

RBAY17 Field-Adjustable, Linear High Bay



RBAY17S



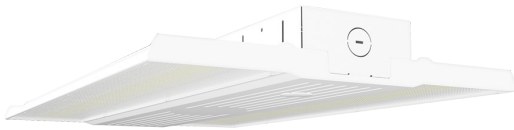
PROJECT:

DATE:

TYPE:

PREPARED BY:

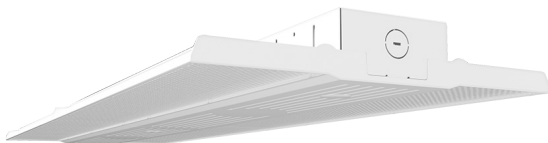
RBAY17M



KEY FEATURES

- Low-profile, lightweight, field-adjustable high bay
- Available in three different sizes with selectable wattage and CCT to give you 9 SKUs in 1
 - RBAY17S : 14" (130/100/80W) - Default wattage: 130W
 - RBAY17M: 20" (260/220/160W) - Default wattage: 260W
 - RBAY17L: 39" (400/320/260W) - Default wattage: 400W
- High output available on small and medium models:
 - RBAY17SHO: (130/100/80W) - Default wattage: 130W
 - RBAY17MHO: (260/220/160W) - Default wattage: 260W
- CCT: 3500/4000/5000K - Default CCT: 4000K (not for HO models)
CCT: 4000/5000K - Default CCT: 4000K (only for HO models)
- Voltage rating: 120-277V, 480V available.
- Includes a sensor port to easily install standard or Lightcloud Blue enabled PIR/MVS sensors.
- Wire guards, surface and pendant mount kits available
- Battery backup available
- 5-year, limited warranty

RBAY17L



Field-adjustable, linear high bay



PERFORMANCE

RBAY17S	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	135W			100W			80W		
INPUT WATTS	135.8W	132.7W	134.2W	104.0W	101.3W	104.2W	81.6W	79.5W	81.8W
LUMENS	19,003	20,350	19,620	15,794	16,693	16,271	12,758	13,284	13,176
EFFICACY	139.9	153.4	146.3	151.8	164.8	156.2	156.3	167.0	161.1
CRI	83	85	85	84	85	84	84	85	84
VOLTAGE RATING	120-277V			120-277V			120-277V		

RBAY17S/480	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	135W			100W			80W		
INPUT WATTS	130.7W	128.2W	131.3W	100.5W	97.9W	100.8W	82.3W	80.4W	82.4W
LUMENS	19,166	20,502	19,680	14,734	15,490	15,071	12,301	12,814	12,603
EFFICACY	146.7	160.0	149.9	146.6	158.3	149.5	149.5	159.3	152.9
CRI	82	85	85	84	85	84	84	85	84
VOLTAGE RATING	480V			480V			480V		

RBAY17 Field-Adjustable, Linear High Bay



PERFORMANCE

RBAY17SHO	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K
WATTAGE	130W	130W	100W	100W	80W	80W	130W	130W	100W	100W	80W	80W
INPUT WATTS	132.3	135.1	105.1	107.0	82.2	83.4	131.2	133.6	102.6	104.3	84.8	86.0
LUMENS	20,799	20,641	16,845	16,851	13,335	13,445	20,965	20,776	16,620	16,611	13,780	13,849
EFFICACY	157.2	152.8	160.3	157.5	162.2	161.2	159.8	155.5	162.0	159.3	162.5	161.0
CRI	85	85	85	85	85	84	85	85	85	85	85	85
VOLTAGE RATING	120-277V						480V					

RBAY17M	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	260W			220W			160W		
INPUT WATTS	256.3	249.6	256.6	219.0	212.7	220.0	163.3	158.9	163.4
LUMENS	36,939	39,200	37,829	32,726	34,430	33,604	25,587	26,434	25,950
EFFICACY	144.2	157.1	147.4	149.4	161.9	152.7	156.7	166.4	158.8
CRI	82	85	85	84	85	84	84	85	84
VOLTAGE RATING	120-277V			120-277V			120-277V		

RBAY17M/480	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	260W			220W			160W		
INPUT WATTS	255.9W	251.1W	256.7W	216.5W	211.2W	216.7W	157.5W	154.3W	158.3W
LUMENS	37,699	40,003	39,010	33,032	34,941	34,169	24,918	26,040	25,869
EFFICACY	147.3	159.3	152.0	152.6	165.5	157.7	158.2	168.8	163.4
CRI	82	85	85	84	85	84	84	85	84
VOLTAGE RATING	480V			480V			480V		

