

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



| 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 |



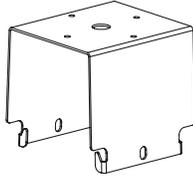
ORDERING INFORMATION Example:

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

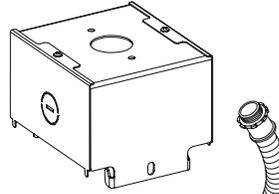
¹Size 14-15/16" is available in 60/80/100W or 100/130/160W, please specify
²Size 17-11/16" comes in 130/160/220W, leave wattage option blank
³Size 20-1/2" comes in 160/220/320W, leave wattage option blank
⁴Size 35-1/2" comes in 320/400/500W, leave wattage option blank
⁵Suggested for programming high volume of fixtures

MOUNTING OPTIONS

Surface Mount Bracket

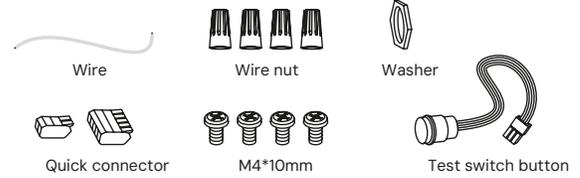
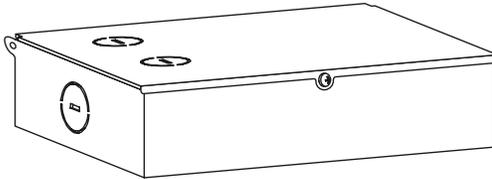


Pendant Mount Bracket

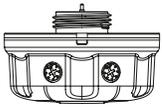


OPTIONS

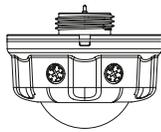
Emergency Battery Kit



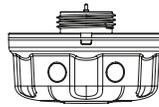
Microwave Motion Sensor



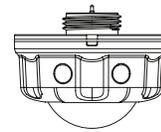
Infrared Motion Sensor



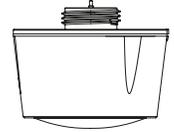
Smart Microwave Motion Sensor



Smart Infrared Motion Sensor



50 ft. Infrared Motion Sensor



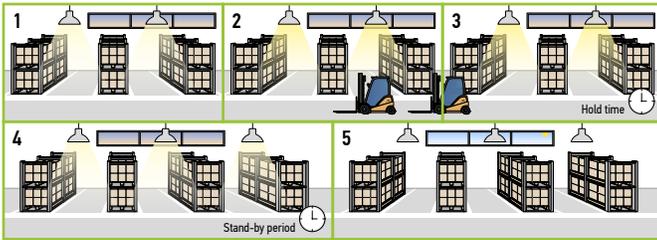
Remote Control for Infrared Motion Sensor



| 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. |

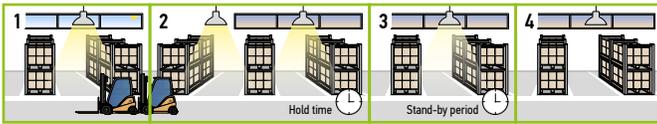
WITH DUSK/DAWN FUNCTION:

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.



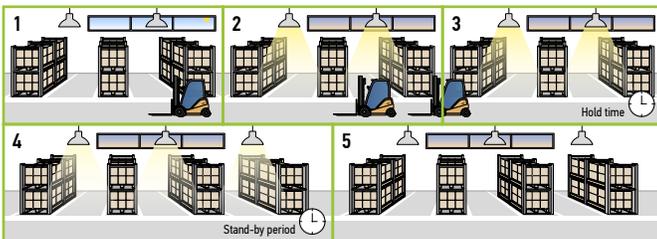
WITH DAYLIGHT DISABLED:

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.



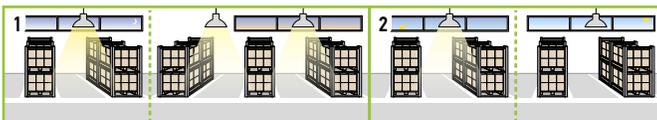
WITH DAYLIGHT THRESHOLD:

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 Os, sensor turns light OFF automatically after holdtime.
5. The sensor turns OFF light automatically after the standby period when there's no motion detected.



