ALCON LIGHTING

SPECIFICATION SHEET

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Project Name: Type: Quantity:

INTENDED USE

The specification grade UFO helmut series LED round high bay light fixture provides energy efficient high bay with 170lms/W output, lighting with excellent protection against light beam intensity and heat conduction. The luminaire is made with an 0-10V dimmable driver for stability, high performance and long life. You can choose either a 3,000K warm white, 4,000K cool white or 5,000K daylight color temperature, and change the power with a simple switch. Perfect for gymnasiums, warehouses, industrial facilities and other commercial high bay applications, the UFO helmut series unique lightweight aluminum alloy design with loop heat pipe allows for excellent heat dissipation.

Infrared Motion sensor

Polycarbonate Reflector

Bottom Conical Lens

FEATURES

Construction: Die-cast Aluminum
Reflector Options: 16" / 21" aluminum or 16" / 19" polycarbonate
Lens: Anti-glare polycarbonate and bottom conical lens available as accessory.
Color temperature selectable switch: 3,000K, 4,000K, and 5,000K.
Suspension length: 4 foot cord
Dimming: 0-10V
Voltage: 120-277 VAC
CRI: 80
Power Factor: >0.9
THD: <20%
Life: >141,000 hrs
Operating Temperature: -40 to 149°F (-40 to 65°C)
Warranty: 5 years carefree for parts & components (labor not included)
Listings: cUL Certified, DLC Listed, FCC Listed, IP69K

Size	Wattage	Lumens
9-1/16"	100W | 120W | 150W	17,000lms | 20,400lms | 25,500lms
12-3/16"	100W | 150W | 200W	17,000lms | 20,400lms | 34,000lms
16-9/16"	300W | 400W | 500W	51,000lms | 68,000lms | 85,000lms

PACKAGE CONTENTS:

Description	Q-ty
Industrial Kitchen LED UFO High Bay Light	1
Mounting ring (A)	1

SPEC GRADE · LIMITED 5-YEAR WARRANTY · DLC LISTED · c UL us · IP69K · WATTAGE SELECTABLE · CCT SELECTABLE · 120V · 277V · FC

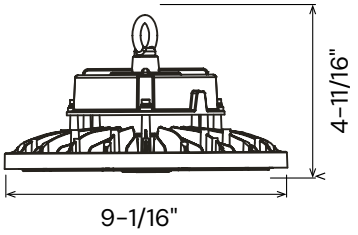
ORDERING INFORMATION Example: 15130-S-9-BK-PR-EM4

Model	Mounting	Size[2]	Finish	Optional Accessories	Options
15130	**Blank**[1] Standard **P** Pendant with Junction box **S** Surface	**9**[3] 9-1/16" **12**[4] 12-3/16" **16**[5] 16-9/16"	**BK** Black **WH**[6] White	**PR** 16" Polycarbonate Reflector **PBL**[7] Polycarbonate bottom conical lens **SH**[8] Spring hook	**EM4**[9] 40W External Emergency Battery **EM6**[9] 60W External Emergency Battery **IMS**[9] Infrared Motion Sensor **RC**[10] Remote Control for Infrared Motion Sensor

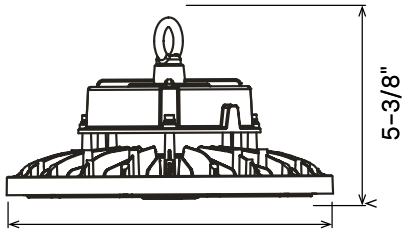
1 Fixture comes standard with a ring in which a chain (not included) can be attached for mounting.
2 Size refers to fixture's diameter, see further information in page 2.
3 9-1/16" available in 100W, 120W, and 150W.
4 12-3/16" available in 100W, 150W, and 200W.
5 16-9/16" available in 300W, 400W, and 500W.
6 White finish not available for size 16-9/16"
7 Polycarbonate bottom conical lens only compatible with Polycarbonate reflector.
8 Spring hook is ideal for installing fixture to ceiling, not available for size 16-9/16. See measurements in page 2.
9 Remote test switch for External Emergency Battery is included. Not available for 500W.
10 Suggested for programming high volume of fixtures.

