

# REFLECT-A-BAY **(GA)**

## **FLUORESCENT HIGH BAY**

Replaces up to 400W MH  
16,000 Lumens – 24,000 Lumens



# REFLECT-A-BAY **RG2**

## OUR NEXT GENERATION HIGH BAY

Simkar's Reflect-A-Bay™ Gen2 updates our broad offering of industrial high bay products. Incorporating our unique quick-release swing down lamp tray, the RG2 fluorescent high bay is offered in both T5HO or T8 in four and six lamp configurations. Coupled with a wide array of options and

accessories, RG2 is the perfect choice for new installations and retrofits in manufacturing, warehouse, retail, and institutional applications.

## Features

### Multiple mounting options

Chain, cable, and pendant

### Energy efficient

Up to 50% energy savings vs. HID

### T5HO and T8

4 and 6 lamp models

### Operating range

Up to 131° F (55° C)

### Spring loaded latches

Secure one piece reflector design for swing down access into ballast chamber for toolless wiring

### Choice of reflectors

Specular aluminum with narrow distribution or white for wide distribution

### Exclusive Latch Access

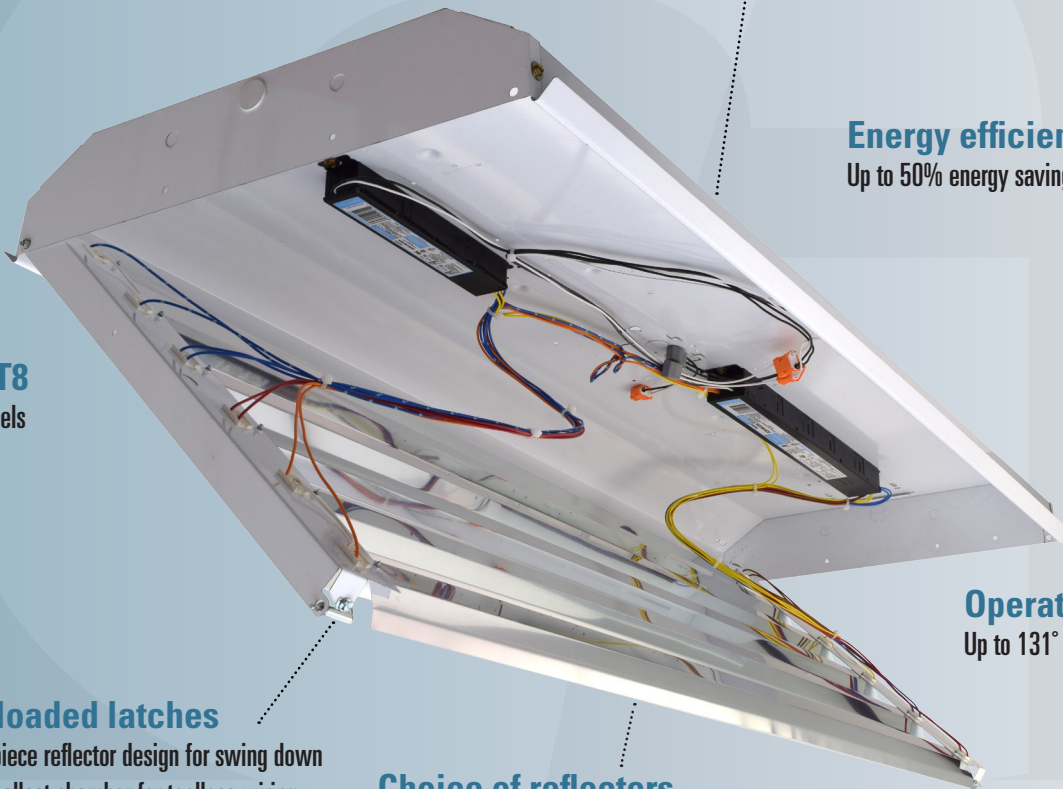
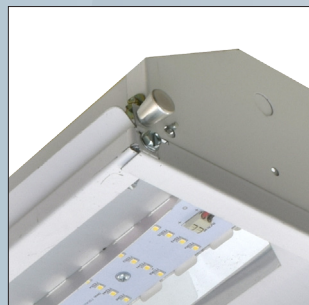
Simple, spring-loaded latches allow the units to be opened by swinging the tray down, giving nearly instantaneous access into the unit

### Easy access lens

The optional lens also features spring-loaded pins, enabling immediate access to the lamp tray

### Solid Connections

Opposing installation of screw hinges ensure that they will not back out even with repeated opening and closing

