

R19H-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.



ALUMINUM REFLECTOR



CLEAR PC REFLECTOR

FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing

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

Lens

Clear polycarbonate lens over LEDs provides a high light efficacy. High light reflectivity reflectors, Standard 110° beam angle. Additional reflectors available.

SPECIFICATIONS

Driver

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

Operating temperature

-40°C to +45°C (-40°F to 113°F)

Mounting

Hook mount standard. The hook is removable for 1/2" 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).

COMPLIANCES

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

OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE [K]	4 000, 5 000
WATTS [W]	100 - 242	CRI	80 +
LUMEN OUTPUT [LM]	15 328 - 37 911	WEIGHT [LBS]	5.24 - 11.11
EFFICACY [LM/W]	133 - 163		
  QUICKSHIP  LED  WET LOCATION  66 IP RATING  ICES 005 			

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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QUICK SHIP ORDERING GUIDE



PART NO	WATTS [W]	VOLTS [V AC]	COLOR TEMP. [K]	LUMEN OUTPUT [LM]	EFFI-CACY [LM/W]	CRI	LIFE L70 [HRS]	BEAM ANGLE [°]	PF	THD [%]
120-277 V¹										
R19H-LA1-2/50K	100	120-277	5 000	15 401	153	80+	151 000	110	0.88	13.8
R19H-LA3A-2/40K	205	120-277	4 000	27 341	133	80+	173 000	110	0.96	9.09
R19H-LA3A-2/50K	205	120-277	5 000	27 737	135	80+	173 000	110	0.96	9.09
R19H-LA3-2/40K	204	120-277	4 000	32 772	161	80+	151 000	110	0.94	9.38
R19H-LA3-2/50K	204	120-277	5 000	33 188	163	80+	151 000	110	0.94	9.38
R19H-LA4-2/40K	242	120-277	4 000	37 437	155	80+	151 000	110	0.96	6.61
R19H-LA4-2/50K	242	120-277	5 000	37 911	157	80+	151 000	110	0.96	6.61
347 V²										
R19H-LA1-8/40K	100	347 ³	4 000	15 328	153	80+	173 000	110	0.94	9.74
R19H-LA1-8/50K	100	347 ³	5 000	15 521	155	80+	173 000	110	0.94	9.74
R19H-LA2-8/40K	149	347 ³	4 000	22 563	152	80+	173 000	110	0.96	7.37
R19H-LA2-8/50K	149	347 ³	5 000	22 802	153	80+	173 000	110	0.96	7.37
R19H-LA3A-8/40K	200	347 ³	4 000	28 000	140	80+	173 000	110	0.90	15.0
R19H-LA3-8/40K	201	347 ³	4 000	30 818	154	80+	173 000	110	0.97	9.53
R19H-LA4-8/50K	237	347 ³	5 000	36 012	152	80+	173 000	110	0.97	7.5

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

¹ External sensor available. See accessories table below.

² Internal and external sensors available. See accessories table below.

³ Drivers operate from 277-480 V.

ACCESSORIES (ORDER SEPARATELY)

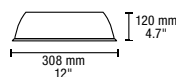
PART NO	TYPE	COMPATIBLE WITH
REF686-AL-100	ALUMINUM REFLECTOR	A1
REF686-AL-150	ALUMINUM REFLECTOR	A2
REF686-AL-200	ALUMINUM REFLECTOR	A3 & A4
REF686-PC-100	CLEAR PC REFLECTOR	A1
REF686-PC-150	CLEAR PC REFLECTOR	A2
REF686-PC-200	CLEAR PC REFLECTOR	A3 & A4
KITOSI-HD06VCRH3-A	HIGH FREQUENCY SENSOR (INTERNAL), PRE-SETTINGS: BI-LEVEL 20 MIN, 10% ¹	ALL 347 V CONFIGURATIONS
KITOSI-MC054VC2-A	HIGH FREQUENCY SENSOR (EXTERNAL), PRE-SETTINGS: ON-OFF 20 MIN ²	ALL 120-277 V CONFIGURATIONS
KIT-DSE-FD-1101	HIGH FREQUENCY SENSOR (EXTERNAL), PRE-SETTINGS: ON-OFF 20 MIN ¹	ALL 347 V CONFIGURATIONS
BKT862-100	TRUNNION (± 90°)	A1
BKT862-150	TRUNNION (± 90°)	A2
BKT862-200	TRUNNION (± 90°)	A3 & A4
HAR1047	SAFETY CABLE	A1 & A2
HAR1048	SAFETY CABLE	A3 & A4
OSI-RC-HXGY347	REMOTE CONTROL FOR HD408VRH SENSOR	KITOSI-HD06VCRH3-A AND KIT-DSE-FD-1101
OSI-RC-MH10	IR TRANSMISSION REMOTE DEVICE FOR MC609V	KITOSI-MC054VC2-A