RBAY17MHO	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K
WATTAGE	260W	260W	220W	220W	160W	160W	260W	260W	220W	220W	160W	160W
INPUT WATTS	252.0	256.7	219.8	223.6	158.6	160.6	248.9	253.2	215.6	218.9	158.8	160.6
LUMENS	40,950	40,627	36,157	36,110	26,784	26,912	41,541	41,259	36,380	36,292	27,163	27,312
EFFICACY	162.5	158.3	164.5	161.5	168.9	167.6	166.9	163.0	168.7	165.8	171.1	170.1
CRI	85	85	85	85	85	85	85	84	85	85	85	85
VOLTAGE RATING	120-277V						480V					

RBAY17L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	400W			320W			260W		
INPUT WATTS	389.1W	379.8W	390.4W	318.5W	309.6W	320.3W	261.8W	254.8W	262.3W
LUMENS	54,593	58,737	56,258	45,847	48,606	47,599	39,067	40,774	40,042
EFFICACY	140.3	154.6	144.1	144.0	157.0	148.6	149.2	160.0	152.7
CRI	83	85	85	82	84	84	82	84	84
VOLTAGE RATING	120-277V			120-277V			120-277V		

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PERFORMANCE

RBAY17L/480	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
WATTAGE	400W			320W			260W		
INPUT WATTS	385.0W	378.9W	383.3W	319.7W	311.5W	319.8W	260.0W	253.7W	260.3W
LUMENS	55,317	59,358	56,685	46,832	49,565	47,247	39,501	41,028	40,236
EFFICACY	143.7	156.7	147.9	146.5	159.1	147.7	151.9	161.7	154.6
CRI	83	85	85	84	85	84	84	85	84
VOLTAGE RATING	480V			480V			480V		

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for damp 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
RBAY17S	S-ZU7Y5J	RBAY17S/480	S-GXE4FJ
RBAY17SHO	S-8NRCDF	RBAY17SHO/480	S-BFZY5D
RBAY17M	S-Z1IKA0	RBAY17M/180	S-8ND5IX
RBAY17MHO	S-LQ8YZ5	RBAY17MHO/480	S-JRQXW3
RBAY17L	S-7C523X	RBAY17L/480	S-0JQXZI

CONSTRUCTION

Cold Weather Starting

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

Cold Weather Starting for Battery Backup

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

Maximum Ambient Temperature

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

Maximum Ambient Temperature for Battery Backup

Suitable for use in up to 113°F (45°C)

Lens

Polycarbonate lens

Housing

Die-cast aluminum

Reflector

Polycarbonate

IP Rating

IP20 rated

Mounting

Comes standard with V-hooks for chain mounting. Accessories available for pendant and surface mounting (purchased separately).

Cord & Plug

Optional 8ft cord or 8ft cord with NEMA L5-15P plug for 120V, NEMA L7-15P plug for 277V and NEMA L8-20P plug for 480V available

CONSTRUCTION (CONTINUED)

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

Formulated for high durability and long lasting color

ELECTRICAL

Drivers:

