STANPRO

Project: _____ Type: _____

Drawn by: _____ Catalogue #: _____ Date: _____

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.

120-277 V

347 V

AVAILABLE REFLECTORS

REF827-60

REF827-90

REF828-FR

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

OVERVIEW

Light source	LED
Watts (W)	103 - 204
Lumen output (lm)	12 945 - 24 937
Efficacy (lm/W)	122 - 128
Color temperature (K)	4 000, 5 000
CRI	80+
Weight (lbs)	12

5 yrs warranty

quick ship

LED fixture

wet location

IP 65

ICES 005

c UL us

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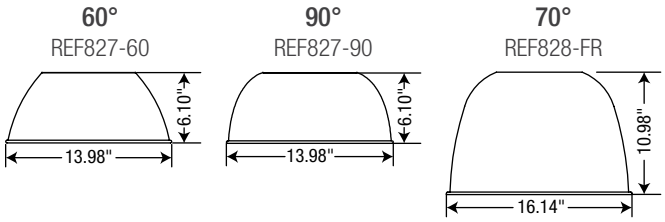
QUICK SHIP AND TECHNICAL SPECIFICATION TABLE [1]

Part number	Watts (W)	Volts (V AC)	Color temp. (K)[2]	Lumen output (lm)[3]	Efficacy (lm/W)	CRI	Life L70 (hrs)[4]	Tested hours LM-80 (hrs)[4]	Dimming (V)	Power factor	THD (%)
L1RPH-LS1-W/40K	103	120-277	4 000	12 945	126	80+	220 000	10 000	0-10	0.99	9
L1RPH-LS1-H/50K	103	347	5 000	13 157	128	80+	220 000	10 000	0-10	0.99	9
L1RPH-LS3-H/40K	204	347	4 000	24 937	122	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	Aluminum reflector 60°	LS1, LS2, LS3
REF827-90	Aluminum reflector 90°	LS1, LS2, LS3
REF828-FR	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-FR



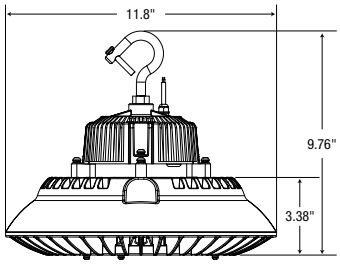
COMPATIBLE DIMMERS

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

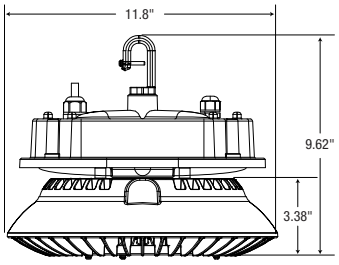
Dimming range 10%-100%

DIMENSIONS

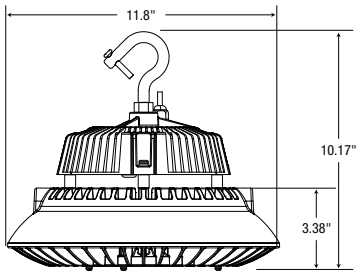
S1 & S2 – 120-277 V



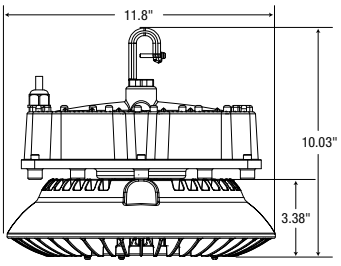
S1 & S2 – 347 V



S3 – 120-277 V



S3 – 347 V



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.

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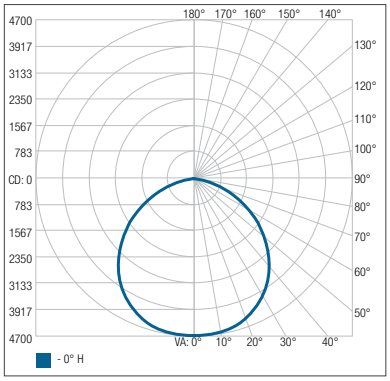
PHOTOMETRIC DATA

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

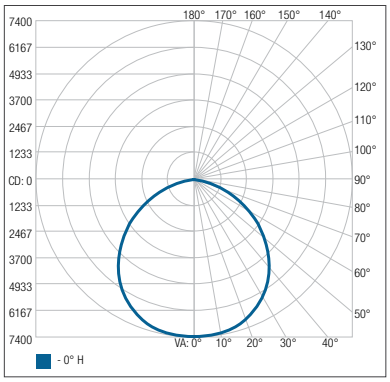
Illuminance at a distance

	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

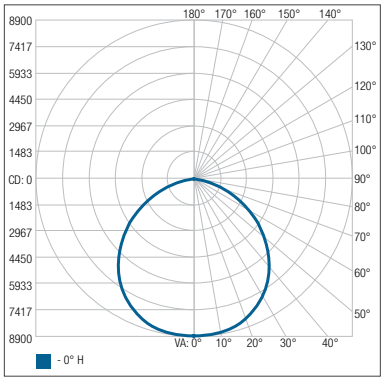
Illuminance at a distance

	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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