LINE DRAWINGS

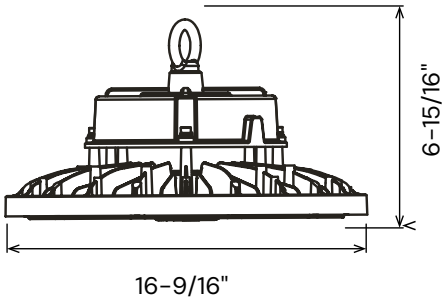
15130-9



15130-12

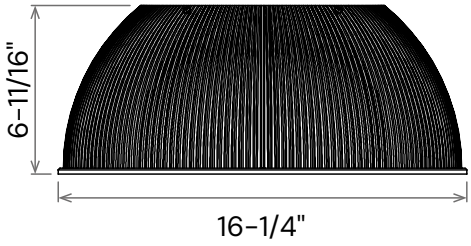


15130-16

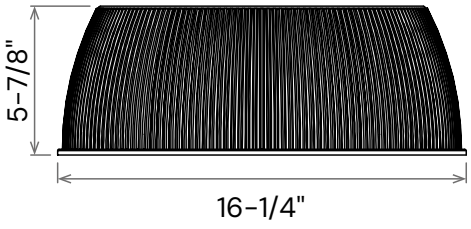


Polycarbonate reflector 16" 90°

100W and 150W

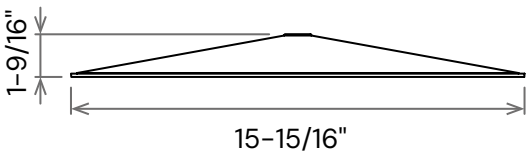


200W +



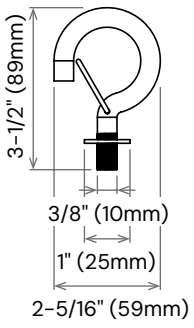
Polycarbonate bottom conical lens

PBL



Spring hook

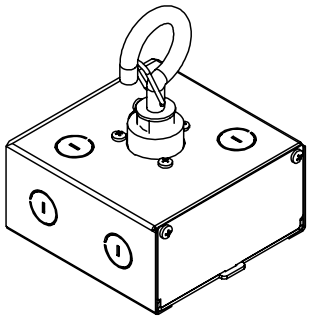
SH

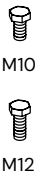


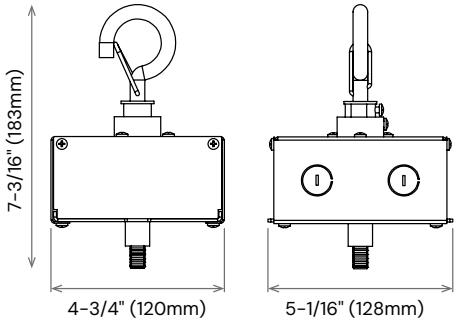
MOUNTING

Pendant mount bracket with j-box and spring hook

15130-PJ

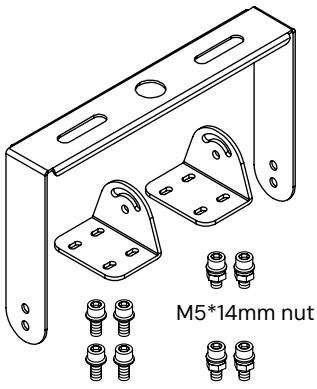


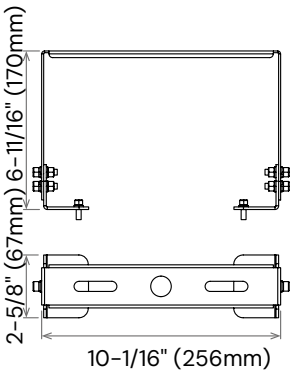




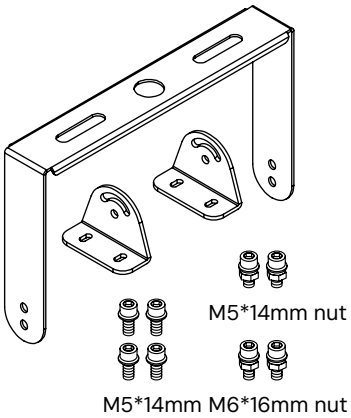
Surface mount bracket

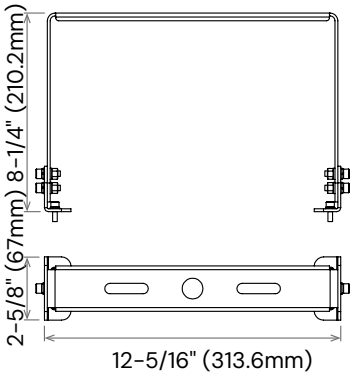
15130-S | 100-300 Watts





15130-S | 400-500 Watts



