

Project Name: \_\_\_\_\_ Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

### INTENDED USE

The Alcon Lighting 15210 LED High Bay is the ideal replacement lighting for metal halide high bays and is the ideal solution for LED High Bay lighting fixture applications. Our High Bay fixtures are maintenance free and meet the harsh performance standards of commercial and industrial environments that provide high efficiency and high lumen output for an economic solution to optimize payback.

### FEATURES

**Construction:** Die-cast aluminum  
**Lens:** Glare-free Polycarbonate  
**Finish:** White  
**Mounting:** Surface, or pendant. A 3.2 ft. Chain Hanging Kit is included  
**Color Temperature:** 35/40/50K Selectable switch  
**Voltage:** 120-277V or 277-480V  
**Driver:** 0-10V  
**Surge Protection:** 6 kV  
**CRI:** 80+  
**Operating Temperature:** -40°F to 122°F  
**Power Factor:** > 0.9  
**Life:** 167,000 hours  
**Warranty:** 5 Years Carefree for Parts & Components (Labor Not Included)  
**Listings:** UL and DLC Premium, Damp location rated



Microwave  
Motion Sensor



Infrared  
Motion Sensor

Size (LxWxH)	Wattage	Lumens Max	Weight
14-15/16" x 9-13/16" x 2-15/16"	60/80/100W	16,366 lm	4.1 lbs
14-15/16" x 9-13/16" x 2-15/16"	100/130/160W	25,521 lm	5 lbs
17-11/16" x 12-7/16" x 2-15/16"	130/160/220W	36,274 lm	7 lbs
20-1/2" x 14-7/16" x 3-1/4"	160/220/320W	52,194 lm	9.2 lbs
35-1/2" x 12-7/16" x 2-15/16"	320/400/500W	76,668 lm	14.2 lbs



### ORDERING INFORMATION Example:

Model	Size	Wattage	Mounting	Options
15210	14 <sup>1</sup> 14-15/16"	Blank Not Required	P Pendant	EM20 20W Emergency Battery
	17 <sup>2</sup> 17-11/16"	60 60/80/100W	S Surface	EM30 30W Emergency Battery
	20 <sup>3</sup> 20-1/2"	100 100/130/160W		MWS Microwave Motion Sensor
	35 <sup>4</sup> 35-1/2"			IMS Infrared Motion Sensor Remote Control for Infrared Motion Sensor
				RC <sup>5</sup>
				SMS Smart Microwave Motion Sensor
				SIS Smart Infrared Motion Sensor
				50S 50 ft. Infrared Motion Sensor

<sup>1</sup>Size 14-15/16" is available in 60/80/100W or 100/130/160W, please specify

<sup>2</sup>Size 17-11/16" comes in 130/160/220W, leave wattage option blank

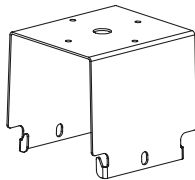
<sup>3</sup>Size 20-1/2" comes in 160/220/320W, leave wattage option blank

<sup>4</sup>Size 35-1/2" comes in 320/400/500W, leave wattage option blank

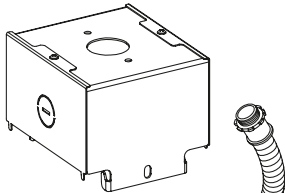
<sup>5</sup>Suggested for programming high volume of fixtures

## MOUNTING OPTIONS

Surface  
Mount Bracket

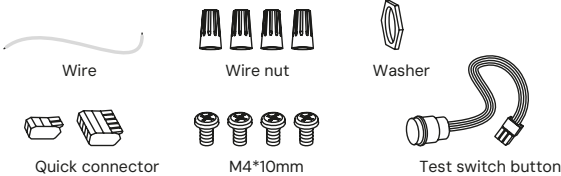
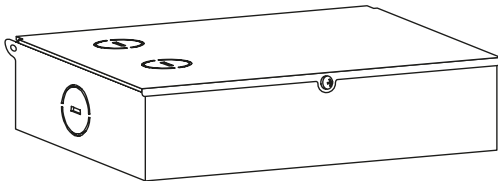


