

RBAY22 Field-Adjustable High Bay w/Adjustable Optics

RAB®

RBAY22S



RBAY22M



RBAY22L



Field-adjustable high bay w/adjustable optics



PERFORMANCE

RBAY22S	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	55°			55°			55°		
Wattage	160W			130W			100W		
Input Watts	157.9W	154.3W	157.8W	127.1W	124.2W	127W	97.2W	95W	97.1W
Lumens	21,742	22,890	22,335	18,203	19,164	18,699	14,488	15,253	14,883
Lm/W	137.7	148.3	141.5	143.2	154.3	147.2	149.1	160.6	153.3
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22S	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	85°			85°			85°		
Wattage	160W			130W			100W		
Input Watts	158.8W	155.1W	158.8W	127.5W	124.5W	127.5W	97.5W	95.2W	97.5W
Lumens	21,908	23,224	22,623	18,410	19,516	19,011	14,664	15,545	15,143
Lm/W	138	149.7	142.5	144.4	156.8	149.1	150.4	163.3	155.3
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

PROJECT:

DATE:

TYPE:

PREPARED BY:

KEY FEATURES

- Available in three sizes & selectable wattages:
RBAY22S : 160/130/100W (Default **160W**)
RBAY22M: 260/220/160W (Default **260W**)
RBAY22L: 320/260/200W (Default **320W**)
- CCT selectable: 3500/4000/5000K - Default CCT: 4000K
- Selectable beam angle: 55°/85°/105° (Default **85°**)
- Voltage rating: **120-277V**. **480V** available.
- Includes a **sensor port** to easily install standard or Lightcloud Blue PIR and MVS sensors. **Multi-sensor remote** sold separately.
- V-hook & chain** included for mounting. Pendant mount kits sold separately
- Battery backup sold separately
- IK10 & IP69K ratings
- 5-year, limited warranty

RBAY22 Field-Adjustable High Bay w/Adjustable Optics



PERFORMANCE

RBAY22S	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	105°			105°			105°		
Wattage	160W			130W			100W		
Input Watts	160.4W	156.1W	160.3W	128.5W	125.1W	128.4W	98.1W	95.5W	98W
Lumens	21,476	22,829	22,064	18,060	19,198	18,554	14,460	15,371	14,856
Lm/W	133.9	146.2	137.6	140.5	153.5	144.5	147.4	161	151.6
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22S	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	55°			55°			55°		
Wattage	160W			130W			100W		
Input Watts	160.2W	156.4W	159.9W	131.5W	128.4W	131.3W	102.7W	100.3W	102.5W
Lumens	22,448	23,523	22,784	18,993	19,903	19,277	15,302	16,035	15,531
Lm/W	140.1	150.4	142.5	144.4	155	146.8	149	159.9	151.5
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

RBAY22S	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	85°			85°			85°		
Wattage	160W			130W			100W		
Input Watts	160W	156.6W	160.2W	131.6W	128.8W	131.8W	102.8W	100.6W	102.9W
Lumens	22,554	23,844	23,186	19,170	20,266	19,707	15,444	16,327	15,877
Lm/W	141	152.3	144.7	145.7	157.3	149.5	150.2	162.3	154.3
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

RBAY17S	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	105°			105°			105°		
Wattage	160W			130W			100W		
Input Watts	161.8W	158W	162W	132.9W	129.8W	133.1W	103.6W	101.2W	103.7W
Lumens	22,061	23,515	22,703	18,814	20,054	19,362	15,225	16,228	15,668
Lm/W	136.3	148.8	140.1	141.6	154.5	145.5	147	160.4	151.1
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

RBAY22 Field-Adjustable High Bay w/Adjustable Optics



PERFORMANCE

RBAY22M	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	55°			55°			55°		
Wattage	260W			220W			160W		
Input Watts	256.3W	249.3W	255.6W	217.8W	211.9W	217.2W	157.7W	153.4W	157.3W
Lumens	34,820	36,702	35,710	30,594	32,248	31,376	23,423	24,689	24,022
Lm/W	135.9	147.2	139.7	140.5	152.2	144.5	148.5	160.9	152.7
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22M	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	85°			85°			85°		
Wattage	260W			220W			160W		
Input Watts	256W	249.2W	256.5W	217.7W	211.9W	218.1W	157.6W	153.4W	157.9W
Lumens	34,998	37,056	36,133	30,868	32,683	31,869	23,704	25,098	24,473
Lm/W	136.7	148.7	140.9	141.8	154.2	146.1	150.4	163.6	155
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22M	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	105°			105°			105°		
Wattage	260W			220W			160W		
Input Watts	259.6W	252.1W	260W	220.5W	214.1W	220.8W	159.3W	154.7W	159.5W
Lumens	34,271	36,529	35,296	30,348	32,348	31,256	23,421	24,964	24,121
Lm/W	132	144.9	135.8	137.6	151.1	141.6	147	161.4	151.2
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22M	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	55°			55°			55°		
Wattage	260W			220W			160W		
Input Watts	254.3W	247.9W	253.9W	218.2W	212.7W	217.9W	160.1W	156.1W	159.8W
Lumens	35,229	37,321	36,190	31,135	32,984	31,984	23,976	25,400	24,630
Lm/W	138.5	150.5	142.5	142.7	155.1	146.8	149.8	162.7	154.1
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