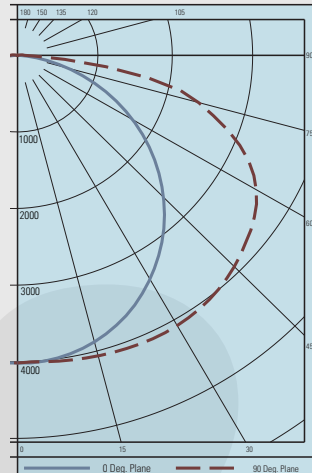


## Performance Data

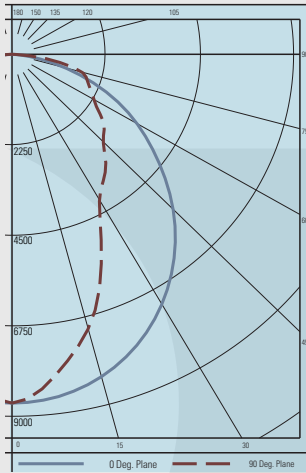
Model	Lamps	Reflector	Input Power	Efficiency	Light Output*	Mounting Ht.*	Equivalent HID**	Operating Temperature
RG2454WRU1	(4) 54W T5HO	White	228.9W	90%	16,010 lm	Up to 30'	Up to 400W PSMH	Up to 131° F (55° C)
RG2454SRU1	(4) 54W T5HO	Specular	229.1W	100.7%	17,920 lm			
RG2654WRU1	(6) 54W T5HO	White	354.7W	90.8%	24,250 lm	Up to 50'		
RG2654SRU1	(6) 54W T5HO	Specular	345.3W	90.0%	24,050 lm			

\* Consult a lighting engineer to meet specific requirements

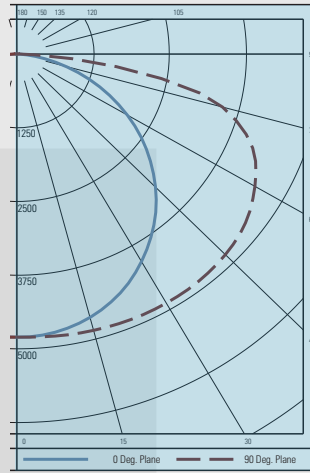
RG2454WRU1 Candela Plot



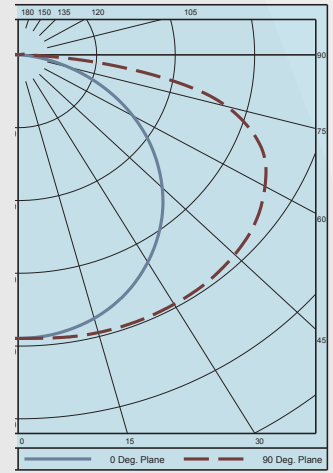
RG2454SRU1 Candela Plot



RG2654WRU1 Candela Plot



RG2654SRU1 Candela Plot



## Aisle Footcandle Estimator • Specular Reflector

Height	4 T5HO 54W		6 T5HO 54W		4 T8 32W		6 T8 32W	
	fc 30" AFF	Vertical Fc	fc 30" AFF	Vertical Fc	fc 30" AFF	Vertical Fc	fc 30" AFF	Vertical Fc
15'	NOT RECOMMENDED				14	7	22	11
20'	28	13	NOT RECOMMENDED		11	6	17	9
30'	19	10	25	14	8	5	11	7
40'	14	9	19	12	NOT RECOMMENDED			
50'	11	7	15	9				

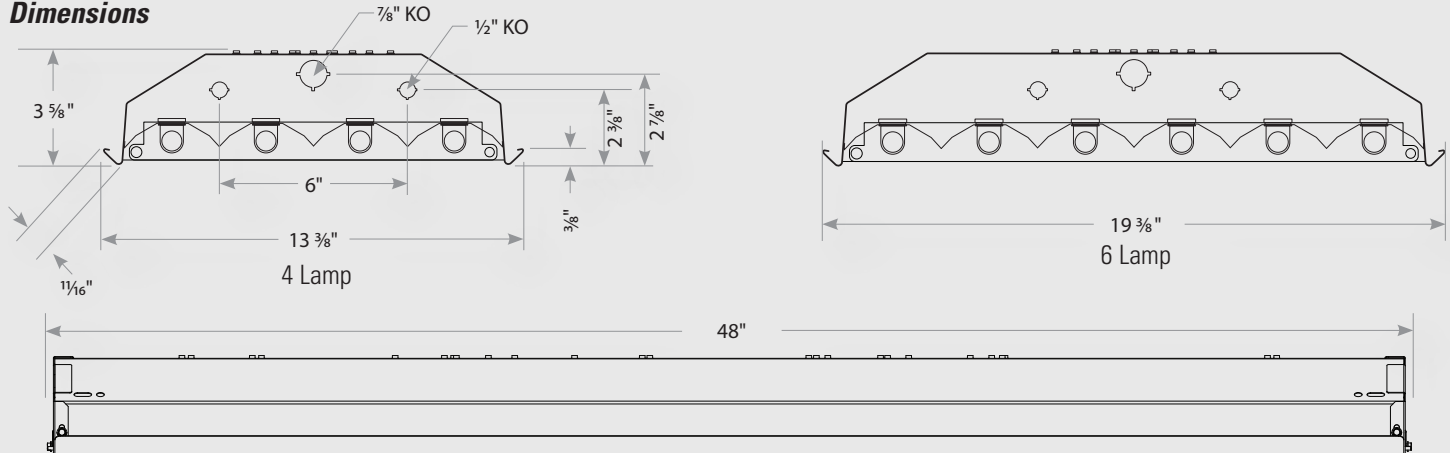
Vertical footcandles are averages. 12' wide Aisles with fixtures 25' on center. Consult a lighting engineer to meet specific requirements.

