

H15 Field-Adjustable High Bay

RAB

H15B



H15XLB



Field-Adjustable, High Bay



0-10V



100,000
HOURS

IP65

IP RATING



WET
RATED



FIELD
ADJUSTABLE

PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Selectable power:
H15: 150/120/100W
H15XL: 240/200/150W
- Selectable CCT: 3000/4000/5000K adjustable
- Input voltage: 120-277V or 480V
- Suitable for wet locations
- Battery backup sold separately: EMHB30B
- 5-year, limited warranty
- Compatible with following sensors: PIR40, MVS50, PIR40/LCB, PIR40B/LCB, MVS50/LCB, MVS50B/LCB

TECHNICAL SPECIFICATIONS

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, discrete, surface-mount LEDs

Color Consistency

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

COMPLIANCE

UL Listed

Suitable for wet locations

DLC Listed

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

Model#	DLC ID	Model#	DLC ID
H15B	S-XDBZ3C	H15B/480	S-N13W3S
H15XLB	S-H250NX	H15XLB/480	S-JHKYNW

CONSTRUCTION

Cold Weather Starting

The minimum starting temperature is -40°C (-40°F)

Cold Weather Starting for Battery Backup

The minimum starting temperature is 0°C (32°F)

Maximum Ambient Temperature

Suitable for use in up to 50°C (122°F)

Maximum Ambient Temperature for Battery Backup

Suitable for use in up to 50°C (122°F)

Mounting

Comes standard with a hanging hook and a 6-foot cord. Heavy-duty 3/4"-14 NPT hook and 3/4"-14 pendant mount capable (pendant by others).

Housing

Precision die-cast aluminum

Lens

Polycarbonate

Reflector

Polycarbonate with aluminum plating

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

Formulated for high durability and long lasting color

IP Rating:

Ingress protection rating of IP65 for dust and water

H15 Field-Adjustable High Bay



TECHNICAL SPECIFICATIONS (CONTINUED)

ELECTRICAL

Drivers:

Constant Current, Class 1, 120-277V, 50/60 Hz

H15B:

150W: 120V: 1.25A, 208V: 0.72A, 240V: 0.63A, 277V: 0.55A

120W: 120V: 0.98A, 208V: 0.57A, 240V: 0.50A, 277V: 0.44A

100W: 120V: 0.84A, 208V: 0.49A, 240V: 0.43A, 277V: 0.38A

H15XLB:

240W: 120V: 2.00A, 208V: 1.14A, 240V: 1.00A, 277V: 0.87A

200W: 120V: 1.65A, 208V: 0.95A, 240V: 0.83A, 277V: 0.72A

150W: 120V: 1.20A, 208V: 0.71A, 240V: 0.62A, 277V: 0.55A

Constant Current, Class 1, 480V, 50/60 Hz

H15B:

150W: 480V: 0.33A

120W: 480V: 0.27A

100W: 480V: 0.23A

H15XLB:

240W: 480V: 0.52A

200W: 480V: 0.43A

150W: 480V: 0.33A

Dimming Driver:

Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.

Battery Backup:

Battery backup will operate the LED Lamp for 90 minutes if power falls.

Wired for 120-277V.

Emergency Light Loss Factor:

H15B:

150W: 22.43%

120W: 26.88%

100W: 30.75%

H15XLB:

240W: 15.09%

200W: 17.43%

150W: 21.49%

Surge Protection:

6kV + 6kV

THD: @4000K

H15B:

150W: 3.1% at 120V, 7.8% at 277V

120W: 3.5% at 120V, 8.6% at 277V

100W: 3.8% at 120V, 10.0% at 277V

ELECTRICAL (CONTINUED)

H15XLB:

240W: 2.0% at 120V, 7.5% at 277V

200W: 2.3% at 120V, 9.1% at 277V

150W: 2.6% at 120V, 12.5% at 277V

H15B:

150W: 9.82% at 480V

120W: 13.5% at 480V

100W: 16.4% at 480V

H15XLB:

240W: 5.9% at 480V

200W: 9.3% at 480V

150W: 14.5% at 480V

Power Factor: @4000K

H15B:

150W: 99.8% at 120V, 95.2% at 277V

120W: 99.7% at 120V, 93.2% at 277V

100W: 99.6% at 120V, 90.8% at 277V

H15XLB:

240W: 99.9% at 120V, 96.2% at 277V

200W: 99.8% at 120V, 95.0% at 277V

150W: 99.7% at 120V, 92.3% at 277V

H15B:

150W: 93.7% at 480V

120W: 91.0% at 480V

100W: 88.3% at 480V

H15XLB:

240W: 96.2% at 480V

200W: 94.7% at 480V

150W: 91.8% at 480V

PERFORMANCE

Lifespan

100,000 Hour LED lifespan based on IES LM-80 results and TM-21 calculations

OTHER

Warranty

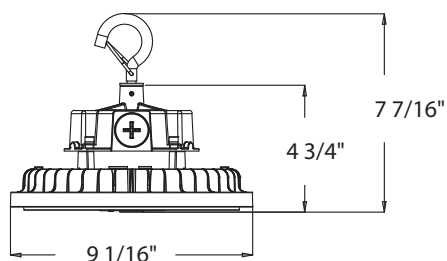
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