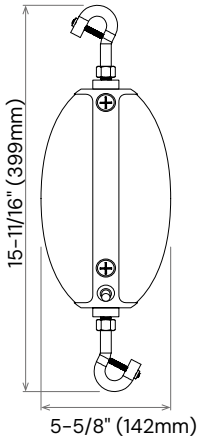


EXTERNAL EMERGENCY BATTERY KIT

EM6, EM6 listed for field and factory installation, provides constant power output to the load during emergency mode operation. They maintain illumination in emergency mode for a minimum of 90 minutes. It is an ideal emergency solution for UFO Helmut Series Architectural LED Round High Bay Light Fixture

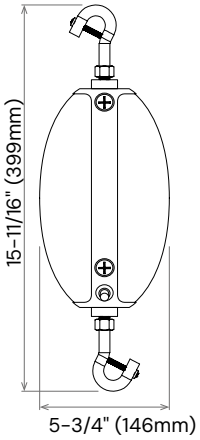
40W External Emergency Battery

EM4



60W External Emergency Battery

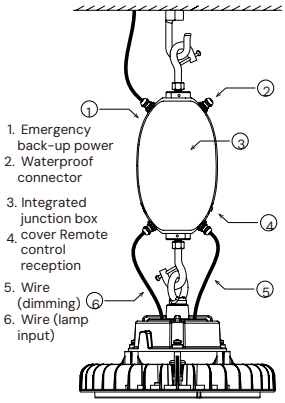
EM6



Remote test switch for External Emergency Battery

Press the ON button to switch battery to the back-up mode. The indicator light will turn off and fixture will decrease light output.

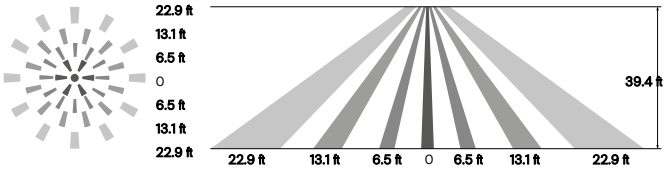
Press OFF to switch the fixture to normal operation mode.



