

L1RPH-L

ROUND LED WHITE HIGH BAY LUMINAIRE

Our new series of LED High Bays are an energy efficient solution and maintain a traditional size and shape. This type of luminaire is ideal for use in applications such as warehouses, manufacturing, sports arenas, and other large high ceiling indoor applications. This high bay is ideal for large vertical spaces such as big box retail operations that require higher lumen output solutions with a more refined design than traditional industrial looking high bays. The IP65 rating allows this fixture to be installed where dust and water spray may be present.

FEATURES AND SPECIFICATIONS

• Applications

- Industrial, commercial, residential, dusty, wet or damp environments
- Big box retail
- Warehouses
- Manufacturing
- Sports facilities
- Aerospace
- Auto dealers
- Convention Centers

• Construction

Housing

- Pure aluminum proprietary heat sink provides optimal thermal management, decreasing LED junction temperature and ensuring long life. The raw material is 1070 purity aluminum and the thermal conductivity index reaches up to 226 W/mK. Cold forging technology ensures no change in the structure of raw material. The heat dissipation is 3 times faster than die-casting
- Electrophoresis surface treatment method is used for optimal heat dissipation and surface endurance
- Quality LED PCB with superior heat conductivity (7 W/mK) and high reflectance rate
- 6' power cable and 6' of 0-10 V dimming wires standard

Lens

Frosted polycarbonate lens over LEDs provides a diffused distribution of light and minimizes glare

• Specifications

Driver

- 120-277 V and 347 V available
- 0-10 V dimming standard

Ambient temperature

-40°C to +50°C.

Mounting

Stainless steel hook mount standard.

• Compliances

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



120-277 V



347 V

AVAILABLE REFLECTORS



REF827-60



REF827-90



REF828



REF828-FR



ICES
005



OVERVIEW

Light source	LED
Watts (W)	103 - 204
Lumen output (lm)	12 945 - 25 345
Efficiency (lm/W)	122 - 130
Color temperature (K)	4 000, 5 000
CRI	80+
Weight (lbs)	12

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

Part number	DLC unique ID	Watts (W)	Volts (VAC)	Color temp. (K) ²	Lumen output (lm) ³	Efficiency (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	Dimming (V)	Power factor	THD (%)
L1RPH-LS1-W/40K	PRM4TWFJ	103	120-277	4 000	12 945	126	80+	220 000	10 000	0-10	0.99	9
L1RPH-LS1-W/50K	PE8GMQ99	103	120-277	5 000	13 157	128	80+	220 000	10 000	0-10	0.99	9
L1RPH-LS1-H/40K	PRM4TWFJ	103	347	4 000	12 945	126	80+	220 000	10 000	0-10	0.99	9
L1RPH-LS1-H/50K	PE8GMQ99	103	347	5 000	13 157	128	80+	220 000	10 000	0-10	0.99	9
L1RPH-LS2-W/40K	PKOI986C	154	120-277	4 000	19 727	128	80+	200 000	10 000	0-10	0.99	8
L1RPH-LS2-W/50K	PHMAYIQG	154	120-277	5 000	20 050	130	80+	200 000	10 000	0-10	0.99	8
L1RPH-LS2-H/40K	PKOI986C	154	347	4 000	19 727	128	80+	210 000	10 000	0-10	0.99	8
L1RPH-LS2-H/50K	PHMAYIQG	154	347	5 000	20 050	130	80+	210 000	10 000	0-10	0.99	8
L1RPH-LS3-W/40K	PJFF9A9Q	204	120-277	4 000	24 937	122	80+	180 000	10 000	0-10	0.99	7
L1RPH-LS3-W/50K	PWMKCPTW	204	120-277	5 000	25 345	124	80+	180 000	10 000	0-10	0.99	7
L1RPH-LS3-H/40K	PJFF9A9Q	204	347	4 000	24 937	122	80+	195 000	10 000	0-10	0.99	7
L1RPH-LS3-H/50K	PWMKCPTW	204	347	5 000	25 345	124	80+	195 000	10 000	0-10	0.99	7

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 Typical color temperature range: +/- 5 %.

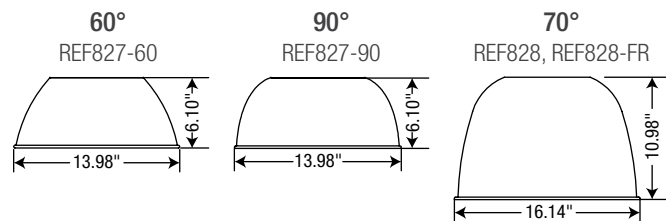
³ Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ACCESSORIES (order separately)

Part number	Type	Compatible with
REF827-60 ¹	Aluminum reflector 60°	LS1, LS2, LS3
REF827-90 ¹	Aluminum reflector 90°	LS1, LS2, LS3
REF828 ¹	Clear polycarbonate reflector 70°	LS1, LS2, LS3
REF828-FR ¹	Frosted polycarbonate reflector 70°	LS1, LS2, LS3
WGD064-60	Wireguard for aluminum reflector	REF827-60
WGD064-90	Wireguard for aluminum reflector	REF827-90
WGD065	Wireguard for polycarbonate reflector	REF828, REF828-FR

¹ Reflector options are not currently qualified for DLC rebates.