Pendant  
Mount Bracket

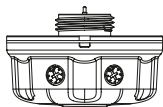


## OPTIONS

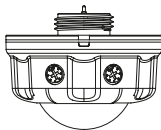
Emergency  
Battery Kit



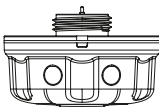
Microwave  
Motion Sensor



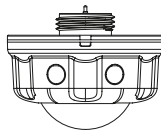
Infrared  
Motion Sensor



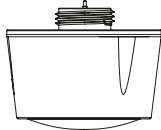
Smart Microwave  
Motion Sensor



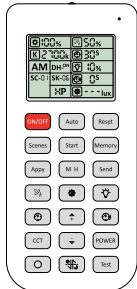
Smart Infrared  
Motion Sensor



50 ft. Infrared  
Motion Sensor



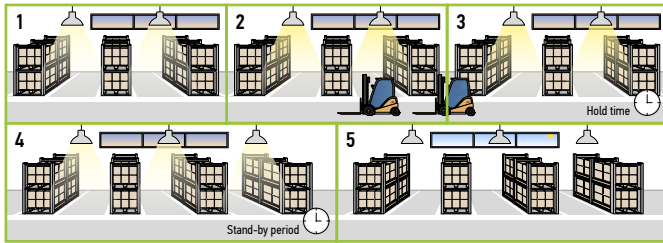
## Remote Control for Infrared Motion Sensor



Button	Remarks	Button	Remarks	Button	Remarks
ON/OFF	Turn the sensor ON/OFF.	Mounting height	Adjust detection area/sensitivity levels according to real installation situations, higher or lower.	Up	The main functional buttons to adjust the factors to desired level. Press + - button to dim light directly in non-detection mode.
Auto	Enter "sensor mode" and perform previous settings.	Send	Memorize and send out the previous setting of individual parameters.	Down	
Reset	Enter "sensor mode" and perform the default settings.	Detection range	Also known as "sensitivity", 100 % means the highest sensitivity and longest distance. Use this button and the + - buttons to adjust.	CCT Selectable	Not applicable to this product.
Scenes	Shows current settings saved in remote.	Daylight sensor	The preset lux level at which motion will be detected. Use this button and the + - buttons to adjust.	Power	Adjust brightness in both ON/OFF mode & sensor mode, minimum 10%, max 100%, each time this button is pressed it changes by 5%.
Start	Press this to begin scene setup.	Stand-by dimming	After hold time, the light will dim from 100 % to optional standby dimming levels. Use this button and the + - buttons to adjust.	Reserved Button	Not applicable to this product.
Memory	Saves the scene settings.	Hold time	The period that light will stay illuminated 100 % after no motion is detected. Use this button and the + - buttons to adjust.	Daylight Harvesting	Daylight harvesting function enabled or disabled.
Apply	Applies current scene settings to the fixture.	Stand-by period	The period after holdtime, during which the light keeps standby dimming level. Use this button and the + - buttons to adjust.	Test button	Press this button to test the sensor; it will temporarily change the hold time to 2s. This setting cannot be saved.

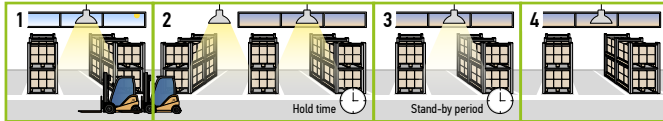
## WITH DUSK/DAWN FUNCTION:

1. With insufficient ambient brightness, sensor turns on light and keeps it at standby dimming level even if there is no motion or presence.
2. When sensor detects motion or presence it will bring the light level up to 100 %.
3. After motion is no longer detected, fixture remains at 100 % for hold time.
4. After pre-set hold time period it will dim to standby dimming level again and always keep it.
5. With sufficient ambient brightness, sensor will turn OFF light automatically.



