



# LED UFO HIGH BAY WITH Q-BASE

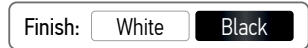
► **DESIGN** - LED UFO HIGH BAY with Q-base is high efficient with a 150lm/W output. Die-cast aluminum housing with excellent heat dissipation along with an anti-glare PC lens provide many years of use. It can operate in temperatures ranging from -40 to 140°F. It is designed to operate on 120-277V circuits with a 0-10V dimmable driver. Surge protection 6kV protects the fixture from voltage spikes and current surges.

► **IP69K** - Rating provides protection against ingress of dust and high temperature, high pressure water.

► **POWER SELECTABLE** - You can easily change the power and light output with a simple switch.

► **INSTALLATION** - This fixture has three different mounting options: suspended, surface, and pendant. It comes with 4 ft cord. Perfect commercial or industrial solution for warehouses, supermarkets, retail stores, gyms, and many other applications.

► **ADVANTAGES** - With calculated lifespan up to 143,000 hours, these fixtures are made to last decades under normal operation! ASD provides a 5-year limited warranty along with UL and DLC Premium certifications to guarantee top quality products and safety!



## PRODUCT PRESENTATION:

Model	Power	Sensor base	Voltage	Dimming	Lumens	CCT	Finish	Dimensions	Feature	Certification
ASD-UHB2A-150A50-BK	100/120/150W	3-pin	120-277V	0-10V	23013lm	5,000K	Black	11" x 11" x 6 3/4"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-200A50-WH	100/150/200W	3-pin	120-277V	0-10V	30978lm	5,000K	White	11" x 11" x 6 3/4"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-200A50-BK	100/150/200W	3-pin	120-277V	0-10V	30978lm	5,000K	Black	11" x 11" x 6 3/4"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-240A50-BK	150/200/240W	3-pin	120-277V	0-10V	37120lm	5,000K	Black	12 5/8" x 12 5/8" x 6 3/4"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-300A50-BK	200/240/300W	3-pin	120-277V	0-10V	45148lm	5,000K	Black	12 5/8" x 12 5/8" x 7 15/16"	Cord 4 ft	UL (E473804), DLC Premium
SENSORS AND REMOTE										
ASD-09MW-WH	Microwave motion sensor 3pin white							2-1/8" x 2-1/8" x 1-5/16"	-	-
ASD-09MW-BK	Microwave motion sensor 3pin black							2-1/8" x 2-1/8" x 1-5/16"	-	-
ASD-09IR-WH	Infrared motion sensor 3pin 39 ft white							2-1/8" x 2-1/8" x 1-11/16"	-	-
ASD-09IR-BK	Infrared motion sensor 3pin 39 ft black							2-1/8" x 2-1/8" x 1-11/16"	-	-
ASD-09IR50-WH	Infrared motion sensor 3pin 50 ft white							2-1/8" x 2-1/8" x 1-11/16"	-	-
ASD-09MW-NLS-WH	Microwave motion sensor NLS 3pin white							2-1/8" x 2-1/8" x 1-3/8"	-	-
ASD-09IR-NLS-WH	Infrared motion sensor NLS 3pin 39 ft white							2-1/8" x 2-1/8" x 1-11/16"	-	-
ASD-06RC	Remote control for motion sensor							5-11/16" x 1-3/4" x 13/16"	-	-

For detailed luminous flux information please refer to Annex 1, page 2.

## TECHNICAL PARAMETERS:

Model	Max input current	Inrush current	Work environment	Operating temperature *	Power factor	Surge protection	Housing	Lens	CRI
ASD-UHB2A-150A50-BK	1.4A	88A	Wet location	-40°F to 140°F (-40°C to 60°C)	> 0.9	6kV	Aluminum	PC	> 70
ASD-UHB2A-200A50-WH	1.9A	95A	Wet location	-40°F to 140°F (-40°C to 60°C)	> 0.9	6kV	Aluminum	PC	> 70
ASD-UHB2A-200A50-BK	1.9A	95A	Wet location	-40°F to 140°F (-40°C to 60°C)	> 0.9	6kV	Aluminum	PC	> 70
ASD-UHB2A-240A50-BK	2.3A	92A	Wet location	-40°F to 140°F (-40°C to 60°C)	> 0.9	6kV	Aluminum	PC	> 70
ASD-UHB2A-300A50-BK	2.8A	100A	Wet location	-40°F to 140°F (-40°C to 60°C)	> 0.9	6kV	Aluminum	PC	> 70

\* Under extreme conditions fixture may enter protection mode. If ambient temperature exceeds 140°F (60°C) for an extended period, lumen output will decrease to 60% capacity. At higher sustained temperatures protection mode will terminate power to the fixture.