Specifications	EM4	EM6
Input voltage	100-347 V	
Input current	**≤ 200 mA**	
Input power	max 15W	
Standby input power	< 0.8W (finished charging)	
Maximum standby time between recharges	6 months	
Driver type	Constant power	
Output power (emergency mode)	40W	60W
Output voltage range	**≤ 170 Vdc**	
Lumens	6,000 lm	
Maximum load power	300W (when dimming to a minimum, the power needs to be less than 36W)	
Peak output power (emergency mode)	100W (lasts for 10 seconds)	
Number of output channels	1 channel	
RFI/EMI	FCC part 15 class B	
Output type	LED class 1	
Battery type	Li-ion	
Battery capacity available	2600 mAh (96 WH)	
Battery recharge time	24 hours	
Battery discharge time	90 min	
Maximum lighting fixture weight	44.1 lbs (20 kg)	
Self-diagnostic test system	In the normal charging mode, the system performs a self-diagnostic test every 30 days, the system switches to emergency mode for 30S, and then automatically switches back to the normal charging mode.	
	In the normal charging mode, the system switches to emergency mode every 360 days (after 11 monthly self-diagnostic test) and works until the end of discharge. Automatically switches back to normal charging mode after discharge.	
Operating temperature	-32°F to 122°F (0°C to 50°C)	
Service life	50,000 hours	
Input surge protection	2 kV	
Protections	Battery over discharge protection, output short circuit protection	
Approvals/class	RoHS, UL924 listed, CEC title 20	
	Dry/Wet Locations, IP65	

INFRARED MOTION SENSOR KIT

IMS



Mounting height < 39.4 ft (12 m) ceiling

Detection distance radius 9.8-22.9 ft (3-7 m)

mounting User notes:

1. The driver voltage shall be stable and float within 10%.
2. Detection area options may NOT working obviously because it works depends on fresnel lens, it's physically defined.
3. Detection distance performance works better when moving parallel to the sensor as opposed to towards it.
4. Conduct testing with adequate ambient lighting for best results.
5. Dimming performance differs when connected to different drivers; If the driver can't completely turn OFF, sensor can't either.
6. The first time powering ON the sensor, light will be ON 100% for about 45S then dims to standby level or OFF.

Installation precautions:

1. PIR sensor can't be placed inside any material, fresnel lens must be completely exposed in air.
2. Fresnel lens of the PIR sensor must be lower than light fixture.
3. Suitable for ceiling mount installation, adjust sensitivity properly if it's installed on a wall because it will become more sensitive.

Application environment:

1. Suitable for indoor application, half/completely outdoor environment conditions might trigger the sensor.
2. Not suitable environment if there's sudden changed temperature of airflow for PIR sensor.
3. Not suitable environment if there's shelves between the sensor and target area.
4. Shall be mounted securely, to avoid any false triggers caused by movement of the fixture itself.

Default Setting:

Specifications	
Detection area	100 %
Hold time	10 min
Daylight threshold	Disable
Stand-by period	0 s
Stand-by dimming level	10 %

Specifications

Operating voltage	
Operating current	< 15 mA
Detection area	25 %/50 %/75 %/100 %
Hold time	Remote control: 5 s/30 s/1 min/3 min/5 min/10 min/20 min/30 min Built-in switch: 5 s/1 min/5 min/10 min
Daylight threshold	2 lux (0.2 fc)/10 lux (0.9 fc)/30 lux (2.8 fc)/50 lux (4.7 fc)/80 lux (7.4 fc)/120 lux (11.2 fc)/200 lux (18.6 fc)/250 lux (23.2 fc)/ 300 lux (27.9 fc)/350 lux (32.5 fc)/400 lux (37.2 fc)/disable
Standby period	0 s/10 s/30 s/1 min/5 min/10 min/30 min/60 min/+ ∞
Standby dimming level	Remote control: 10 %/20 %/30 %/50 % Built-in switch: 0 %/10 %/30 %/50 %
Mounting height	≤ 39.4 ft (12 m)
Detection range	≥ 9 ft (3 m)
Operating frequency	-
Transmitting power	-

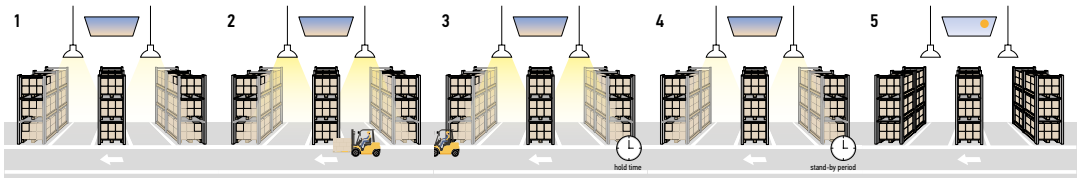
Remote Control for Infrared Motion Sensor

