

Series Spec Sheet

L1RSH-L

ROUND ECONOMIC AND HIGH PERFORMING LUMINAIRE

Our economic series of LED High Bays are an energy efficient solution with a simple design. This type of luminaire is ideal for any application such as warehouses, manufacturing facilities, sports arenas, and other large high ceiling indoor applications. The IP65 rating allows this fixture to be installed where dust and water spray may be present.

APPLICATIONS

- Industrial, commercial, residential, dusty, wet or damp environments
- Warehouses
- Manufacturing
- Sports facilities
- Aerospace
- Distribution center
- Convention Centers

FEATURES AND SPECIFICATIONS

• Construction

Housing

- Pure light aluminum shell provides optimal heat dissipation and high lumen efficacy
- 10' power cable and dimming wires included

Mounting options

Hook mount standard. The hook is removable for ½" NPT conduit mounting. For additional security, use the safety cable accessory. A trunnion (± 90°) is also available for yoke bracket surface mounting (see accessories below).

Lens

Clear polycarbonate lens over LEDs provides a high light efficacy. Standard 110° beam angle.

• Electrical

Driver

- 120-277 V or 347 V
- 1-10 V dimming driver

Operating temperature

-40°C to +45°C (-40°F to 113°F)

• Compliances

- Suitable for damp and wet location
- IP65
- Meets requirements of ICES-005
- cULus Certified
- UL1598, UL8750

OVERVIEW

Light source	LED
Watts (W)	100 - 242
Lumen output (lm)	15 328 - 37 911
Efficacy (lm/W)	133 - 163
Color temperature (K)	4 000, 5 000
CRI	80 +
Weight (lbs)	5.24 - 11.11



Aluminum reflector



Clear PC reflector



quick ship



LED fixture



wet location



ICES 005



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE  ¹

Order code	Model number	DLC Unique ID	Watts (W)	Volts (V AC)	Color temp. (K) ⁴	Lumen output (lm) ⁵	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁶	Beam angle (°)	Power factor	THD (%)
120-277 V²												
68099	L1RSH-LS1-W/50K	PLR86DBZZUOT	100	120-277	5 000	15 401	153	80+	151 000	110	0.88	13.8
68602	L1RSH-LS3A-W/40K	PLED0HQHHOXJ	205	120-277	4 000	27 341	133	80+	173 000	110	0.96	9.09
68603	L1RSH-LS3A-W/50K	PL9DWOCED48D	205	120-277	5 000	27 737	135	80+	173 000	110	0.96	9.09
68102	L1RSH-LS3-W/40K	PL8KT63VY00B	204	120-277	4 000	32 772	161	80+	151 000	110	0.94	9.38
68103	L1RSH-LS3-W/50K	PLFWOH766CCH	204	120-277	5 000	33 188	163	80+	151 000	110	0.94	9.38
68104	L1RSH-LS4-W/40K	PLY8TDP5G3WV	242	120-277	4 000	37 437	155	80+	151 000	110	0.96	6.61
68105	L1RSH-LS4-W/50K	PLSW0QDOMAKC	242	120-277	5 000	37 911	157	80+	151 000	110	0.96	6.61
347 V³												
68290	L1RSH-LS1-H/40K	PLYUQPE6NBRN	100	347 ⁷	4 000	15 328	153	80+	173 000	110	0.94	9.74
68291	L1RSH-LS1-H/50K	PLB0I3G0DC52	100	347 ⁷	5 000	15 521	155	80+	173 000	110	0.94	9.74
68292	L1RSH-LS2-H/40K	PL6T1E7PSWKW	149	347 ⁷	4 000	22 563	152	80+	173 000	110	0.96	7.37
68293	L1RSH-LS2-H/50K	PLFRVPBONING	149	347 ⁷	5 000	22 802	153	80+	173 000	110	0.96	7.37
68604	L1RSH-LS3A-H/40K	P5MLFD69	200	347 ⁷	4 000	28 000	140	80+	173 000	110	0.90	15.0
68294	L1RSH-LS3-H/40K	PLT2KF5B101	201	347 ⁷	4 000	30 818	154	80+	173 000	110	0.97	9.53
68297	L1RSH-LS4-H/50K	PLQFCT204C6C	237	347 ⁷	5 000	36 012	152	80+	173 000	110	0.97	7.5

¹ QUICK SHIP: Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

² External sensor available. See accessories table below.

³ Internal and external sensors available. See accessories table below.

⁴ Typical color temperature range: +/- 5 %.

⁵ Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

⁶ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

⁷ Drivers operate from 277-480 V.

