

H17 Field-Adjustable High Bay



H17S / H17



H17XL



H17XXL



Field-adjustable, high bay



PROJECT:

DATE:

TYPE:

PREPARED BY:



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
- 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
- Available accessories: Aluminum and polycarbonate reflector,
wireguard and drop lens available for H17S, H17, H17XL
Aluminum reflector, wireguard available for H17XXL
- 5-year, limited warranty

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	100W	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								

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PERFORMANCE

H17	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	150W			120W			100W		
Input Watts	153W	147W	153W	122W	118W	122W	102W	99W	102W
Lumens	20587	22999	22090	17154	18807	18606	14643	15924	15844
Lm/W	135.0	156.2	144.4	141.0	159.1	152.3	144.0	160.8	155.5
CRI	80	83	81	81	83	81	81	83	80
Voltage Ratings	480V								

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								

H17XL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	240W			200W			150W		
Input Watts	239W	229W	239W	197W	191W	198W	149W	146W	149W
Lumens	32607	36230	35119	27849	30781	30158	22041	23898	23831
Lm/W	136.3	157.9	146.9	141.3	161.4	152.6	148.3	164.1	160.0
CRI	80	83	81	81	83	81	81	83	81
Voltage Ratings	480V								

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								

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-47I1ZQ		
H17	S-AXTFS7	H17/480	S-S368D
H17XL	S-LED17S	H17XL/480	S-KP5QV6
H17XXL	S-YB69RP	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 6-foot cord for hook mounting only.

Pendant mounting requires the H17-PM KIT accessory (sold separately) — the fixture cannot be pendant mounted without it. The H17-PM KIT connects the fixture to a 3/4" NPT pendant mount (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

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 (Default)

H17S: 4.55% at 120V, 9.5% at 277V

H17: 3.25% at 120V, 5.6% at 277V

H17XL: 4.89% at 120V, 9.64% at 277V

H17XXL: 3.95% at 120V, 7.41% at 277V

H17: 10.14% at 480V

H17XL: 6.67% at 480V

H17XXL: 6.72% at 480V

Power Factor(Default)

H17S: 99.7% at 120V, 90.9% at 277V

H17: 99.71% at 120V, 93.05% at 277V

H17XL: 99.78% at 120V, 93.12% at 277V

H17XXL: 99.7% at 120V, 95.5% at 277V

H17: 93.8% at 480V

H17XL: 97.53% at 480V

H17XXL: 95.2% at 480V

TECHNICAL SPECIFICATIONS (CONTINUED)

ELECTRICAL (CONTINUED)

Battery Backup:

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

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 values are typical (tolerance +/- 10%)

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

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

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.

Lifespan

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

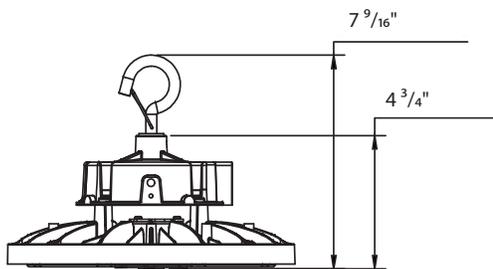
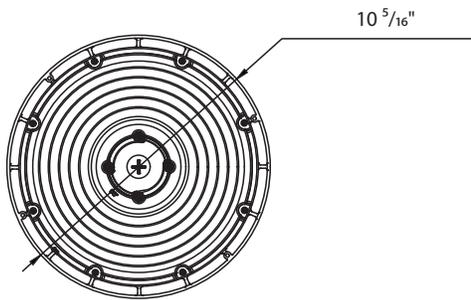
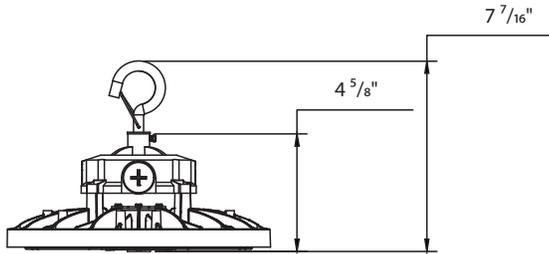
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DIMENSIONS