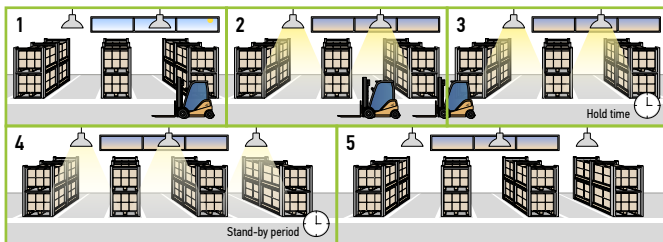
## WITH DAYLIGHT DISABLED:

1. Sensor turns ON light when motion is detected.
2. Light will stay on after detecting motion for the desired hold time.
3. Sensor dims light to standby dimming level after hold time if there is still no motion.
4. Sensor turns OFF light after standby period.



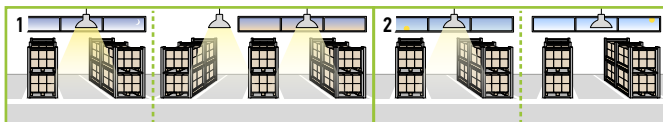
## WITH DAYLIGHT THRESHOLD:

1. With sufficient daylight, the light remains OFF even after motion is detected.
2. With insufficient daylight, the sensor turns light ON when motion is detected.
3. After there's no motion detected, the sensor keeps light ON 100 % for holdtime.
4. After holdtime, sensor dims light to standby dimming level for standby period. If the standby period has been set as 0s, sensor turns light OFF automatically after holdtime.
5. The sensor turns OFF light automatically after the standby period when there's no motion detected.



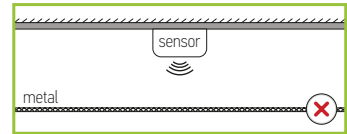
## DAYLIGHT HARVESTING:

1. When ambient brightness is lower than preset lux level, sensor will turn on light automatically and keep dimming according to the change of the ambient brightness. As it gets darker outside the fixtures will brighten, and as it gets brighter outside the fixtures will dim down.
2. When the ambient brightness exceeds the preset lux level, the light will turn OFF.

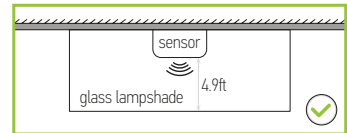


## MICROWAVE MOTION SENSOR:

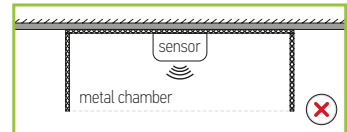
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



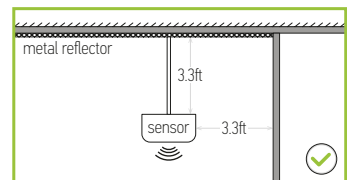
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



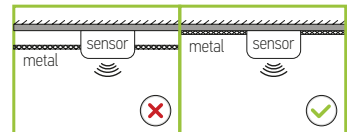
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



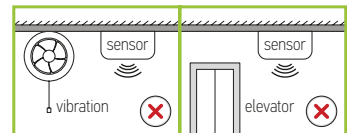
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



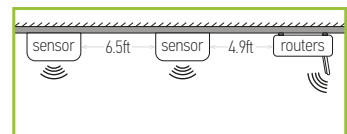
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



Any vibration or movement may trigger the sensor. Ensure the sensor is far from any constant movement.



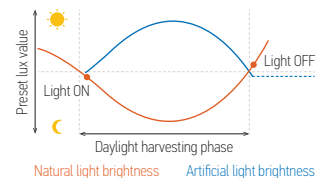
At least 2 m/6.5 ft distance between microwave sensors;



1.5 m/4.9 ft between the sensor and other wireless devices such as routers to avoid possible radio interference.

## DAYLIGHT HARVESTING SETTING:

1. Adjust "daylight" value higher than 50lux.
2. Preset "standby period" 0s.
3. Press "daylight harvesting" button on remote control to activate.



## EMERGENCY BATTERY INFORMATION



Self-check emergency battery back-up kit offers a dependable solution for virtually every LED Linear High Bay lighting application, with options tailored for both new fixture constructions and field installation applications.