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

RBAY17S

80W: 120V: 0.66A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

100W: 120V: 0.82A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A

130W: 120V: 1.08A, 208V: 0.63A, 240V: 0.54A, 277V: 0.47A

RBAY17SHO

80W: 120V: 0.82A, 208V: 0.49A, 240V: 0.43A, 277V: 0.39A

100W: 120V: 1.00A, 208V: 0.60A, 240V: 0.53A, 277V: 0.47A

130W: 120V: 1.33A, 208V: 0.78A, 240V: 0.68A, 277V: 0.60A

RBAY17M

160W: 120V: 1.31A, 208V: 0.77A, 240V: 0.67A, 277V: 0.58A

220W: 120V: 1.82A, 208V: 1.06A, 240V: 0.92A, 277V: 0.79A

260W: 120V: 2.24A, 208V: 1.27A, 240V: 1.10A, 277V: 0.95A

RBAY17MHO

160W: 120V: 1.63A, 208V: 0.97A, 240V: 0.86A, 277V: 0.77A

220W: 120V: 2.45A, 208V: 1.32A, 240V: 1.16A, 277V: 1.03A

260W: 120V: 2.65A, 208V: 1.56A, 240V: 1.36A, 277V: 1.20A

RBAY17L

260W: 120V: 2.20A, 208V: 1.25A, 240V: 1.08A, 277V: 0.94A

320W: 120V: 2.66A, 208V: 1.54A, 240V: 1.33A, 277V: 1.16A

400W: 120V: 3.45A, 208V: 1.94A, 240V: 1.69A, 277V: 1.46A

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

RBAY17S

80W: 480V: 0.17A

100W: 480V: 0.21A

130W: 480V: 0.27A

RBAY17SHO

80W: 480V: 0.22A

100W: 480V: 0.26A

130W: 480V: 0.34A

RBAY17M

160W: 480V: 0.33A

220W: 480V: 0.46A

260W: 480V: 0.54A

TECHNICAL SPECIFICATIONS

ELECTRICAL

RBAY17MHO

160W: 480V: 0.45A

220W: 480V: 0.58A

260W: 480V: 0.68A

RBAY17L

260W: 480V: 0.54A

320W: 480V: 0.67A

400W: 480V: 0.831A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

Note: 0-10V dimming circuit not required for Lightcloud Blue models.

Surge Protection:

6KV+6KV

THD:

RBAY17S: 130W: 4.41% at 120V, 2.0% at 277V

RBAY17M: 260W: 4.51% at 120V, 1.76% at 277V

RBAY17L: 400W: 4.86% at 120V, 2.99% at 277V

RBAY17S: 130W: 7.41% at 480V

RBAY17M: 260W: 3.56% at 480V

RBAY17L: 400W: 4.11% at 480V

Power Factor:

RBAY17S: 130W: 99.8% at 120V, 99.6% at 277V

RBAY17M: 260W: 99.9% at 120V, 99.9% at 277V

RBAY17L: 400W: 99.8% at 120V, 99.7% at 277V

RBAY17S: 130W: 94.7% at 480V

RBAY17M: 260W: 96.7% at 480V

RBAY17L: 400W: 95.6% at 480V

Emergency Light Loss Factor (Default)

120/277V:

RBAY17S: 6.47%

RBAY17SHO: 6.66%

RBAY17M: 8.40%

RBAY17MHO: 8.88%

RBAY17L: 5.63%

480V:

RBAY17S: 35.68%

RBAY17SHO: 30.13%

RBAY17M: 16.94%

RBAY17MHO: 16.13%

RBAY17L: 11.59%

FACTORY DEFAULT

Selectable Wattages:

RBAY17S / RBAY17SHO : (130/100/80W) - Default wattage: 130W

RBAY17M / RBAY17MHO : (260/220/160W) - Default wattage: 260W

RBAY17L : (400/320/260W) - Default wattage: 400W

Selectable CCT: 3500/4000/5000K - Default CCT: 4000K

Selectable CCT (For HO models): 4000/5000K - Default CCT: 4000K

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.rablightcloud.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);

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

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

RBAY17 Field-Adjustable, Linear High Bay



ACCESSORIES

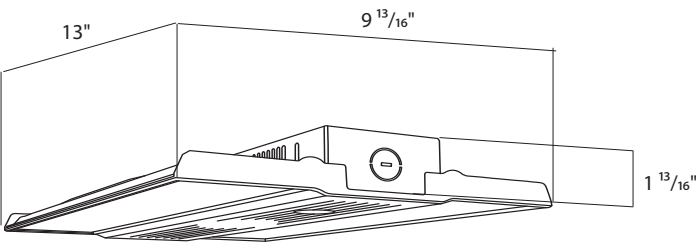
Image	Catalog#	Description	UPC
	PIR40	HIGH CEILING LOW VOLTAGE PIR SENSOR WHITE	192552026000
	PIR40/LCB	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER WITH PIR WHITE	192552026079
	MVS50	HIGH CEILING LOW VOLTAGE MVS SENSOR WHITE	192552025997
	MVS50/LCB	LC BLUE HIGH CEILING LOW VOLT LUMINAIRE CONTROLLER WITH MVS WHITE	192552026062
	MSR1	MULTI SENSOR REMOTE CONTROL IP20	192552026055
	PMKRBAY17S	PENDANT MOUNT KIT, 3/4" NPS, RBAY17 SMALL	192552025836
	PMKRBAY17M G2	PENDANT MOUNT KIT, 3/4" NPS, RBAY17 G2 MEDIUM	192552016735
	PMKRBAY17L	PENDANT MOUNT KIT, 3/4" NPS, RBAY17 LARGE	192552002905
	PM-EM-RBAY17S	PENDANT MOUNT KIT, 3/4" NPS, RBAY17 SMALL WITH BATTERY BACK-UP	192552025881
	SMKRBAY17S	SURFACE MOUNT KIT RBAY17 SMALL	192552025850
	SMKRBAY17	SURFACE MOUNT KIT RBAY17 MEDIUM AND LARGE	192552025867
	SM-EM-RBAY17S	SURFACE MOUNT KIT RBAY17 SMALL WITH BATTERY BACK-UP	192552025898
	GDRBAY17S G2	WIRE GUARD RBAY17 G2 SMALL WITH 4 SCREWS	192552016704
	GDRBAY17M G2	WIRE GUARD RBAY17 G2 MEDIUM WITH 4 SCREWS	192552016711
	GDRBAY17L G2	WIRE GUARD RBAY17 G2 LARGE WITH 4 SCREWS	192552016728