## Open Area Footcandle Estimator • White Reflector

Height	4 T5HO 54W	6 T5HO 54W	4 T8 32W	6 T8 32W
15'	NOT RECOMMENDED		13	20
20'	24	36	13	19
30'	23	34	12	18
40'	21	32	NOT RECOMMENDED	
50'	20	30		

Vertical footcandles are averages. 250' x 250' area fixtures spaced 25" on center @ 30" AFF. Consult a lighting engineer to meet specific requirements.

## Dimensions



# Reflect-A-Bay Gen2 Linear Fluorescent High Bay Configuration

SERIES	# LAMPS	LAMP TYPE*	REFLECTOR	BALLAST**	SWITCHING	VOLTAGE
RG2	4	32 = 32W T8 48"	WR = White	E = Electronic T8	<i>FOR 4 LAMP UNITS</i> 4L = (1) 4 Lamp ballast 22L = (2) 2 Lamp ballasts	U1 = 120-277V 347 = 347V 480 = 480V
	6	54 = 54W T5HO 46"	MR = Specular aluminum 95% reflectivity SR = Specular aluminum 85% reflectivity (standard)	HE = Electronic T5HO PS(x)** = T8 only, program start (L) = Low BF (N) = Normal BF (H) = High BF HP(x)** = T8 only, high performance (L) = Low BF (N) = Normal BF (H) = High BF CS = Customer supplied B9 = Customer specified	<i>FOR 6 LAMP UNITS</i> 4L2L = (1) 4 Lamp ballast & (1) 2 Lamp ballast 23L = (2) 3 Lamp ballast 32L = (3) 2 Lamp ballast	

\*Nominal. See performance table for actual power consumption.

\*\*To specify CEE / NEMA Premium, and for detailed ballast information, please contact factory

OPTIONS	EMERGENCY OPTIONS	ACCESSORIES	MOUNTING ACCESSORIES
<b>BP</b> = Bulk pack <b>FB</b> = Fast blow fuse <b>SB</b> = Slow blow fuse  <i>SENSORS (FACTORY WIRED)</i> <b>OS(x)</b> = Occupancy sensor (specify # of lamps controlled - 2, 4, or 6)  <b>OSPC(x)</b> = Occupancy sensor with photocontrol (specify # of lamps controlled - 2, 4, or 6)  <i>6' CORD AND PLUG</i> <b>CPT(x)</b> 1 = 120V, (L5-15P) 2 = 277V, (L7-15P) 3 = 208V, (L6-15P) 4 = 240V, (L6-15P) 5 = 480V, (L8-20P) <b>CP3</b> = Cord & plug-120V straight blade 5-15P <b>C6</b> = 6' Cord <b>C10</b> = 10' Cord	<b>ELS1</b> = 500 lumens (T8 only) <b>ELS2</b> = 700 lumens <b>ELS3</b> = 1400 lumens	<i>4 LAMP UNITS</i> <b>RG2WG4</b> = Wire guard <b>RG2F4</b> = Frosted acrylic flat lens <b>RG2C4</b> = Clear acrylic flat lens  <i>6 LAMP UNITS</i> <b>RG2WG6</b> = Wire guard <b>RG2F6</b> = Frosted acrylic flat lens <b>RG2C6</b> = Clear acrylic flat lens  <i>Note: Wire Guards can be installed in conjunction with Lenses.</i>  <i>Note: Lamp tube guards cannot be used in RG2.</i>	<b>CA24</b> = Chain hanger assembly: (2) 18" chains, (2) v-hooks, (2) s-hooks; 24" total drop <b>CS24</b> = S-hook chain hanger assembly: (4) 18" chain & (4) s-hooks; 24" drop <b>RG2SBH</b> = Center slide box with hook assembly <b>RG2SBP</b> = Center slide box for single pendant mount or surface mount <b>PM2(X)</b> = Twin pendant mount, (2) white stems (without canopies); specify length (24" / 36" / 48" / 60" / 72") <b>HKSC</b> = Hook & chain assembly; includes (4) 31.5" chains, mounting plate, and hook <b>CAB(X)72</b> = Adjustable aircraft cables; specify "2" for (2) cables joined with Y hanger, or "4" for (4) individual 72" cables; includes toolless adjusters and mounting hardware

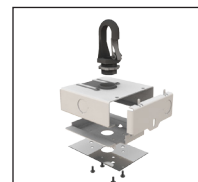
## Mounting Options



**CA24**  
Chain hanger (2) assembly



**HKSC**  
Hook & chain assembly



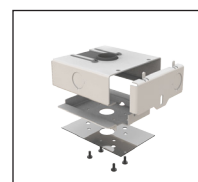
**RG2SBH**  
Center mount slide box w/hook assembly



**CS24**  
"S" Hook (4) Chain hanger assembly



**PM2**  
Twin pendant mount



**RG2SBP**  
Center mount slide box for pendant or surface mount



**CAB 72**  
Adjustable aircraft cables

