

Series Spec Sheet

L1RUH

ROUND ECONOMIC AND HIGH PERFORMING LUMINAIRE INTEGRATED SENSOR

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. Meets NEMA 4X and NSF.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- Pure light aluminum shell provides optimal heat dissipation and high lumen efficacy
- Clear polycarbonate lens over LEDs provides a high light efficacy. Standard 90° beam angle
- 10' power cable included in all configurations

Mounting options

- Hook mount standard. The hook is removable for 1/2" NPT conduit mounting. For additional security, use a safety cable accessory (not included). Trunnion with pivot range ($\pm 90^\circ$) is also available for yoke bracket surface mounting (see accessories below)

• Performance data

- Available in both 4 000 and 5 000 K single color temperatures
- 80+ CRI for true color accuracy
- Electrical Ratings: 120-277 V
- Estimated life of over 54 000 hours to L70
- 0-10 V dimming driver. Dimming cable included with this luminaire
- 4 kV surge protection
- Operating temperature: -40 °C to +50 °C (-40 °F to +122 °F)

• Compliances

- cULus certified for wet locations
- Meets NSF requirements (Splash Zone and Non Food Zone)
- Meets requirements of ICES-005 (A)
- Meets IP65 /NEMA 4X

OVERVIEW

Light source	LED
Watts (W)	100, 151, 202, 243
Lumen output (lm)	13 465-37 376
Efficacy (lm/W)	133-154
Color temperature (K)	4 000, 5 000
CRI	80+



100-150 W



200-240 W

AVAILABLE REFLECTORS



ALUMINUM REFLECTOR



CLEAR PC REFLECTOR



quick
ship



LED
fixture



wet
location



dimmmable
fixture



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

SINGLE CCT AND SINGLE POWER

Order code	Model number	DLC unique ID	Watts (W)	Volts (V AC)	Color temp. (K) ¹	Lumen output (lm) ²	Efficacy (lm/W)	CRI	Life L70 (hrs) ³	Tested hours LM-80 (hrs) ³	Beam angle	Power factor	THD (%)
68789	L1RUH-LS1-W/40K	P6EZGJLG	100	120-277	4 000	13 465	135	80+	> 54 000	9 000	90°	> 0.9	< 15
68790	L1RUH-LS1-W/50K	P7PU8K7D	100	120-277	5 000	13 524	135	80+	> 54 000	9 000	90°	> 0.9	< 15
68791	L1RUH-LS2-W/40K	PYCIUQJL	151	120-277	4 000	20 315	135	80+	> 54 000	9 000	90°	> 0.9	< 15
68792	L1RUH-LS2-W/50K	P485MOQJ	151	120-277	5 000	20 487	136	80+	> 54 000	9 000	90°	> 0.9	< 15
68793	L1RUH-LS3-W/40K	PGEUKAH7	202	120-277	4 000	27 069	134	80+	> 54 000	9 000	90°	> 0.9	< 15
68798	L1RUH-LS5-W/50K	PURGFSOP	243	120-277	5 000	37 376	154	80+	> 54 000	9 000	90°	> 0.9	< 15

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

ACCESSORIES (order separately)

Order code	Model Number	Type	Compatible with
68818	JB025	1/2 NPT male to 3/4 NPT female conduit adapter with junction box for pendant mount	68789, 68790, 68791, 68792, 68793, 68798
HAR1159	HAR1159	1/2 NPT male to 3/4 NPT female conduit adapter for pendant mount	68789, 68790, 68791, 68792, 68793, 68798
68819	BKT844-100-BK	Trunion 100 W - 150 W	68789, 68790, 68791, 68792
68820	BKT844-200-BK	Trunion 200 W - 240 W	68793, 68798
68821	REF694-AL-100	Aluminium reflector 100 W - 150 W	68789, 68790, 68791, 68792
68822	REF694-AL-200	Aluminium reflector 200 W - 240 W	68793, 68798
68823	REF694-PC-100	PC reflector 100 W - 150 W	68789, 68790, 68791, 68792
68824	REF694-PC-200	PC reflector 200 W - 240 W	68793, 68798
68826 ¹	OSI-HB03DPR-A	External PIR sensor kit OSI-HB03DPR-A	68789, 68790, 68791, 68792, 68793, 68798
68827	OSI-HB03R	Remote control OSI-HB03R for sensors	68826
69013 ²	BI-BLD-RM30R	External Rugby emergency back-up BLD-RM30R	68789, 68790, 68791, 68792, 68793, 68798
69014	BI-RN51M	Remote control Rugby EM back-up RN51M	69013