For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)



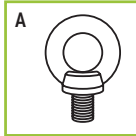
# LED UFO HIGH BAY WITH Q-BASE

## DIMMING COMPATIBLE CONTROLS:

Brand	Leviton		Lutron	
Models	ZS057-DOZ	DD710	MS-Z101	NTSTV
	DS710	IP710	DVSTV	DVTV

## PACKAGE CONTENTS:

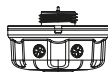

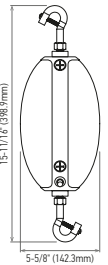

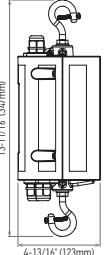
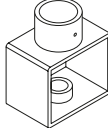
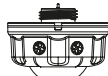



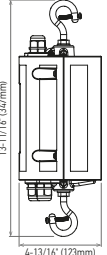
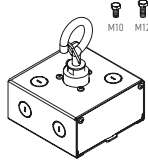
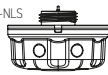
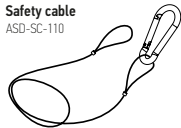


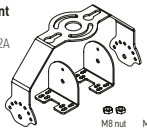
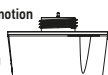
Description	Quantity
LED UFO High Bay with Q-Base	1
Mounting ring (A)	1
Box	1



## ANNEX 1

Model	Watts	5,000 K
ASD-UHB2A-150A50-BK	100W	15,885 lm
	120W	18,884 lm
	150W	23,013 lm
ASD-UHB2A-200A50-WH ASD-UHB2A-200A50-BK	100W	15,885 lm
	150W	24,520 lm
	200W	30,978 lm
ASD-UHB2A-240A50-BK	150W	24,810 lm
	200W	31,641 lm
	240W	37,120 lm
ASD-UHB2A-300A50-BK	200W	32,649 lm
	240W	38,070 lm
	300W	45,148 lm

## ACCESSORIES (sold separately):

<b>Microwave motion sensor 3pin</b> ASD-09MW 	<b>Remote control for motion sensor</b> ASD-06RC 	<b>Battery back-up kit 40W</b> BLD-RM40R 	<b>Battery back-up kit 60W</b> BLD-RM60R 	<b>NLS battery back-up kit 40W</b> ASD-EMB40-NLS 	<b>Pendant mount bracket</b> ASD-PMB-UHB 
<b>Infrared motion sensor 3pin</b> ASD-09IR 	<b>Spring hook</b> ASD-H-M10 	<b>Screw-bolt hook</b> ASD-HS-M10 	<b>Remote test switch for battery back-up kit</b> RW1 	<b>NLS battery back-up kit 60W</b> ASD-EMB60 	<b>Pendant mount bracket with j-box and spring hook</b> ASD-PMB-JB-UHB 
<b>Microwave motion sensor NLS 3pin</b> ASD-09MW-NLS 	<b>Safety cable</b> ASD-SC-T10 	<b>Clear lens for 150-200W</b> ASD-L60A-UHB2A 	<b>Clear lens for 240-300W</b> ASD-L60B-UHB2A 	<b>Surface mount bracket</b> ASD-SMB-UHB2A 	<b>Infrared motion sensor 3pin 50ft</b> ASD-09IR50 

