

# RBAY17 Economy, Field-Adjustable High Bay



RBAY17S



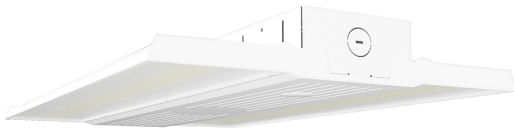
PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

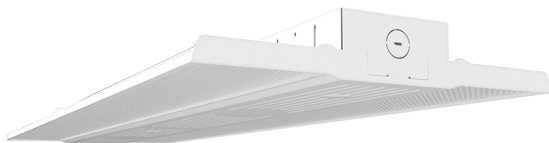
TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_

RBAY17M



RBAY17L



## KEY FEATURES

- Ultra-economy, low profile, lightweight high bay
- Available in three different sizes with **selectable** wattage and CCT to give you **9 SKUs in 1**  
 RBAY17S : (130/100/80W) - Default wattage: 130W  
 RBAY17M: (260/220/160W) - Default wattage: 260W  
 RBAY17L: (400/320/260W) - Default wattage: 400W
- CCT: **3500/4000/5000K** - Default CCT: 4000K
- Voltage rating: **120-277V. 480V** available.
- Includes a **sensor port** to easily install standard or Lightcloud Blue **PIR/MVS** sensors. **Multi-sensor remote** sold separately
- 8 ft Cord & plug options available
- Wire guards, surface and pendant mount kits available
- Battery backup available
- 5-year, limited warranty

## Field-adjustable linear high bay



0-10V



100,000 HOURS



FIELD ADJUSTABLE



EASY INSTALL



DAMP RATED



BAT. BACKUP

## 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 Economy, Field-Adjustable High Bay



## PERFORMANCE

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		

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		

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.

Fixture	DLC ID (120-277V)	DLC ID (480V)
RBAY17S	S-ZU7Y5J	S-GXE4FJ
RBAY17M	S-Z1IKA0	S-8ND5IX
RBAY17L	S-7C523X	S-0JQXZI

### FACTORY DEFAULT

#### Selectable Wattages:

RBAY17S: **130/100/80W** - Default wattage: 130W

RBAY17M: **260/220/160W** - Default wattage: 260W

RBAY17L: **400/320/260W** - Default wattage: 400W

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

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

#### Cold Weather Starting

The minimum starting temperature is -20°C (-4°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 45°C (113°F)

#### 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

#### 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: 0.67A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

**100W:** 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A

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

#### RBAY17M

**160W:** 120V: 1.33A, 208V: 0.77A, 240V: 0.67A, 277V: 0.58A

**220W:** 120V: 1.83A, 208V: 1.06A, 240V: 0.92A, 277V: 0.79A

**260W:** 120V: 2.21A, 208V: 1.27A, 240V: 1.10A, 277V: 0.94A

#### RBAY17L

**260W:** 120V: 2.17A, 208V: 1.25A, 240V: 1.08A, 277V: 0.94A

**320W:** 120V: 2.67A, 208V: 1.54A, 240V: 1.33A, 277V: 1.16A

**400W:** 120V: 3.42A, 208V: 1.92A, 240V: 1.65A, 277V: 1.44A

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

#### RBAY17S

**80W:** 480V: 0.17A

**100W:** 480V: 0.21A

**130W:** 480V: 0.27A

#### RBAY17M

**160W:** 480V: 0.33A

**220W:** 480V: 0.46A

**260W:** 480V: 0.54A

#### RBAY17L

**260W:** 480V: 0.54A

**320W:** 480V: 0.67A

**400W:** 480V: 0.83A

### ELECTRICAL

#### Dimming Driver:

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

#### Surge Protection:

1KV+2KV

#### 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:

MODEL#	WATTAGE		LLF
	120V		
RBAY17S	130		6.5%
RBAY17M	260		8.4%
RBAY17L	400		5.6%
277V			
RBAY17S	130		35.7%
RBAY17M	260		16.9%
RBAY17L	400		11.6%

Note: All values are typical (tolerance +/- 10%)

## TECHNICAL SPECIFICATIONS (CONTINUED)

### 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](http://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.

### OCCUPANCY SENSORS (ACCESSORIES)

**Default Settings:**

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 20 minutes

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](http://rablighting.com/warranty).