¹ To change factory settings, purchase remote 68827 (sold separately).

² To manually test in EM mode RF remote 69014 can be purchased separately.

COMPATIBLE DIMMERS¹

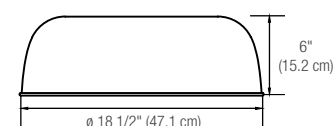
Brand	Model Number
LUTRON	NTSTV-DV-AL, NFTV-IV, DVTV-WH
LEVITON	DS710-10Z, IP710-DLZ
LEGRAND	RH4FBL3PW

Dimming range: 10%-100%

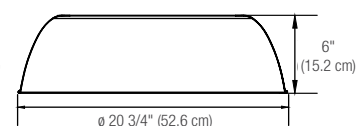
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

ALUMINUM REFLECTOR SILVER

REF694-AL-100

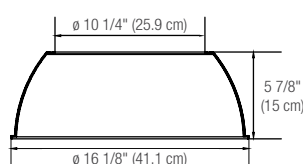


REF694-AL-200

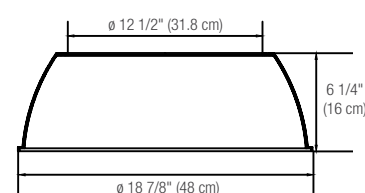


CLEAR POLYCARBONATE REFLECTOR

REF694-PC-100



REF694-PC-200



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.

OCCUPANCY SENSOR

BI-LEVEL SENSORS

Detection - On at (Detection Area) % during (Hold Time) min., then (Stand-by Dim level) %

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Stand-by Dim level (%)	Stand-by period (min)	Daylight min level (lux)	Remote ¹	Location ² (°C)
68826	External	120-347 (12 VDC)	PIR	40 max	100	10s, 1min, 10min, 30min	10, 20, 30, 50	infinite	10, 30, 50, 100, Disable	68827	Dry and Wet, -30 to +40

Default settings: Brightness: 100%, hold time: 1min, stand-by dim: 20%, stand-by time: 1min daylight: off, sensitivity: 100%

TRI-LEVEL SENSORS

Detection - On at (Detection Area) % during (Hold Time) min., then (Stand-by Dim level) % during (Stand-by time) min, then OFF

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Stand-by Dim level (%)	Stand-by period (min)	Daylight min level (lux)	Remote ¹	Location ² (°C)
68826	External	120-347 (12 VDC)	PIR	40 max	100	10s, 1min, 10min, 30min	10, 20, 30, 50	1, 30, 60	10, 30, 50, 100, Disable	68827	Dry and Wet, -30 to +40

Default settings: Brightness: 100%, hold time: 1min, stand-by dim: 20%, stand-by time: 1min daylight: off, sensitivity: 100%

¹ To be ordered separately.

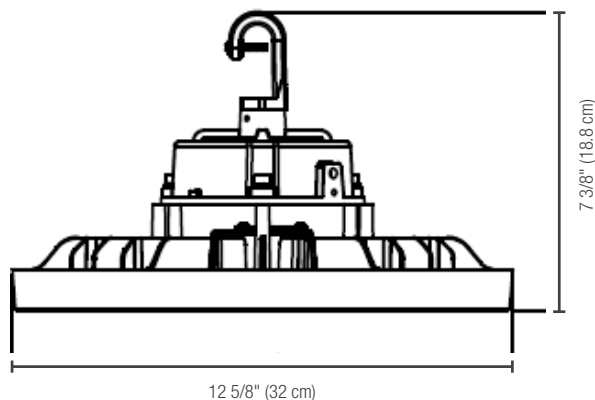
² Min and max ambient temperature of the fixture with the specific sensor. Please verify fixture temperature on the first page for compatibility with sensor.