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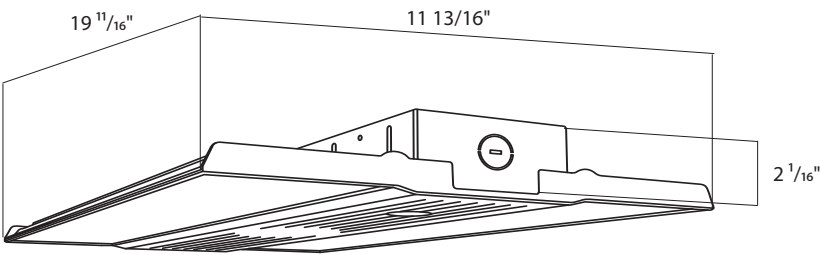


DIMENSIONS

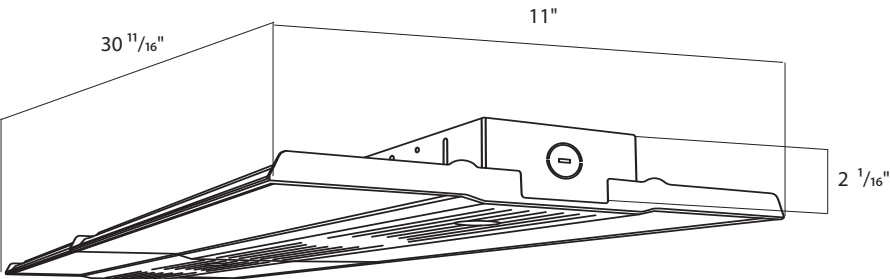
RBAY17S / RBAY17SHO
Weight: 3.95 lbs (120-277V)
Weight: 4.10 lbs (480V)



RBAY17M / RBAY17MHO
Weight: 6.53 lbs
Weight: 6.77 lbs (480V)



RBAY17L
Weight: 17.9 lbs



RBAY17 Field-Adjustable, Linear High Bay

RAB®

ORDERING MATRIX

RBAY17

Family	Size (Wattage)	Color Temp	Mounting	Finish	Driver	Battery Backup	
RBAY17							
S	(130/100/80W)	BLANK	3500/4000/5000K	BLANK	V-Hook/Chain	BLANK	No Option
SHO	(130/100/80W)		CCT Adjustable			/E	Battery Backup
M	(260/220/160W)	BLANK	4000/5000K *			/LCBS	Lightcloud Blue Enabled
MHO	(260/220/160W)		CCT Adjustable				w/PIR Sensor
L	(400/320/260W)					/LCBS/E	Lightcloud Blue Enabled
							w/PIR Sensor & Battery Backup *
						/8C	8 ft Cord
						/8CP	8' Cord, Straight Blade Plug 120V, NEMA 5-15P
						/8CP2	8' Cord, Straight Blade Plug 277V, NEMA 7-15P
						/8CPT4	8' Cord, Twistlock Plug 480V, NEMA L8-20
						/E/8C	Battery Backup w/8' Cord
						/E/8CP	Battery Backup w/8' Cord, Straight Blade Plug 120V, NEMA 5-15P
						/E/8CP2	Battery Backup w/8' Cord, Straight Blade Plug 277V, NEMA 7-15P
						/E/8CPT4	Battery Backup w/8' Cord, Straight Blade Plug 480V, NEMA L8-20

* High-output models are 4000/5000K selectable only. SHO is over 20,000lm max @130W and 4000K;
MHO is over 40,000lm max @260W and 4000K.

**For /LCBS/E the sensor will not work when in emergency mod

* High-output models are 4000/5000K selectable only. SHO is over 20,000lm max @130W and 4000K; MHO is over 40,000lm max @260W and 4000K.

**For /LCBS/E the sensor will not work when in emergency mod