battery Back Up
(LSLH-XXX-BBxx-KIT)**

Additional Specification Information

¹ For actual lumens, see performance table

² "XX" is a character placeholder for the manufacturing configuration

³ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

⁴ Weight will vary based on option selection

⁵ Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F. Battery back up field install kit can only be added to fixtures that are Hardwired (HW)