ACCESSORIES (order separately)

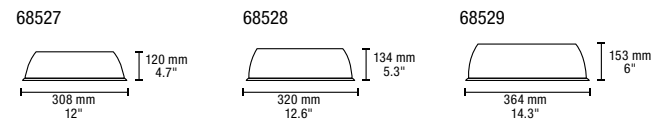
Order code	Type	Compatible with
68527	Aluminum reflector	S1
68528	Aluminum reflector	S2
68529	Aluminum reflector	S3 & S4
68530	Clear PC reflector	S1
68531	Clear PC reflector	S2
68532	Clear PC reflector	S3 & S4
68533	High frequency sensor (internal) Pre-settings: Bi-level 20 min, 10% ¹	All 347 V configurations
68718	High frequency sensor (external) Pre-settings: On-Off 20 min ²	All 120-277 V configurations
KIT-OSE-FO-1101	High frequency sensor (external) Pre-settings: On-Off 20 min ³	All 347 V configurations
68534	Trunnion (± 90°)	S1
68535	Trunnion (± 90°)	S2
68536	Trunnion (± 90°)	S3 & S4
68537	Safety cable	S1 & S2
68538	Safety cable	S3 & S4
OSI-RC-HXGY347	Remote Control for HD408VRH Sensor	68533 and KIT-OSE-FO-1101
OSI-RC-MH10	IR Transmission Remote Device for MC609V	68718

¹ For more settings, please consult the individual spec sheet.

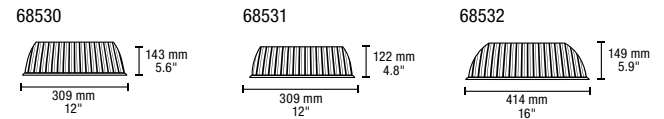
² Damp location. Consult factory for more settings.

³ Consult factory for more settings.

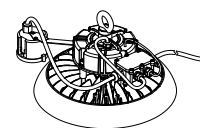
ALUMINUM REFLECTOR SILVER 100°



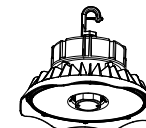
CLEAR POLYCARBONATE REFLECTOR 90°



EXTERNAL SENSOR



INTERNAL SENSOR



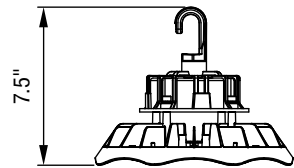
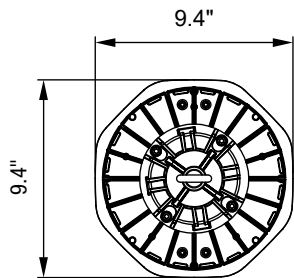
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

COMPATIBLE DIMMERS

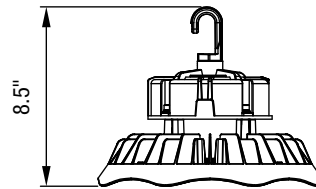
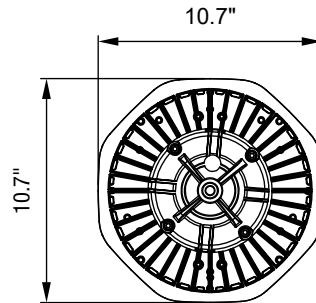
Brand	Model number
Lutron	DVSTV
Lutron	DVTV
Leviton	DS710
Cooper	SF10P
Hubbell	LHD-IRS3-N-WH

DIMENSIONS

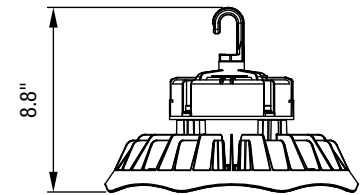
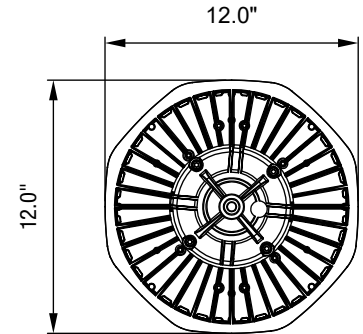
LS1



LS2



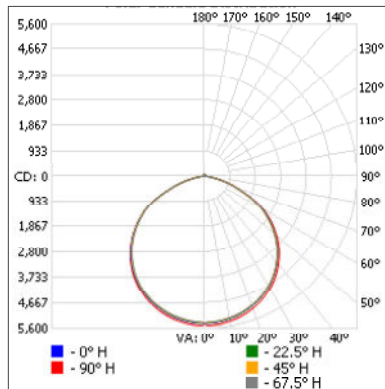
LS3 & LS4



PHOTOMETRIC DATA¹

68098 • L1RSH-LS1-W/40K • 15 605.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	4 280.3	27.4%
0-40	7 076.3	45.3%
0-60	12 650.8	81.1%
60-90	2 746.8	17.6%
70-100	928.4	5.9%
90-120	91.8	0.6%
0-90	15 397.7	98.7%
90-180	208.0	1.3%
0-180	15 605.6	100%

