H17 Field-Adjustable High Bay

H17S (100/80/60W) & H17 (150/120/100W)

H17XL (240/200/150W)

H17XXL (500/400/300W)

PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR LIMITED WARRANTY

DLC LISTED PREMIUM

UL CERTIFIED

KEY FEATURES

- Selectable wattages:
  H17S: 100/80/60W, **H17:** 150/120/100W,
  H17XL: 240/200/160W and **H17XXL:** 500/400/300W
- Selectable CCT: **3000/4000/5000K** adjustable
- Static CCT **4000K** and **5000K** option for **H17** and **H17XL** models in 480V only
- **Suitable for wet** locations
- Comes with **expansion port** for sensors
- **PIR** and **microwave** sensor kits available
- Kits available for **surface mount** or **pendant mount**
- 8 ft **cord & plug** options available
- DLC **Premium** listed
- 5-years, limited warranty
- Available accessories: **Aluminum** and **polycarbonate reflector, wireguard** and **drop lens** available for H17S, H17, H17XL
- **Aluminum reflector, wireguard** available for H17XXL

Field-Adjustable, high bay

0-10V

100,000 HOURS

IP65
IP RATING

WET RATED

FIELD ADJUSTABLE

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
H17S	S-15S3PM	H17/480	S-B4L152
H17	S-2WSD94	H17N/480	S-926SZD
H17XL	S-HM0N2X	H17XL/480	S-5U04JR
H17XXL	S-YB69RP	H17XLN/480	S-57F2C6
		H17XXL/480	S-Z168KT

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/Aluminum

Cord & Plug
Optional 6ft cord with NEMA L5-15P plug for 120V, NEMA L7-15P plug for 277V and NEMA L8-20P plug for 480V available

TECHNICAL SPECIFICATIONS (CONTINUED)

CONSTRUCTION (CONTINUED)

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

ELECTRICAL

Drivers:
Constant Current, Class 1, 120-277V, 50/60 Hz,
H17S:
100W: 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A
80W: 120V: 0.67A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A
60W: 120V: 0.50A, 208V: 0.29A, 240V: 0.25A, 277V: 0.22A
H17:
150W: 120V: 1.24A, 208V: 0.72A, 240V: 0.63A, 277V: 0.54A
120W: 120V: 1.03A, 208V: 0.58A, 240V: 0.51A, 277V: 0.44A
100W: 120V: 0.86A, 208V: 0.50A, 240V: 0.43A, 277V: 0.37A
H17XL:
240W: 120V: 2.01A, 208V: 1.16A, 240V: 1.00A, 277V: 0.87A
200W: 120V: 1.69A, 208V: 0.98A, 240V: 0.85A, 277V: 0.73A
150W: 120V: 1.25A, 208V: 0.72A, 240V: 0.63A, 277V: 0.54A
H17XXL:
500W: 120V: 4.17A, 208V: 2.40A, 240V: 2.08A, 277V: 1.80A
400W: 120V: 3.30A, 208V: 1.90A, 240V: 1.67A, 277V: 1.44A
300W: 120V: 2.50A, 208V: 1.40A, 240V: 1.25A, 277V: 1.08A

Constant Current, Class 1, 480V, 50/60 Hz,
H17:
150W: 480V: 0.31A
120W: 480V: 0.25A
100W: 480V: 0.21A
H17XL:
240W: 480V: 0.5A
200W: 480V: 0.42A
150W: 480V: 0.31A
H17XXL:
500W: 480V: 1.00A
400W: 480V: 0.83A
300W: 480V: 0.63A

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

THD: @5000K
100W : 4.55% at 120V, 9.5% at 277V
120W : 4.4% at 120V, 9.2% at 277V
150W : 4.45% at 120V, 9.08% at 277V
160W : 5.2% at 120V, 6.80% at 277V
200W : 5.15% at 12oV, 6.70% at 277V
240W : 5.19% at 120V, 6.73% at 277V

Power Factor: @5000K
100W : 99.9% at 120V, 94.5% at 277V
120W : 99.7% at 120V, 94.0% at 277V
150W : 99.9% at 120V, 94.7% at 277V
160W : 99.9% at 120V, 94.5% at 277V
200W : 99.7% at 120V, 94.0% at 277V
240W : 99.8% at 120V, 95.9% at 277V

Battery Backup:
Battery backup will operate the LED Lamp for 90 minutes if power falls. Wired for 120-277V.