RC

Button		Remarks	Button		Remarks	Button		Remarks
ON/OFF	ON/OFF	Turn the sensor ON/OFF.	M H	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	Auto	Enter "sensor mode" and perform previous settings.	Send	Send	Memorize and send out the previous setting of individual parameters.		Down	
Reset	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	CCT Selectable	Not applicable to this product.
Scenes	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	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	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	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.
Appy	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	Test button	Press this button to test the sensor; it will temporarily change the hold time to 2s. This setting cannot be saved.

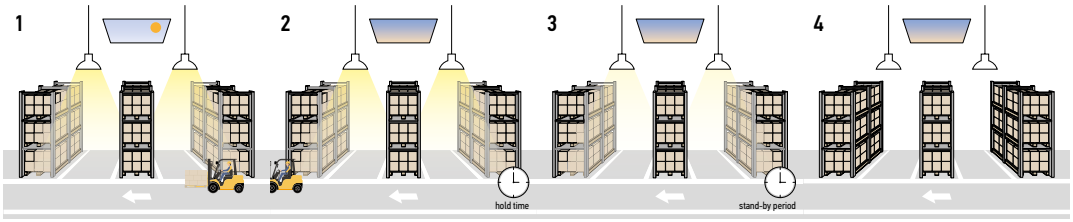
WITH DUSK/DAWN FUNCTION:

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.



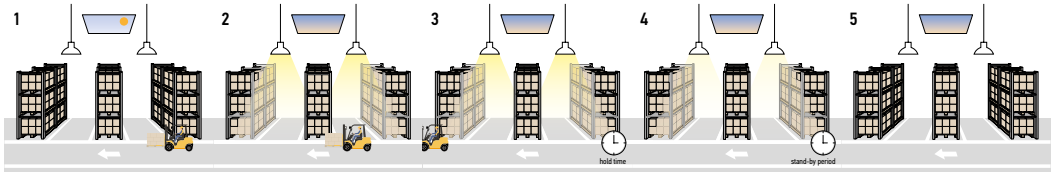
WITH DAYLIGHT DISABLED:

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.



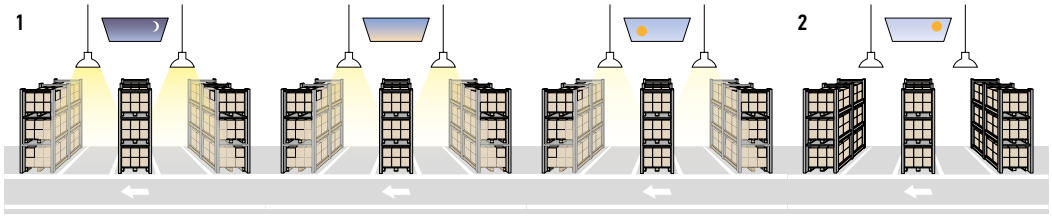
WITH DAYLIGHT THRESHOLD:

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.



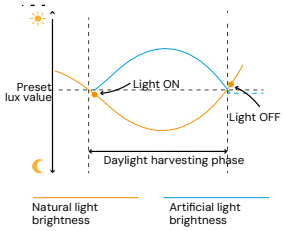
DAYLIGHT HARVESTING:

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.



DAYLIGHT HARVESTING SETTING:

1. Adjust "daylight" value higher than 50lux.
2. Preset "standby period" 0S
3. Press MW/PIR button 3 times until the MW/PIR icons are both blinking on LCD screen, daylight harvesting function enabled. (With BLE version, press DH button, daylight harvesting function enabled).



COLOR TEMPERATURE GUIDE