For more settings visit

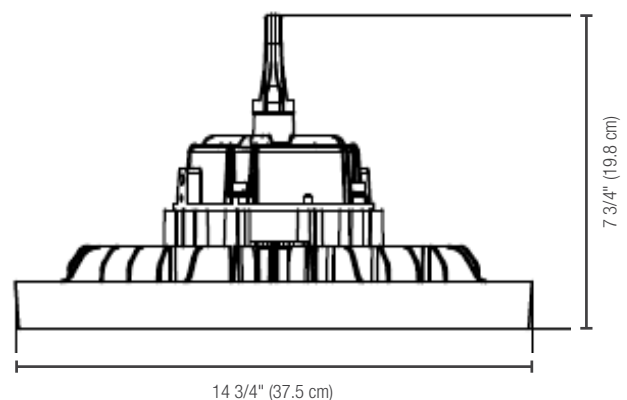
www.standardpro.com/documentation/technical-information/

DIMENSIONS

100-150 W



200-240 W

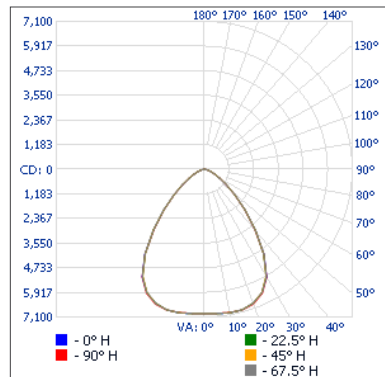


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PHOTOMETRIC DATA¹

68789 • L1RUH-LS1-W/40K • 12 842.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	5 614.1	43.7
0-40	8 669.6	67.5
0-60	11 997.5	93.4
60-90	845.1	6.6
0-90	12 842.6	100

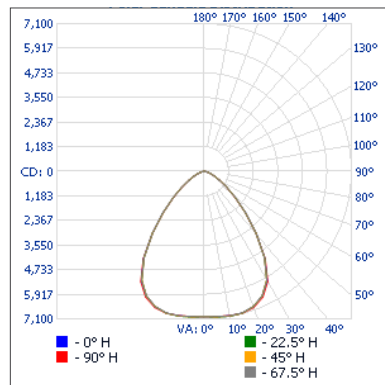
Illuminance at a distance

Center beam fc		Beam width	
1.7'	2 395	3.0'	2.9'
3.3'	636	5.8'	5.6'
5.0'	277	8.8'	8.5'
6.7'	154	11.9'	11.4'
8.3'	100	14.7'	14.1'
10.0'	69.2	17.7'	17.0'

■ Vert. spread : 83.0°
■ Horiz. spread : 80.6°

68790 • L1RUH-LS1-W/50K • 13 042.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	5 860.6	43.6
0-40	8 802.2	67.5
0-60	12 194.8	93.5
60-90	847.7	6.5
0-90	13 042.5	100

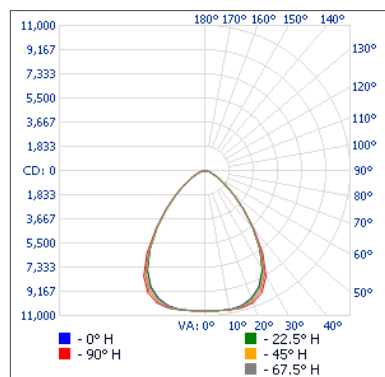
Illuminance at a distance

Center beam fc		Beam width	
1.7'	2 417	2.8'	3.0'
3.3'	641	5.4'	5.9'
5.0'	279	8.2'	8.9'
6.7'	156	11.0'	11.9'
8.3'	101	13.6'	14.7'
10.0'	69.8	16.4'	17.7'