### ⚠ CAUTION:

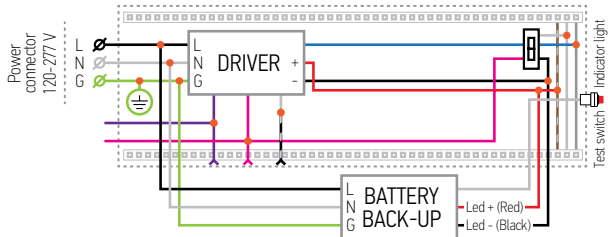
- Before performing a high-voltage insulation test, ensure the battery pack is removed and that there is no contact between the battery pack and the LED drivers.
- After testing, disconnect the battery pack unit connector before shipping and storing.
- During storage, the battery pack will need 24 hours of charging every 3 months.

Specifications	EM20   20W Emergency Battery	EM30   30W Emergency Battery
Input voltage	100–347 Vac 50/60 Hz	
Voltage	120 V	
Output voltage	156 – 230 Vdc	156 – 230 Vdc
Input current	100 mA	
Output current	70 mA	
Power	20W	30W
Lumen	3,189 lm	4,783 lm
Emergency time	90 minutes	
Indicator light	Illuminated test switch	
Battery	Li-ion	
Charging time	≥ 24 hours	

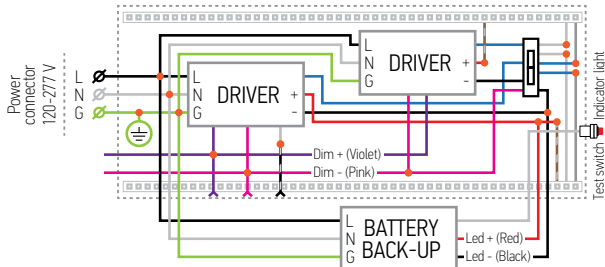
### STANDARD OPERATION DISPLAY STATUS:

Button	Remarks
ON	Charging mode, AC power is ON
Blinking slowly	Emergency mode, Battery is discharging, AC power is OFF
Blinking quickly	Test failure

15210 with Emergency Battery (100–320W)



15210 with Emergency Battery (500W)



## LUMEN OUTPUT PERFORMANCE CHART

Model	Watts	3,500K	4,000K	5,000K
15210-14-60	60W	10,457 lm	10,830 lm	10,761 lm
	80W	13,308 lm	13,888 lm	13,600 lm
	100W	16,032 lm	16,848 lm	16,366 lm
15210-35	320W	52,256 lm	55,249 lm	55,036 lm
	400W	63,160 lm	66,623 lm	65,166 lm
	500W	72,783 lm	79,787 lm	76,668 lm
15210-17	130W	22,140 lm	23,343 lm	23,458 lm
	160W	26,627 lm	28,271 lm	27,963 lm
	220W	34,160 lm	37,158 lm	36,031 lm
15210-20	160W	28,106 lm	29,289 lm	29,516 lm
	220W	36,810 lm	38,731 lm	38,197 lm
	320W	49,029 lm	53,090 lm	51,322 lm



	ALCON LIGHTING	LUTRON	LEVITON®
0-10 V	<a href="#">2100</a> <a href="#">2101</a> <a href="#">2102</a>	Diva DDTV	IP-710-DL

## COLOR TEMPERATURE GUIDE

				
<b>2700K</b>	<b>3000K</b>	<b>3500K</b>	<b>4000K</b>	<b>5000K</b>
WARM WHITE	SOFT WHITE GLOW	NEUTRAL GLOW	COOL WHITE GLOW	DAYLIGHT GLOW
friendly personal intimate	soft warm pleasing	sociable inviting non-threatening	neat clean efficient	bright cool alert
HOMES LIBRARIES RESTAURANTS	HOMES HOTEL ROOMS LOBBIES RETAIL STORES	EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS	OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS	GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS
X	X	✓	✓	✓