ELECTRICAL (CONTINUED)

Emergency Light Loss factor:
H17S:
100W: 30.0%
80W: 37.5%
160W: 50.0%
H17:
150W: 20.0%
120W: 25.0%
100W: 30.0%
H17XL:
240W: 12.5%
200W: 15.0%
150W: 20.0%
H17XXL:
500W: 12.0%
400W: 15.0%
300W: 20.0%

Surge Protection:
H17S, H17, H17XL: 4kV + 6kV
H17XXL: 6kV + 10kV

Note: All val;ues are typical (tolerance +/- 10%)

LIGHTCLOUD BLUE (ACCESSORY)

Lightcloud Blue-enabled:
Lightcloud Blue (LCB) is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.lightcloud.com

OCCUPANCY SENSORS (ACCESSORIES)

Sensor Type: Passive Infrared (PIR) or Microwave (MVS)

Input Voltage: 12VDC

Operating Frequency: 50/60Hz

Input Current: 30mA

Operating Temperature: -40°F to 140°F (-20°C to 60°C)

Max Mounting Height: 40 ft. (PIR); 50 ft (MVS)

Detection Range: PIR: 40 ft. diameter mounted at 40 ft. (/PIR & /LCBS); MVS: 50 ft. diameter mounted at 50 ft. (/MVS & /LCBS/MVS); PIR20[B][/LCB] and MVS20[B][/LCB] 20 ft. diameter mounted at 9 ft. (sold separately)

Daylight Sensing: The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set.

Default Settings:
Motion Sensitivity: High
Brightness when triggered : 100%
Hold time: 1 minute (20 minutes for LCB sensors)
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Adjustable Settings: Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote to adjust the following sensor settings:
Standby to dim: 10%/20%/30%/50%
Standby time: 0s/10s/30s/1min/5min/10min/30min/60min/+∞

Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

H17 Field-Adjustable High Bay

TECHNICAL SPECIFICATIONS (CONTINUED)

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.

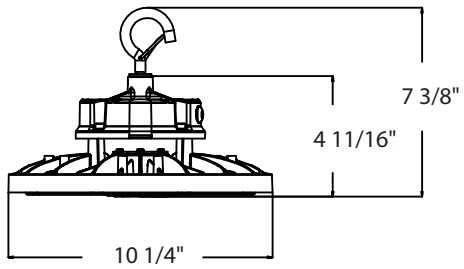
DIMENSIONS

H17S (100/80/60W)

Weight: 4.7 lbs

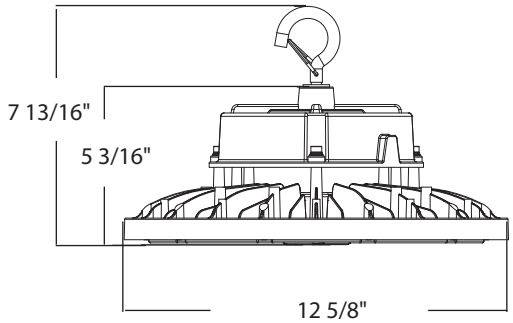
H17 (150/120/100W)

Weight: 4.7 lbs



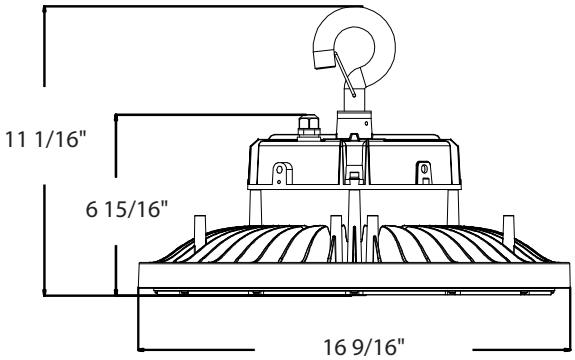
H17XL (240/200/160W)

Weight: 7.0 lbs



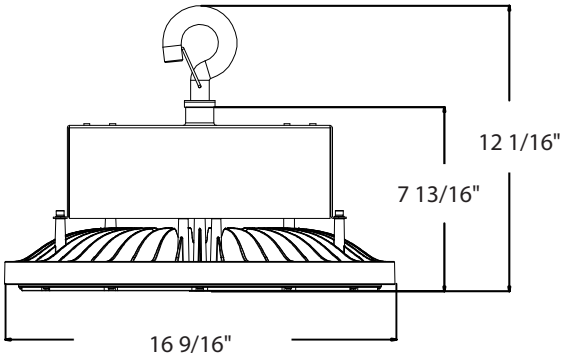
H17XXL (500/400/300W)