■ Vert. spread : 78.6°
■ Horiz. spread : 83.1°

68791 • L1RUH-LS2-W/40K • 19 355.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	8 540.0	44.1
0-40	13 091.0	67.6
0-60	18 081.2	93.4
60-90	1 274.4	6.6
0-90	19 355.6	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	3 676	2.7'	3.0'
3.3'	976	5.2'	5.8'
5.0'	425	7.9'	8.7'
6.7'	237	10.6'	11.7'
8.3'	154	13.1'	14.5'
10.0'	106	15.8'	17.5'

■ Vert. spread : 76.6°
■ Horiz. spread : 82.3°

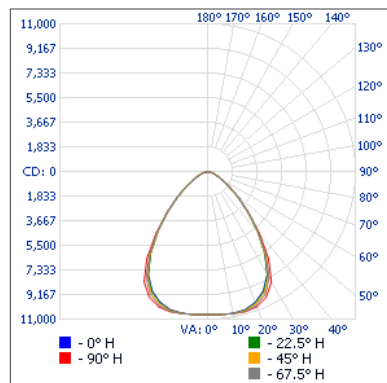
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

68792 • L1RUH-LS2-W/50K • 19 615.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	8 598.9	43.8
0-40	13 247.7	67.5
0-60	18 337.0	93.5
60-90	1 278.6	6.5
0-90	19 615.6	100

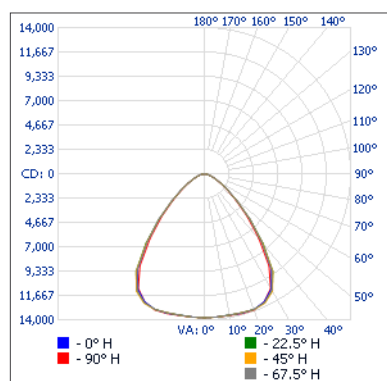
Illuminance at a distance

Center beam fc		Beam width	
1.7'	3 683	2.7'	3.0'
3.3'	977	5.3'	5.9'
5.0'	426	8.0'	8.9'
6.7'	237	10.8'	11.9'
8.3'	155	13.3'	14.8'
10.0'	106	16.0'	17.8'

■ Vert. spread : 77.5°
 ■ Horiz. spread : 83.3°

68793 • L1RUH-LS3-W/40K • 27 368.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	11 457.2	41.9
0-40	18 295.5	66.8
0-60	25 557.6	93.4
60-90	1 811.0	6.6
0-90	27 368.6	100

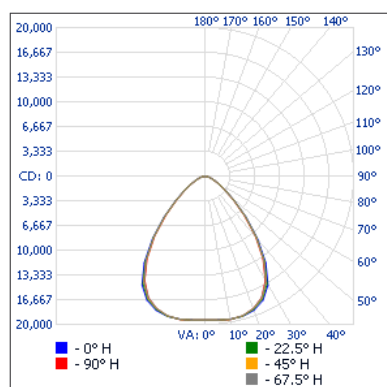
Illuminance at a distance

Center beam fc		Beam width	
1.7'	4 772	2.8'	3.1'
3.3'	1 266	5.4'	6.1'
5.0'	552	8.2'	9.2'
6.7'	307	11.0'	12.3'
8.3'	200	13.6'	15.2'
10.0'	138	16.4'	18.3'

■ Vert. spread : 78.8°
 ■ Horiz. spread : 85.0°

68798 • L1RUH-LS5-W/50K • 35 433.7 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	15 645.3	44.2
0-40	24 201.2	68.3
0-60	33 270.5	93.9
60-90	2 163.2	6.1
0-90	35 433.7	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	6 717	2.9'	3.0'
3.3'	1 782	5.7'	5.8'
5.0'	776	8.6'	8.8'
6.7'	432	11.5'	11.7'
8.3'	282	14.3'	14.5'
10.0'	194	17.2'	17.5'

■ Vert. spread : 81.3°
 ■ Horiz. spread : 82.4°

¹ Complete IES files available on our website.

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