¹ Consult factory for more settings.

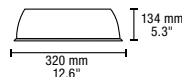
² Damp location. Consult factory for more settings.

ALUMINUM REFLECTOR SILVER 100°

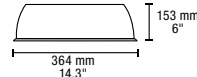
REF686-AL-100



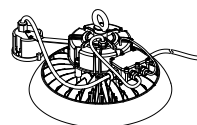
REF686-AL-150



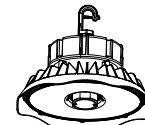
REF686-AL-200



EXTERNAL SENSOR

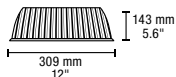


INTERNAL SENSOR

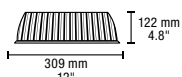


CLEAR POLYCARBONATE REFLECTOR 90°

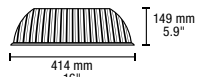
REF686-PC-100



REF686-PC-150



REF686-PC-200



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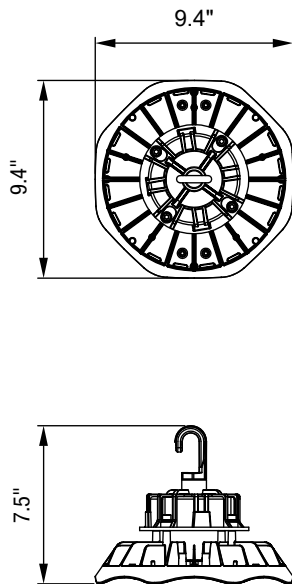
COMPATIBLE DIMMERS

BRAND	MODEL NUMBER
LUTRON	DVSTV
LUTRON	DVTV
LEVITON	DS710
COOPER	SF10P
HUBBELL	LHD-IRS3-N-WH

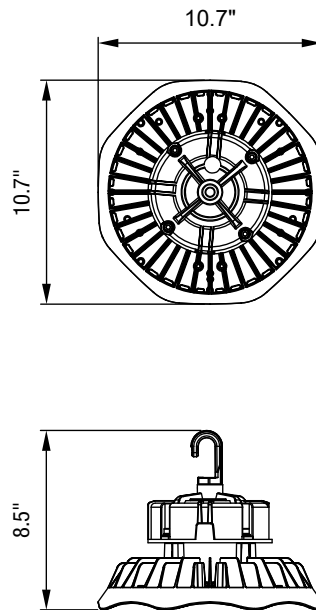
NOTE: The above table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Standard recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation. Some dimmers may require more than one product for stable operation. The maximum number of products is determined by the dimmer wattage rating with LEDs. Be careful, these dimmers have different ratings depending on the product type. Again, refer to the dimmer installation instructions.