DIMENSIONS

H17B (150/120/100W)

Weight (120-277V): 4.1 lbs

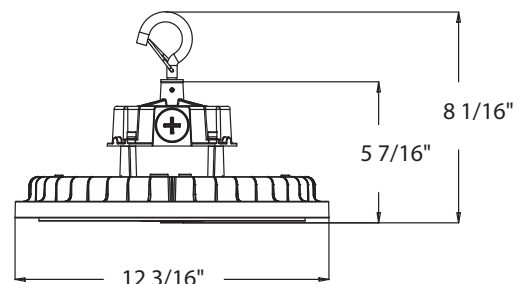
Weight (480V): 5.0 lbs



H17XL (240/200/150W)

Weight (120-277V): 6.4 lb

Weight (480V): 6.6 lbs



H15 Field-Adjustable High Bay



PERFORMANCE

H15B	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			120W			100W		
Input Watts	155.1W	147.5W	154.5W	120.6W	116.3W	121.2W	98.1W	95.1W	98.3W
Lumens	20,675	23,024	21,570	17,214	18,929	18,229	14,708	15,953	15,488
Lm/W	133.3	156.1	139.6	142.7	162.8	150.4	149.9	167.7	157.6
CRI	81	83	82	81	83	82	81	83	82
Voltage Ratings	120-277V								

H15B/480	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			120W			100W		
Input Watts	152.8W	145.8W	151.9W	121.6W	117.4W	121.3W	102.3W	99.0W	102.0W
Lumens	20,793	23,066	21,558	17,350	19,037	18,111	15,049	16,279	15,733
Lm/W	136.1	158.2	141.9	142.7	162.2	149.3	147.1	164.4	154.2
CRI	80	83	82	80	83	82	80	83	82
Voltage Ratings	480V								













H15XLB	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	240W			200W			150W		
Input Watts	236.5W	225.8W	236.8W	195.5W	187.8W	195.9W	146.8W	142.1W	147.0W
Lumens	31,998	35,618	33,753	27,899	30,592	29,282	22,427	24,142	23,552
Lm/W	135.3	157.7	142.5	142.7	162.9	149.5	152.8	169.9	160.2
CRI	81	84	82	81	84	82	82	84	82
Voltage Ratings	120-277V								

H15XLB/480	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	240W			200W			150W		
Input Watts	237.6W	225.7W	236.3W	194.9W	186.8W	194.4W	147.0W	142.1W	146.8W
Lumens	32,761	36,125	34,148	28,210	30,688	29,340	22,425	24,021	23,373
Lm/W	137.9	160.1	144.5	144.7	164.3	150.9	152.6	169.0	159.2
CRI	80	83	82	80	83	82	81	83	82
Voltage Ratings	480V								

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ACCESSORIES

Image	SKU#	UPC	Description	Weight
	PIR20B	192552042284	LOW CEILING LOW VOLTAGE PIR SENSOR BLACK	0.10
	PIR20B/LCB	192552042260	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH PIR BLACK	0.10
	PIR40B	192552042307	HIGH CEILING LOW VOLTAGE PIR SENSOR BLACK	0.10 lb
	PIR40B/LCB	192552036917	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/PIR BLACK	0.12 lb
	MVS20B	192552042291	LOW CEILING LOW VOLTAGE MVS SENSOR BLACK	0.10
	MVS20B/LCB	192552042277	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH MVS BLACK	0.10
	MVS50B	192552042314	HIGH CEILING LOW VOLTAGE MVS SENSOR BLACK	0.10 lb
	MVS50B/LCB	192552036924	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/MVS BLACK	0.14 lb
	EMHB30B	192552036412	EMERGENCY BATTERY BACKUP FOR HIGHBAY 30W 150W-240W BLACK	5.21 lbs
	EMHB60B	192552036450	EMERGENCY BATTERY BACKUP FOR HIGHBAY 60W 500W BLACK	5.21 lbs
	EMHB30B/LCB	192552036436	EMERGENCY BATTERY BACKUP 30W 150W-240W BLACK W/LCB BLACK	5.21 lbs
	EMHB60B/LCB	192552036474	EMERGENCY BATTERY BACKUP 60W 500W BLACK W/LCB BLACK	5.21 lbs
	EMHB40B/480	192552016841	EMERGENCY BATTERY BACKUP 60W 500W BLACK W/LCB BLACK	7.8 lbs
	MSR1	192552026055	MULTI SENSOR REMOTE IP20	0.25 lb

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ORDERING MATRIX

H15

Family	Size/Wattage		Color Temperature		Finish	Voltage Ratings	
H15					B		
	BLANK XL	(150/120/100W) Power Selectable (240/200/150W) Power Selectable	BLANK	3000/4000/5000K, CCT Selectable	B Black	BLANK /480	0-10V Dimming,120-277V 0-10V Dimming, 480V