Weight: 17.4 lbs



H17XXL /480 (500/400/300W)

Weight: 17.4 lbs



H17 Field-Adjustable High Bay

PERFORMANCE

H17S	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		100W			80W			60W	
Input Watts	94.9W	91.9W	95.9W	77.1W	74.2W	78W	59.8W	57.8W	59.6W
Lumens	13,570	14,959	14,509	11,364	12,343	12,248	9,205	9,816	9,710
Lm/W	143.1	162.8	151.3	147.5	166.4	157.0	154.0	169.9	162.9
CRI	81	83	81	81	83	81	81	83	81
Voltage Ratings	120-277V								

H17	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		150W			120W			100W	
Input Watts	149W	144W	149W	123W	119W	123W	10WW	101W	104W
Lumens	20,890	22,224	21,138	18,028	19,765	19,142	15,317	17,088	16,629
Lm/W	140.0	155.0	142.0	146.0W	166.0	156.0	152.0	169.0	161.0
CRI	83	85	84	83	86	84	84	83	84
Voltage Ratings	120-277V								

H17XL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		240W			200W			150W	
Input Watts	242W	239W	241W	201W	203W	200W	150W	146W	150W
Lumens	32,758	37,253	34,973	28,698	32,621	30,216	22,696	24,654	24,336
Lm/W	136	156	145	143	161	151	151	168	162
CRI	83	86	84	82	85	84	82	85	84
Voltage Ratings	120-277V								

H17XXL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		500W			400W			300W	
Input Watts	489.5W	467.5W	489.8W	402.6W	387.8W	402.4W	302.4W	292.8W	302.4W
Lumens	76,465	79,203	72,165	65,645	67,248	62,121	51,806	52,120	49,020
Lm/W	156.2	169.4	147.3	163.1	173.4	154.4	171.3	178.0	162.3
CRI	92	84	81	92	84	81	92	84	81
Voltage Ratings	120-277V								

H17XXL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		500W			400W			300W	
Input Watts	476.3W	458.6W	477.0W	398.5W	384.8W	399.1W	301.9W	293.1W	301.3W
Lumens	71,593	78,763	75,887	62,135	67,178	65,815	48,951	52,028	51,718
Lm/W	150.3	171.7	159.1	155.9	174.6	164.9	162.1	177.5	171.1
CRI	81	84	83	81	84	83	81	84	83
Voltage Ratings	480V								

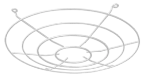
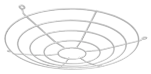
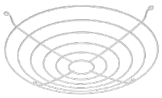
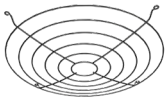
H17 Field-Adjustable High Bay

ACCESSORIES

Image	SKU#	UPC	Description	Weight
	H17-RAL	192552022071	H17 ALUMINUM REFLECTOR	0.89 lb
	H17XL-RAL	192552022088	H17XL ALUMINUM REFLECTOR	1.11 lbs
	H17XXL-RAL	192552034982	H17XXL ALUMINUM REFLECTOR	1.93 lbs
	H17-RPC	192552022095	H17 PC REFRACTOR	1.2 lbs
	H17XL-RPC	192552022101	H17XL PC REFRACTOR	1.33 lbs
	H17-SM KIT	192552022040	H17 YOKE SURFACE MOUNT WHITE	1.04 lbs
	H17XXL-SM KIT	192552034968	H17XXL YOKE SURFACE MOUNT WHITE	1.78 lbs
	H17B-SM KIT	192552034890	H17 YOKE SURFACE MOUNT BLACK	1.04 lbs
	H17XXLB-SM KIT	192552034975	H17XXL YOKE SURFACE MOUNT BLACK	1.78 lbs
	H17-PM KIT	192552022064	PENDANT MOUNT KIT WHITE	0.23 lb
	H17XXL-PM KIT	192552034944	PENDANT MOUNT KIT WHITE	0.62 lb
	H17B-PM KIT	192552034883	PENDANT MOUNT KIT BLACK	0.23 lb
	H17XXLB-PM KIT	192552034951	PENDANT MOUNT KIT BLACK	0.62 lb