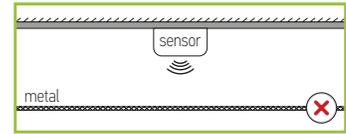
DAYLIGHT HARVESTING:

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.

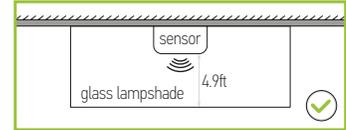


MICROWAVE MOTION SENSOR:

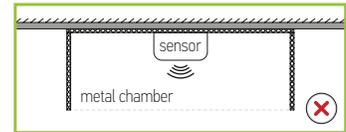
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



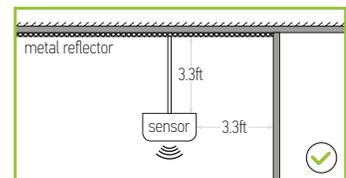
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



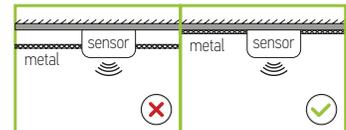
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



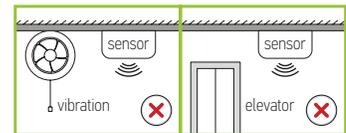
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



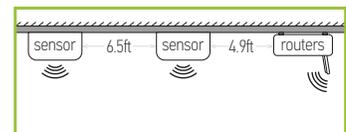
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



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



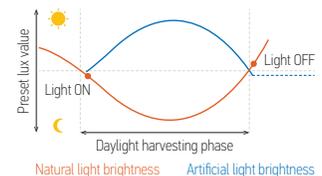
At least 2 m/6.5 ft distance between microwave sensors;



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" OS.
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:

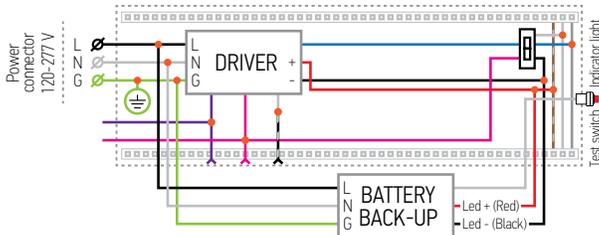
- Before performing a high-voltage insulation test, ensure the battery pack is removed and that there is no contact between the battery pack and the LED drivers.
- After testing, disconnect the battery pack unit connector before shipping and storing.
- During storage, the battery pack will need 24 hours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

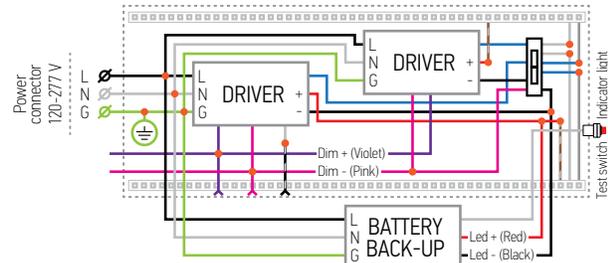
STANDARD OPERATION DISPLAY STATUS:

| 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 |

| | | | |
|--------|---|--|---|
| |  |  |  |
| 0-10 V | 2100 2101 2102 | Diva DTV | IP-710-DL |

COLOR TEMPERATURE GUIDE



| | | | | |
|--|---|--|---|--|
| <p>2700K</p> <p>WARM WHITE</p> <p>friendly personal intimate</p> <p>HOMES LIBRARIES RESTAURANTS</p> <p style="color: red; font-size: 2em;">X</p> | <p>3000K</p> <p>SOFT WHITE GLOW</p> <p>soft warm pleasing</p> <p>HOMES HOTEL ROOMS LOBBIES RETAIL STORES</p> <p style="color: red; font-size: 2em;">X</p> | <p>3500K</p> <p>NEUTRAL GLOW</p> <p>sociable inviting non-threatening</p> <p>EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS</p> <p style="color: green; font-size: 2em;">✓</p> | <p>4000K</p> <p>COOL WHITE GLOW</p> <p>neat clean efficient</p> <p>OFFICES CLASSROOMS MASS MERCHANTISERS SHOWROOMS</p> <p style="color: green; font-size: 2em;">✓</p> | <p>5000K</p> <p>DAYLIGHT GLOW</p> <p>bright cool alert</p> <p>GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS</p> <p style="color: green; font-size: 2em;">✓</p> |
|--|---|--|---|--|