RBAY22 Field-Adjustable High Bay w/Adjustable Optics



PERFORMANCE

RBAY22M	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	85°			85°			85°		
Wattage	260W			220W			160W		
Input Watts	254.1W	248W	254.1W	218.2W	213W	218.2W	160.1W	156.3W	160.1W
Lumens	35,387	37,658	36,486	31,285	33,293	32,257	24,196	25,749	24,947
Lm/W	139.3	151.8	143.6	143.4	156.3	147.8	151.1	164.7	155.8
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

RBAY22M	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	105°			105°			105°		
Wattage	260W			220W			160W		
Input Watts	257.1W	250.3W	257.2W	220.3W	214.5W	220.4W	161.4W	157.1W	161.5W
Lumens	34,555	37,057	35,635	30,648	32,867	31,606	23,797	25,520	24,541
Lm/W	134.4	148.1	138.5	139.1	153.2	143.4	147.4	162.4	152
CRI	83	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

RBAY22L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	55°			55°			55°		
Wattage	320W			260W			200W		
Input Watts	318.3W	310.4W	318.3W	262.7W	256.2W	262.7W	201.8W	196.8W	201.8W
Lumens	45,585	47,969	47,047	39,107	41,152	40,361	31,335	32,479	32,340
Lm/W	143.2	154.5	147.8	148.9	160.6	153.6	155.3	165	160.3
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	85°			85°			85°		
Wattage	320W			260W			200W		
Input Watts	318.3W	310.5W	318.4W	261.4W	255W	261.5W	202W	197.3W	202.1W
Lumens	45,851	48,221	47,296	39,128	41,150	40,361	31,525	32,684	32,519
Lm/W	144	155.3	148.5	149.7	161.4	154.3	156.1	165.7	160.9
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22 Field-Adjustable High Bay w/Adjustable Optics



PERFORMANCE

RBAY17L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	105°			105°			105°		
Wattage	320W			260W			200W		
Input Watts	322.2W	313.5W	322.5W	264.1W	257W	264.3W	203.8W	198.3W	204W
Lumens	44,981	47,595	46,379	38,501	40,738	39,698	31,240	32,560	32,211
Lm/W	139.6	151.8	143.8	145.8	158.5	150.2	153.3	164.2	157.9
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	120-277V								

RBAY22L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	55°			55°			55°		
Wattage	320W			260W			200W		
Input Watts	310.9W	303.8W	311.2W	259.1W	253.2W	259.4W	201.7W	197.1W	201.9W
Lumens	45,843	48,276	47,386	39,592	41,693	40,925	31,667	32,847	32,733
Lm/W	147.5	158.9	152.3	152.8	164.7	157.8	157	166.7	162.1
CRI	84	85	85	85	85	85	84	85	85
Voltage Ratings	480V								

RBAY22L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	85°			85°			85°		
Wattage	320W			260W			200W		
Input Watts	311.2W	304W	311.3W	259.3W	253.3W	259.4W	201.9W	198.3W	202W
Lumens	46,159	48,594	47,647	39,697	41,791	40,977	31,890	33,125	32,918
Lm/W	148.3	159.8	153.1	153.1	165	158	157.9	167	163
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

RBAY22L	3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
Beam Angle	105°			105°			105°		
Wattage	320W			260W			200W		
Input Watts	314.9W	306.7W	314.9W	262W	255.2W	262W	203.7W	198.4W	203.7W
Lumens	45,310	47,936	46,671	39,087	41,352	40,261	31,543	32,871	32,490
Lm/W	143.9	156.3	148.2	149.2	162	153.7	154.9	165.7	159.5
CRI	84	85	84	84	85	84	84	85	84
Voltage Ratings	480V								

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TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations

IP Ratings

Ingress Protection rating of IP66 and IP69K for dust and water

NSF

NSF certified by public health and safety

IK Ratings

IK10 rated for protection against impact

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)
RBAY22S	S-BKXYSB	S-0VN3WZ
RBAY22M	S-LZVF25	S-7S2RW7
RBAY22L	S-T8L2Y1	S-VBRWPZ

CONSTRUCTION

Cold Weather Starting

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

Cold Weather Starting with 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 with Battery Backup

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

Lens

Polycarbonate lens

Housing

Die-cast aluminum

Mounting

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

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

Formulated for high durability and long lasting color

LED CHARACTERISTICS

LEDs

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

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.