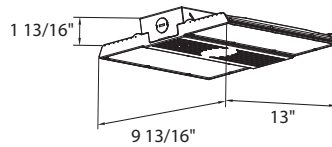
**Lifespan**

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

## DIMENSIONS

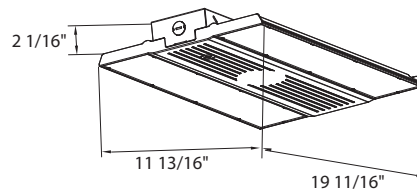
**RBAY17S**

Weight: 5.6 lbs



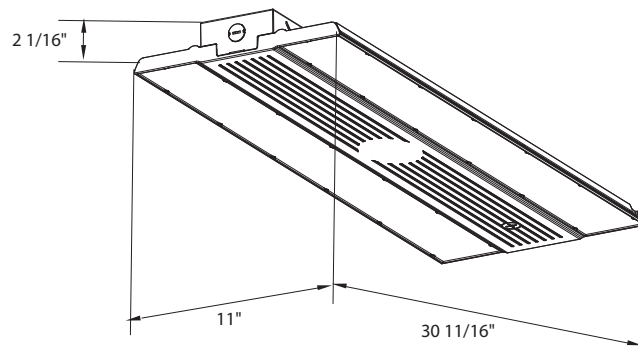
**RBAY17M**

Weight: 9.9 lbs



**RBAY17L**




















Weight: 17.9 lbs



# RBAY17 Economy, Field-Adjustable High Bay



## ACCESSORIES

Image	Catalog#	Description	UPC
	PIR20	LOW CEILING LOW VOLTAGE PIR SENSOR WHITE	192552026024
	PIR20/LCB	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH PIR WHITE	192552042246
	MVS20	LOW CEILING LOW VOLTAGE MVS SENSOR WHITE	192552026017
	MVS20/LCB	LC BLUE LOW CEILING LOW VOLT LUMINAIRE CONTROLLER WITH MVS WHITE	192552042253
	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
	PMKRBAY17L G2	PENDANT MOUNT KIT, 3/4" NPS, RBAY17 G2 LARGE	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

# RBAY17 Economy, Field-Adjustable High Bay



## ORDERING MATRIX

### RBAY17

Family	Size (Wattage)	Color Temp	Mounting	Finish	Driver	Options
<b>RBAY17</b>						
S	14" (130/100/80W)	<b>BLANK</b> 3500/4000/5000K CCT Adjustable	<b>BLANK</b> V-Hook/Chain	<b>BLANK</b> White	<b>BLANK</b> 120-277V, 0-10V dimming	<b>BLANK</b> No Option Battery Backup
M	20" (260/220/160W)					<b>/E</b> Lightcloud Blue Enabled 8 ft Cord
L	39" (400/320/260W)				<b>/480</b> 480V, 0-10V dimming	<b>/LCBS</b> Lightcloud Blue Enabled w/PIR Sensor
						<b>/LCBS/E</b> Lightcloud Blue Enabled * w/PIR Sensor & Battery Backup
						<b>/8C</b> 8 ft Cord
						<b>/8CP</b> 8' Cord, Straight Blade Plug 120V, * NEMA 5-15P
						<b>/8CP2</b> 8' Cord, Straight Blade Plug 277V, * NEMA 7-15P
						<b>/8CPT4</b> 8' Cord, Twistlock Plug 480V, ** NEMA L8-20
						<b>/E/8C</b> Battery Backup w/8' Cord
						<b>/E/8CP</b> Battery Backup w/8' Cord, * Straight Blade Plug 120V, NEMA 5-15P
						<b>/E/8CP2</b> Battery Backup w/8' Cord, * Straight Blade Plug 277V, NEMA 7-15P
						<b>/E/8CPT4</b> Battery Backup w/8' Cord, ** Straight Blade Plug 480V, NEMA L8-20

\*Available only for 120-277V models

\*\*Available only for 480V models