Illuminance at a distance

Center beam fc		Beam width	
4.3'	293 fc	13.3'	13.5'
8.7'	71.6 fc	26.9'	27.3'
13.0'	32.1 fc	40.2'	40.8'
17.3'	18.1 fc	53.5'	54.3'
21.7'	11.5 fc	67.0'	68.1'
26.0'	8.02 fc	80.3'	81.6'

■ Vert. spread: 114.2°
■ Horiz. spread: 115.0°

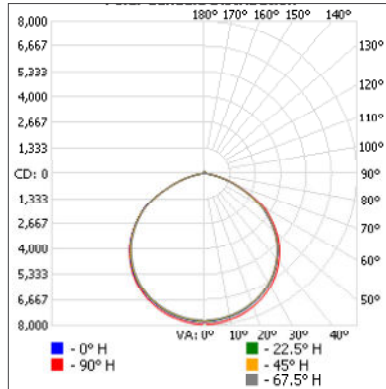
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

68100 • L1RSH-LS2-W/40K • 22 388.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	6 162.7	27.5%
0-40	10 184.1	45.5%
0-60	18 186.5	81.2%
60-90	3 909.4	17.5%
70-100	1 307.8	5.8%
90-120	127.3	0.6%
0-90	22 095.9	98.7%
90-180	292.4	1.3%
0-180	22 388.3	100%

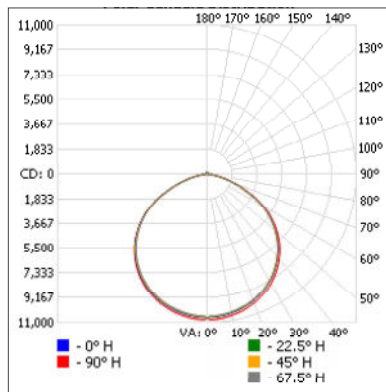
Illuminance at a distance

Center beam fc	Beam width
1.7'	5.2' 5.3'
3.3'	10.1' 10.4'
5.0'	15.3' 15.7'
6.7'	20.5' 21.1'
8.3'	25.3' 26.1'
10.0'	30.5' 31.4'

■ Vert. spread: 113.5°
■ Horiz. spread: 115.0°

68102 • L1RSH-LS3-W/40K • 30 614.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	8 396.5	27.4%
0-40	13 876.0	45.3%
0-60	24 783.6	81%
60-90	5 432.0	17.7%
70-100	1 869.8	6.1%
90-120	174.2	0.6%
0-90	30 215.6	98.7%
90-180	399.3	1.3%
0-180	30 614.9	100%

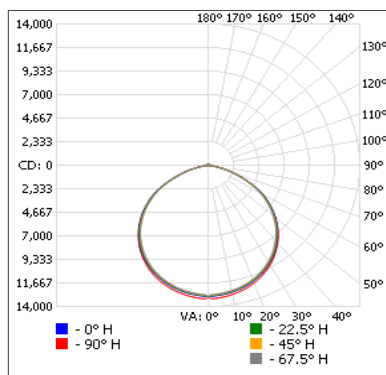
Illuminance at a distance

Center beam fc	Beam width
4.3'	13.2' 13.4'
8.7'	26.8' 27.2'
13.0'	40.0' 40.6'
17.3'	53.2' 54.1'
21.7'	66.8' 67.8'
26.0'	80.0' 81.3'

■ Vert. spread: 113.9°
■ Horiz. spread: 114.8°

68104 • L1RSH-LS4-W/40K • 36 587.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	10 137.2	27.7%
0-40	16 725.2	45.7%
0-60	29 779.2	81.4%
60-90	6 335.1	17.3%
70-100	2 113.6	5.8%
90-120	205.4	0.6%
0-90	36 114.3	98.7%
90-180	473.0	1.3%
0-180	36 587.3	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	2.5' 5.2'
3.3'	10.1' 10.0'
5.0'	15.3' 15.2'
6.7'	20.5' 20.4'
8.3'	25.4' 25.2'
10.0'	30.5' 30.4'

■ Vert. spread: 113.6°
■ Horiz. spread: 113.3°

¹ Complete IES files available on our website.

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