FACTORY SETTINGS

Adjustable Wattages:

RBAY22S : 160/130/100W (Default **160W**)

RBAY22M: 260/220/160W (Default **260W**)

RBAY22L: 320/260/200W (Default **320W**)

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

Selectable beam angle: 55°/85°/105° (Default **85°**)

ELECTRICAL

Drivers:

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

RBAY22S

160W: 120V: 1.4A, 208V: 0.8A, 240V: 0.7A, 277V: 0.65A

130W: 120V: 1.2A, 208V: 0.7A, 240V: 0.6A, 277V: 0.55A

100W: 120V: 0.95A, 208V: 0.55A, 240V: 0.50A, 277V: 0.5A

RBAY22M

260W: 120V: 2.2A, 208V: 1.3A, 240V: 1.1A, 277V: 1.0A

220W: 120V: 1.85A, 208V: 1.1A, 240V: 0.95A, 277V: 0.85A

160W: 120V: 1.35A, 208V: 0.8A, 240V: 0.7A, 277V: 0.6A

RBAY22L

320W: 120V: 2.7A, 208V: 1.6A, 240V: 0.7A, 277V: 0.6A

260W: 120V: 2.2A, 208V: 1.3A, 240V: 1.2A, 277V: 1.1A

200W: 120V: 1.7A, 208V: 1.0A, 240V: 0.95A, 277V: 0.85A

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

RBAY17S

160W: 480V: 0.35A

130W: 480V: 0.30A

100W: 480V: 0.25A

RBAY17M

260W: 480V: 0.33A

220W: 480V: 0.46A

160W: 480V: 0.54A

RBAY17L

320W: 480V: 0.7A

260W: 480V: 0.6A

200W: 480V: 0.5A

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:

6KV+6KV

THD: (Default)

RBAY22S: 4.98% at 120V, 7.9% at 277V, 4.4% at 480V

RBAY22M: 4.74% at 120V, 7.69% at 277V, 3.9% at 480V

RBAY22L: 5.33% at 120V, 10.32% at 277V, 7.5% at 480V

Power Factor: (Default)

RBAY22S: 99.8% at 120V, 96.6% at 277V, 95.9% at 480V

RBAY22M: 99.8% at 120V, 95.7% at 277V, 96.7% at 480V

RBAY22L: 99.8% at 120V, 94.5% at 277V, 96.5% at 480V

TECHNICAL SPECIFICATIONS (CONTINUED)

ELECTRICAL (CONTINUED)

Emergency Light Loss Factor:

Product	Wattage	LLF @ 120/277V	LLF @ 480V
RBAY17S	160	17.39%	26.96%
	130	21.64%	33.00%
	100	27.00%	41.00%
RBAY17M	260	10.00%	17.44%
	220	12.29%	20.48%
	160	16.00%	27.00%
RBAY17L	360	21.23%	13.80%
	260	25.00%	16.50%
	200	31.00%	21.00%

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

WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud Blue-enabled:

Lightcloud-enabled products offer integrated network lighting control for a truly wireless solution 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 commercial applications. Each device can then communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls within any application.

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

Learn more at www.lightcloud.com

Lightcloud Blue (LCB)

- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub.
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift.
- Download the Lightcloud Blue mobile app for iOS or Android devices.

Lightcloud Enterprise (LC)

- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately).
- Offers premium features like remote commissioning, demand response, BACnet integration, and more.
- Download the Lightcloud Enterprise mobile app for iOS or Android devices.

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.

MVS: 50 ft. diameter mounted at 50 ft.

Daylight Sensing:

The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set. Closed loop daylight harvesting with continuous dimming available with Lightcloud Blue. Specify settings using the Lightcloud Blue mobile app.