DIMENSIONS

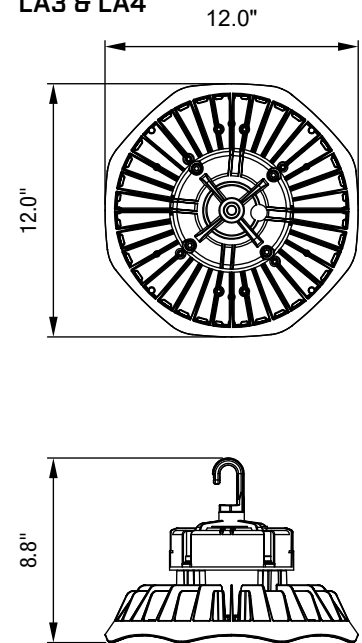
LA1



LA2



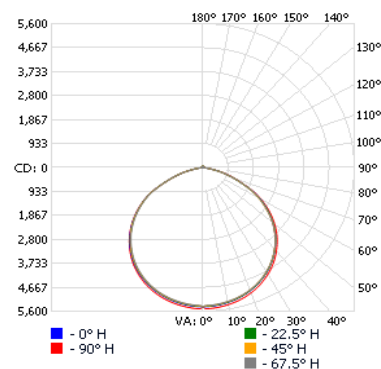
LA3 & LA4



PHOTOMETRIC DATA¹

R19H-LA1-[2-8]-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	13.3'	13.5'
8.7'	71.6	26.9'	27.3'
13.0'	32.1	40.2'	40.8'
17.3'	18.1	53.5'	54.3'
21.7'	11.5	67.0'	68.1'
26.0'	8.02	80.3'	81.6'

■ Vert. Spread: 114.2" ■ Hor. Spread: 115.0"

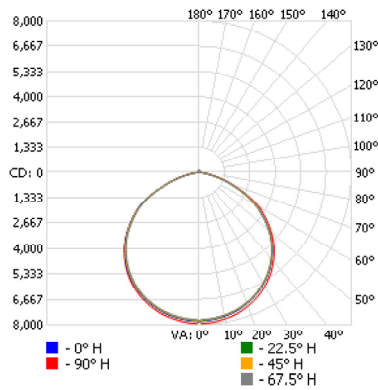
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

R19H-LA2-[2-8]-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%

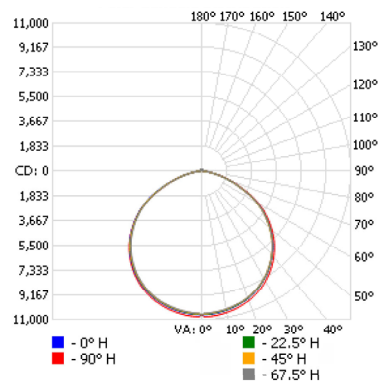
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	2 700	5.2'	5.3'
3.3'	717	10.1'	10.4'
5.0'	312	15.3'	15.7'
6.7'	174	20.5'	21.1'
8.3'	113	25.3'	26.1'
10.0'	78.0	30.5'	31.4'

■ Vert. Spread: 113.5° ■ Hor. Spread: 115.0°

R19H-LA3-[2-8]-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%

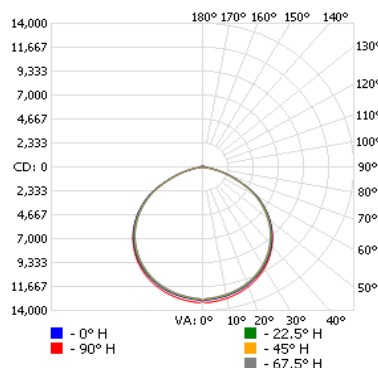
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
4.3'	575	13.2'	13.4'
8.7'	140	26.8'	27.2'
13.0'	62.9	40.0'	40.6'
17.3'	35.5	53.2'	54.1'
21.7'	22.6	66.8'	67.8'
26.0'	15.7	80.0'	81.3'

■ Vert. Spread: 113.9° ■ Hor. Spread: 114.8°

R19H-LA4-[2-8]-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'	4 505	2.5'	5.2'
3.3'	1 196	10.1'	10.0'
5.0'	521	15.3'	15.2'
6.7'	290	20.5'	20.4'
8.3'	189	25.4'	25.2'
10.0'	130	30.5'	30.4'

■ Vert. Spread: 113.6° ■ Hor. Spread: 113.3°

¹ Complete IES files available on our website.