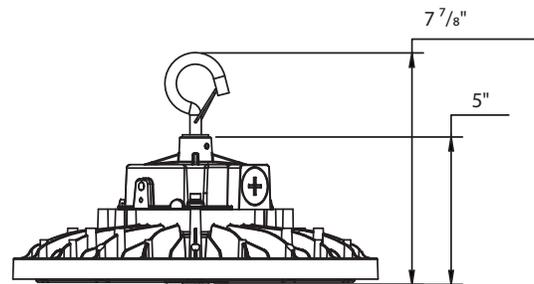
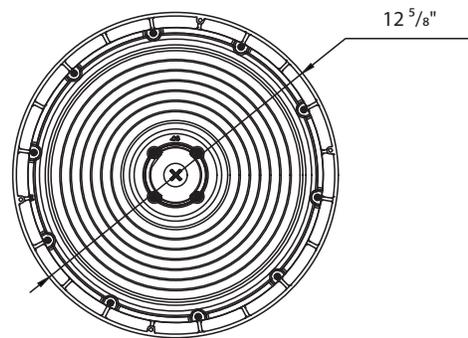
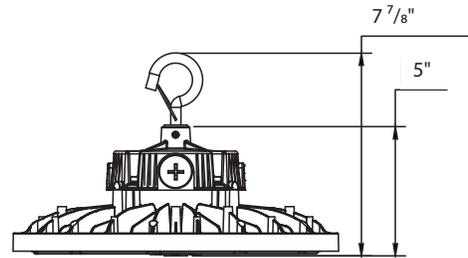
H17S (100/80/60W) H17 (150/120/100W)

Weight: 4.7 lbs



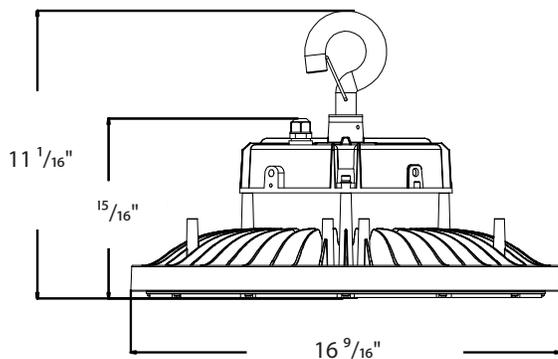
H17XL (240/200/160W)

Weight: 7.0 lbs



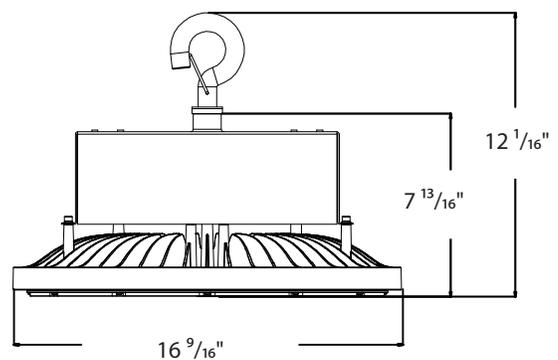
H17XXL (500/400/300W)

Weight: 17.4 lbs



H17XXL /480 (500/400/300W)

Weight: 17.4 lbs



H17 Field-Adjustable High Bay



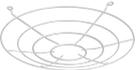
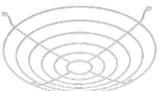
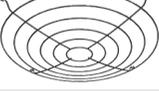
ACCESSORIES

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-DDL	192552048576	H17 DOME DROP LENS 150W CLEAR	0.87 lb
	H17-DWG	192552048590	H17 DOME WIRED GUARD 150W WHITE	0.86 lb
	H17XL-DDL	192552048583	H17XL DOME DROP LENS 240W CLEAR	1.32 lbs
	H17XL-DWG	192552048606	H17XL DOME WIRED GUARD 240W WHITE	1.1 lbs

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

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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

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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

Family	Wattage	Mounting	Color Temperature	Finish	Driver	Options
H17						
S BLANK XL XXL	100/80/60W 150/120/100W 240/200/160W 500/400/300W	BLANK Hook	BLANK 3000/4000/5000K CCT Adjustable	BLANK White B Black	BLANK 120-277V, 0-10V Dimming 480V, ¹ /480 0-10V Dimming	BLANK No Option /LCBS Lightcloud Blue Enabled /6CP 6' Cord, Straight Blade ² Plug 120V, NEMA 5-15P /6CP2 6' Cord, Straight Blade ² Plug 120V, NEMA 5-15P /6CPT4 6' Cord, Twistlock Plug ³ 480V, nema L8-20P

¹ Only available on models with 150W and up

² Only available on 120-277V

³ Only available on 480V