Default Settings:

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Daylight: Disabled

Adjustable Settings:

Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote (sold separately) 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

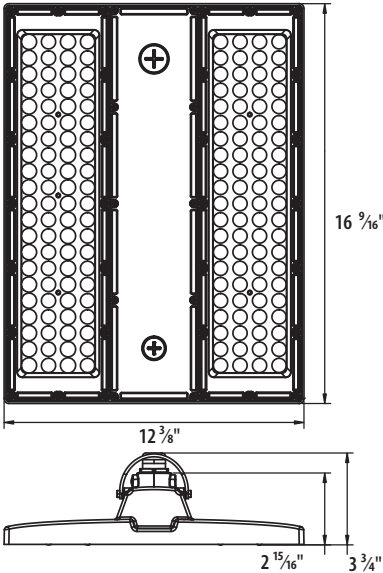
RBAY22 Field-Adjustable High Bay w/Adjustable Optics



DIMENSIONS

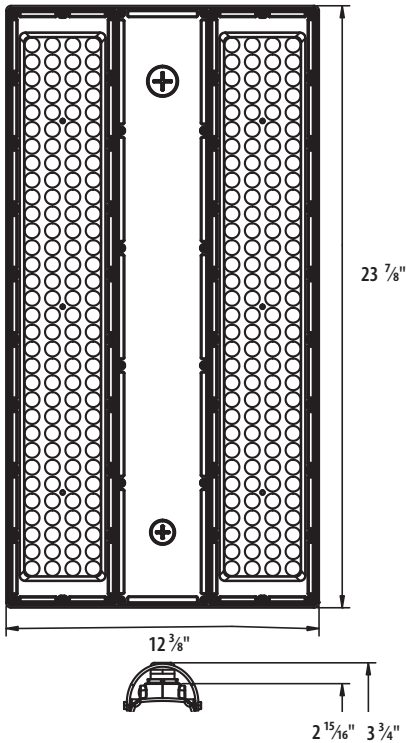
RBAY22S

Weight (120-277V) : 8.84 lbs
Weight (480V) : 9.06 lbs



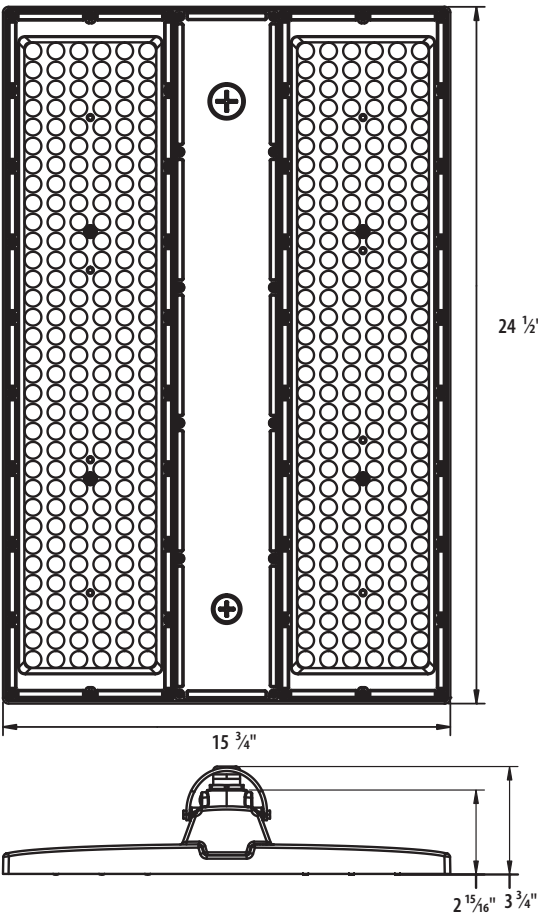
RBAY22M

Weight (120-277V) : 11.1 lbs
Weight (480V) : 12.43 lbs



RBAY22L

Weight (120-277V) : 13.62 lbs
Weight (480V) : 14.95 lbs



RBAY22 Field-Adjustable High Bay w/Adjustable Optics



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
	PMKRBAY22	RBAY22 PENDANT MOUNT KIT WHITE	192552044608
	EMHB30	EMERGENCY BATTERY BACKUP 30W, 160W & 260W HIGH BAY WHITE	192552030137
	EMHB60	EMERGENCY BATTERY BACKUP 60W , 320W HIGH BAY WHITE	192552036443
	EMHB30/LCB	EMERGENCY BATTERY BACKUP 30W , 160W & 260W W/LCB WHITE	192552036429
	EMHB60/LCB	EMERGENCY BATTERY BACKUP 60W, 320W W/LCB WHITE	192552036467
	EMHB40/480	EMERGENCY BATTERY BACKUP FOR HIGH BAY 40W WHITE FOR ALL480V MODELS	192552016834

ORDERING MATRIX

RBAY22

Family	Size (Wattage)	Color Temp	Mounting	Optics	Finish	Driver
RBAY22						
S	160/130/100W	BLANK 3500/4000/5000K	BLANK V-Hook/Chain	BLANK	BLANK White	BLANK 120-277V,
M	260/220/160W	CCT Adjustable		55°/85°/105°		0-10V dimming
L	320/260/220W			Beam Angle		480V,
				Selectable		0-10V dimming