

RHB-4G

Project Name:

Type:



APPLICATION

The RHB-4G UFO high bay is a premium round LED high bay luminaire, designed to illuminate a wide variety of settings including commercial, industrial and retail such as warehouse, manufacturing plants, logistic center and etc.

FEATURES:

- Die cast aluminum housing (painted white or black) & polycarbonate lens.

MOUNTING:

- Suspension from eyebolt (included) is standard.
- Ceiling-mounted installation using optional yoke mounting bracket, provides up to 180° of adjustability.
- Two ways to mount luminaire to electrical conduit:
 - Attach conduit (1/2" NPS) to optional yoke mounting bracket.
 - Optional pendant snap hook (for use with 3/4" NPS).

LED:

- Tri-lumen selectable delivers 16,000 to 35,000 nominal lumens (see configuration chart below).
- Long-life LEDs provide 146,000 hours of operation with at least 70% of initial lumen output (L70), and 44,000 hours with at least 90% of initial lumen output (L90).
- LED color maintenance < 0.003 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- CRI >80
- Efficacy up to 168 lm/W.
- Color temperature: 4000K or 5000K selectable

SENSOR:

- Screw in sensor ready. Sensor and remote control sold separately.

ELECTRICAL:

- 0-10V dimming standard for a dimming range of 100% to 10%.
- Incoming AC power cord = 6'. Incoming dimming cord = 6'.
- Watertight, compression-type electrical connectors.
- Power factor >0.90, 6KV surge protection.
- 120-277V, 50~60Hz standard.
- 347-480V achieved with step-down transformer (sold separately).
- Operating temperature: -40°C to 50°C (-40°F to 122°F).
- Total harmonic distortion = < 20%.

LISTING:

- UL/cUL listed for wet location.
- 5 years limited warranty.
- DLC Premium listed. ¹
- Complies with FCC Part 15, class A.
- IP65 rated for ingress protection.
- Lenses are rated IK09.
- ARRA compliant. (optional)

CONFIGURATIONS

Series	Setting	40K			50K		
		System Watts	Lumen Output	Lumen Efficiency	System Watts	Lumen Output	Lumen Efficiency
RHB-4G-150L	Low	95W	15891 lm	168 lm/W	97W	15522 lm	161 lm/W
	Mid	115W	18790 lm	163 lm/W	118W	18218 lm	155 lm/W
	High	147W	22935 lm	156 lm/W	150W	21802 lm	145 lm/W
RHB-4G-236L	Low	146W	24368 lm	167 lm/W	148W	23920 lm	161 lm/W
	Mid	192W	30801 lm	161 lm/W	196W	29953 lm	153 lm/W
	High	229W	35716 lm	156 lm/W	236W	34621 lm	147 lm/W

ELECTRICAL INFORMATION

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
RHB-4G-150L	4000K	0.79	0.40	0.34	0.96	0.48	0.42	1.23	0.61	0.53
	5000K	0.81	0.40	0.35	0.98	0.49	0.43	1.25	0.63	0.54
RHB-4G-236L	4000K	1.22	0.61	0.53	1.60	0.80	0.69	1.91	0.95	0.83
	5000K	1.23	0.62	0.53	1.63	0.82	0.71	1.97	0.98	0.85

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ORDERING INFORMATION

EXAMPLE: RHB-4G-150L-2T-UNV

MODEL	LED		COLOR TEMP.		CRI		VOLTAGE		FINISH	
RHB-4G	150L 236L	150/118/97W LED (adjustable) 236/196/148W LED (adjustable)	-2T	4000/5000K Field Selectable	(Blank)	80+ CRI	UNV HVSdT	120-277V 347-480V step down transformer for field install	(Blank) BK	White finish (Std.) Black finish (Std.)

MOUNTING		SENSOR		REFLECETORS	
(Blank)	Eyebolt	HD07VR-PH-1	PIR Occupancy sensor with dimming and daylight harvesting	ALS	90° Aluminum reflector for 150L
YKW	Yoke mount white finish	HD07VR-MH-B-1	Microwave Step-dim occupancy sensor with dimming and daylight harvesting	ALL	90° Aluminum reflector for 236L
YKB	Yoke mount black finish	HD05R	Remote control for HD07VR-PH-1 & HD07VR-MH-B-1	PRS	90° Polycarbonate reflector for 150L
PSH	Pendant snap hook		(required to change factory settings)	PRL	90° Polycarbonate reflector for 236L

OPTIONS	
ZINC	Zinc finish
ARRA	Assembled in USA for Buy American Act
SCK120	120-Inch safety cable kit
SCK196	196-Inch safety cable kit
CASAMBI	Contact factory for CASAMBI READY options