H17 Field-Adjustable High Bay

ACCESSORIES (CONTINUED)

Image	SKU#	UPC	Description	Weight
	H17-RDL	192552022132	H17 DROP LENS	1.2 lbs
	H17XL-RDL	192552022149	H17XL DROP LENS	1.2 lbs
	H17-WG	192552022118	H17 WIREGUARD WHITE	0.4 lb
	H17XL-WG	192552022125	H17XL WIREGUARD WHITE	0.47 lb
	H17XXL-WG	192552034920	H17XXL WIREGUARD WHITE	0.58 lb
	H17B-WG	192552034906	H17 WIREGUARD BLACK	0.4 lb
	H17XLB-WG	192552034913	H17XL WIREGUARD BLACK	0.47 lb
	H17XXLB-WG	192552034937	H17XXL WIREGUARD BLACK	0.58 lb
	MVS50	192552025997	HIGH CEILING LOW VOLTAGE MVS SENSOR WHITE	0.10 lb
	MVS50/LCB	192552014168	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/MVS WHITE	0.14 lb
	MVS50B/LCB	192552036924	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/MVS BLACK	0.14 lb
	PIR40	192552026000	HIGH CEILING LOW VOLTAGE PIR SENSOR WHITE	0.10 lb
	PIR40/LCB	192552014151	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/PIR WHITE	0.12 lb
	PIR40B/LCB	192552036917	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER W/PIR BLACK	0.12 lb
	MVS50B	192552042314	HIGH CEILING LOW VOLTAGE MVS SENSOR BLACK	0.10 lb

ACCESSORIES (CONTINUED)

Image	SKU#	UPC	Description	Weight
	PIR40B	192552042307	HIGH CEILING LOW VOLTAGE PIR SENSOR BLACK	0.10 lb
	PIR20	192552026024	LOW CEILING LOW VOLTAGE PIR SENSOR WHITE	0.10
	PIR20/LCB	192552042246	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH PIR WHITE	0.10
	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
	MVS20	192552026017	LOW CEILING LOW VOLTAGE MVS SENSOR WHITE	0.10
	MVS20/LCB	192552042253	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH MVS WHITE	0.10
	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
	MSR1	192552026055	MULTI SENSOR REMOTE IP20	0.25 lb
	EMHB30	192552030137	EMERGENCY BATTERY BACKUP FOR HIGHBAY 30W 150W-240W WHITE	5.21 lbs
	EMHB60	192552036443	EMERGENCY BATTERY BACKUP FOR HIGHBAY 60W 500W WHITE	5.21 lbs
	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

ACCESSORIES (CONTINUED)

Image	SKU#	UPC	Description	Weight
	EMHB30/LCB	192552036429	EMERGENCY BATTERY BACKUP 30W 150W-240W WHITE W/LCB WHITE	5.21 lbs
	EMHB60/LCB	192552036467	EMERGENCY BATTERY BACKUP 60W 500W WHITE W/LCB WHITE	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

ORDERING MATRIX

H17 (Field-Adjustable Models)

Family	Wattage	Mounting	Color Temperature	Finish		Options
H17						
	S (100/80/60W) Adjustable	BLANK Hook	BLANK 3000/4000/5000K Adjustable	BLANK White	BLANK 120-277V, 0-10V Dimming	BLANK No Option
	BLANK (150/120/100W) Adjustable			B Black	/480 480V,* 0-10V Dimming	/LCBS Lightcloud Blue Enabled w/PIR sensor
	XL (240/200/160W) Adjustable					/6CP 6' Cord, Straight Blade** Plug 120V, NEMA 5-15P
	XXL (500/400/300W) Adjustable					/6CP2 6' Cord, Straight Blade** Plug 120V, NEMA 5-15P
						/6CPT4 6' Cord, Twistlock Plug*** 480V, nema L8-20P

H17 (Static Models)

Family	Wattage	Mounting	Color Temperature	Finish		Voltage Ratings
H17						
	BLANK 150W	BLANK HooK	BLANK 5000K	BLANK White	/480	0-10V Dimming, 480V
	XL 240W		N 4000K	B Black	/LCBS	Lightcloud Blue Enabled w/PIR Sensor

* *Only available for XXL model*
** *Only available on 120-277V*
*** *Only available on 480V*