COMPATIBLE DIMMERS

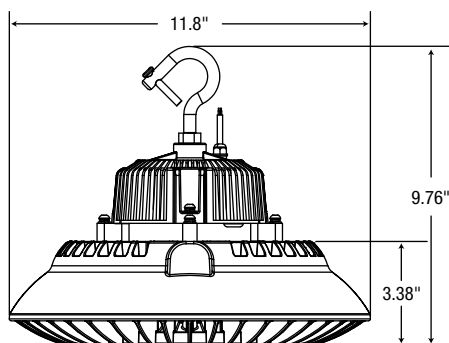
Brand	Model number
Cooper	SF10P
Hubbell	LHD-IRS3-B-WH
Leviton	DS710
Lutron	DVSTV/DVTV

Dimming range 10%-100%

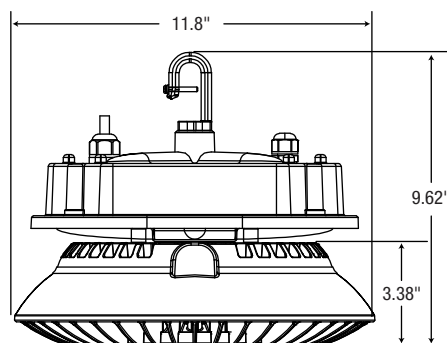
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

DIMENSIONS

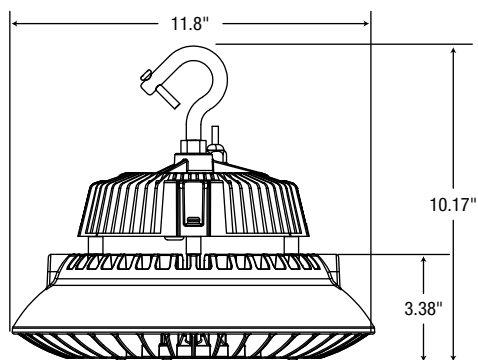
S1 & S2 – 120-277 V



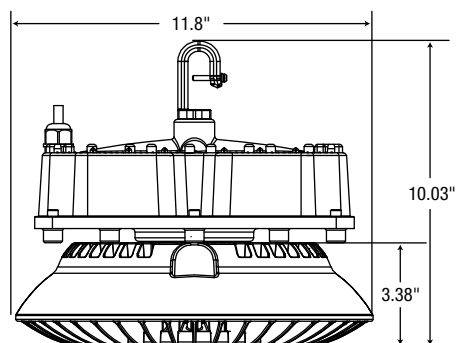
S1 & S2 – 347 V



S3 – 120-277 V



S3 – 347 V

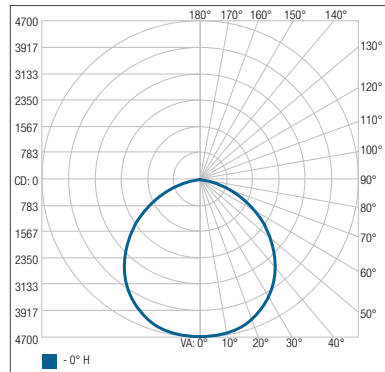


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PHOTOMETRIC DATA

L1RPH-LS1-(H/W)-40K • 12 982.4 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	3 678.1	28.3
0-40	6 041.3	46.5
0-60	10 534.4	81.1
60-90	2 439.3	18.8
70-100	993.4	7.7
90-120	8.6	0.1
0-90	12 973.7	99.9
90-180	8.6	0.1
0-180	12 982.4	100

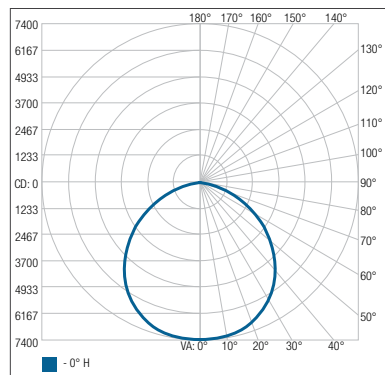
Illuminance at a distance

	Center beam fc	Beam width
1.7'	1 616	4.8'
3.3'	429	9.4'
5.0'	187	14.2'
6.7'	104	19.1'
8.3'	67.8	23.6'
10.0'	46.7	28.5'

■ Beam spread: 109.8°

L1RPH-LS2-(H/W)-40K • 19 784.0 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	5 770.8	29.2
0-40	9 449.1	47.8
0-60	16 297.1	82.4
60-90	3 476.9	17.6
70-100	1 355.7	6.9
90-120	10.0	0.1
0-90	19 774.0	99.9
90-180	10.0	0.1
0-180	19 784.0	100

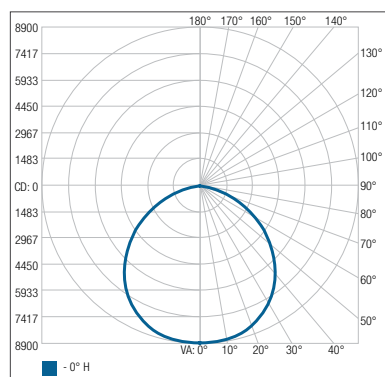
Illuminance at a distance

	Center beam fc	Beam width
1.7'	2 554	4.6'
3.3'	678	9.0'
5.0'	295	13.6'
6.7'	164	18.2'
8.3'	107	22.6'
10.0'	73.8	27.2'

■ Beam spread: 107.3°

L1RPH-LS3-(H/W)-40K • 25 008.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	6 994.8	28
0-40	11 510.8	46
0-60	20 166.6	80.6
60-90	4 821.3	19.3
70-100	2 005.9	8
90-120	20.4	0.1
0-90	24 987.9	99.9
90-180	20.4	0.1
0-180	25 008.3	100

Illuminance at a distance

	Center beam fc	Beam width
1.7'	3 057	4.9'
3.3'	811	9.6'
5.0'	353	14.6'
6.7'	197	19.5'
8.3'	128	24.2'
10.0'	88.4	29.1'

■ Beam spread: 111.0°

¹ Complete IES files available on our website.

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