NOTES:

1. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified.
Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

PLUGS

Part number suffix	Description	For use with
P515	NEMA plug - 120V 15A	All models
P615	NEMA plug - 240V 15A	
P715	NEMA plug - 277V 15A	
P520	NEMA plug - 120V 20A	
P620	NEMA plug - 240V 20A	
P515L	NEMA plug twist-lock - 120V 15A	
P615L	NEMA plug twist-lock - 240V 15A	
P715L	NEMA plug twist-lock - 277V 15A	
P520L	NEMA plug twist-lock - 120V 20A	
P620L	NEMA plug twist-lock - 240V 20A	
P720L	NEMA plug twist-lock - 277V 20A	

* When ordering a plug, use the following suffix choices.

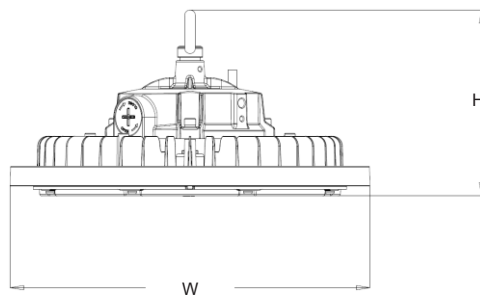
* Example: RHB-4G-150L-2T-UNV-P515

Note: plugs do not affect the ability to install sensors.

SENSOR

HD07VR-PH-1	Passive infrared sensor - maximum mounting height = 39 FT Factory settings: detection area = 100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled
HD07VR-MH-B-1	Microwave step-dimming sensor - maximum mounting height = 49 FT Factory settings: detection area = 100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled
HD05R	Remote control for HD07VR-PH-1 & HD07VR-MH-B-1 (required to change factory settings)

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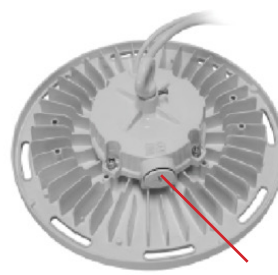
Specifications: RHB-4G-150L

Width: Ø10.6 (269)
Depth: 5.5 (139)

Specifications: RHB-4G-236L

Width: Ø13 (330)
Depth: 5.6 (142)

All dimensions are in inches (millimeters).



Wattage and CCT adjustment access

REFLECTORS



ALS



ALL



PRS



PRL

SENSOR



HD07VR-PH-1



HD07VR-MH-B-1

MOUNTING



Yoke Mount

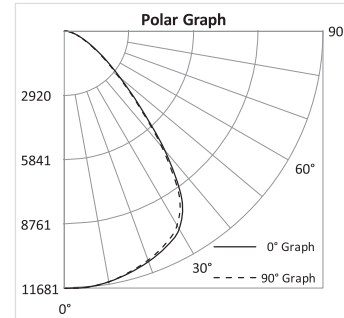
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PHOTOMETRICS

RHB-4G-150L

Luminaire Data	
Description	Round High Bay Lumen/Kelvin Selectable
Total Lumens	21803
Input Wattage	150
Efficacy (lm/W)	145
Spacing Criterion (0-180°)	1.3
Spacing Criterion (90-270°)	1.28

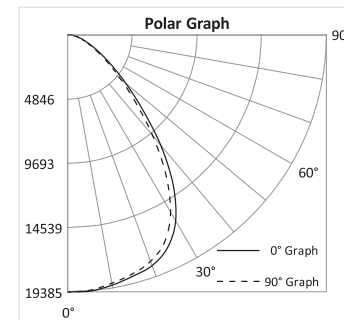
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	4293	19.7%
0-30°	9222	42.3%
0-40°	14678	67.3%
20-50°	14029	64.3%
40-70°	6597	30.3%
0-60°	20287	93.0%
0-80°	21704	99.5%
0-90°	21803	100.0%
90-180°	0	0.0%
0-180°	21803	100.0%



RHB-4G-236L

Luminaire Data	
Description	Round High Bay Lumen/Kelvin Selectable
Total Lumens	34628
Input Wattage	236
Efficacy (lm/W)	147
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.2

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	7096	20.5%
0-30°	14949	43.2%
0-40°	22917	66.2%
20-50°	21399	61.8%
40-70°	10642	30.7%
0-60°	31779	91.8%
0-80°	34413	99.4%
0-90°	34628	100.0%
90-180°	0	0.0%
0-180°	34628	100.0%



COMPATIBLE DIMMERS & CONTROLS

Manufacturer	Model Number	Dimming Range	Load Switching Capacity
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV		450W