## ACCESSORY COMPATIBILITY LIST:

Models	Accessories																
	Microwave motion sensor 3pin ASD-09MW	Infrared motion sensor 3pin ASD-09IR ASD-09IR50	Microwave motion sensor NLS 3pin ASD-09MW-NLS-WH	Infrared motion sensor NLS 3pin ASD-09IR-NLS-WH	Battery back-up kit 40W BLD-RM40R	Battery back-up kit 60W BLD-RM60R	Battery back-up kit 40W ASD-EMB40	Battery back-up kit 60W ASD-EMB60	NLS Battery back-up kit 40W ASD-EMB40-NLS	Spring hook M10 ASD-H-M10	Screw-bolt hook M10 ASD-HS-M10	Safety cable ASD-SC-T10	Pendant mount bracket ASD-PMB-UHB	Pendant mount bracket with j-box and spring hook ASD-PMB-JB-UHB	Surface mount bracket ASD-SMB-UHB2A	Clear lens ASD-L60A-UHB2A	Clear lens ASD-L60B-UHB2A
ASD-UHB2A-150A50-BK	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ASD-UHB2A-200A50-WH	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ASD-UHB2A-200A50-BK	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ASD-UHB2A-240A50-BK	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ASD-UHB2A-300A50-BK	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Note: Battery back-up kit and the motion sensor cannot be installed on the same fixture.

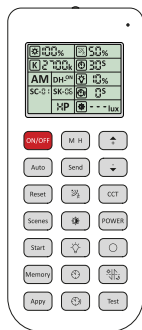
For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)



# LED UFO HIGH BAY WITH Q-BASE

## MOTION SENSOR INFORMATION

REMOTE CONTROL **ASD-06RC** sold separately

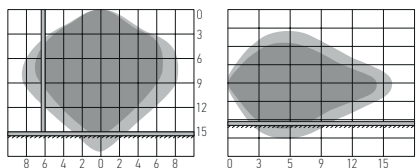


Button	Remarks	Button	Remarks	Button	Remarks
<b>ON/OFF</b>	ON/OFF Turn the sensor ON/OFF.	<b>M H</b>	Mounting height Adjust detection area/sensitivity levels according to real installation situations, higher or lower.	<b>Up</b>	The main functional buttons to adjust the factors to desired level.
<b>Auto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

**!** Use the ASD-06RC remote control to put the ASD-09-NLS sensor in pairing mode. Point the remote control at the sensor and press the "RESET" button.



### MICROWAVE MOTION SENSOR:



Highest mounting height is 49.2 ft (15 m). This figure indicates the maximum distance at the highest mounting height with 100 % sensitivity.

- Well detected area
- Possibly detected area

Ceiling mounted

Wall mounted

#### User notes:

- Microwaves can penetrate walls or glass thinner than 0.8" but will be impaired if thicker than 0.8".
- The driver voltage shall be stable and float within 10 %.
- Detection area will be affected by speed of motion, mounting height and movement volume.
- Conduct testing with adequate ambient lighting for best results.
- Dimming performance differs when connected to different drivers; if the driver can't completely turn OFF, sensor can't either.
- The first time powered ON sensor, light will be ON 100% for about 10S then dims to standby level or OFF.

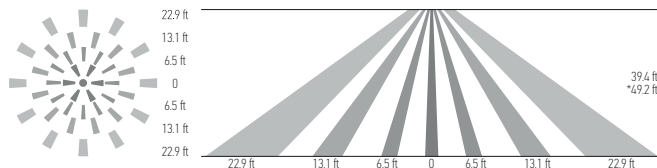
#### Installation precautions:

- Suitable for ceiling mount installation, adjust sensitivity properly if it's installed on side-wall because it gets more sensitive.
- Make sure the microwave module is completely exposed.
- The detection surface of the sensor module should be installed facing the detection area.

#### Application environment:

- Suitable for indoor application, half/completely outdoor environment conditions might trigger the sensor.
- Shall be mounted securely, to avoid any false triggers caused by movement of the fixture itself.
- Keep the sensor module away from AC input and DC output to avoid high/low frequency signal interference.

### INFRARED MOTION SENSOR:



Mounting height < 39.4 ft (12 m) ceiling mounting (\* for ASD-09IR50 < 49.2 ft (15 m))

#### User notes:

- The driver voltage shall be stable and float within 10%.
- Detection area options may not function as expected because they depend on the Fresnel lens, which physically determines their operation.
- Detection distance performance works better when moving parallel to the sensor as opposed to towards it.
- Conduct testing with adequate ambient lighting for best results.
- Dimming performance differs when connected to different drivers; if the driver can't completely turn OFF, sensor can't either.
- The first time powering ON the sensor, light will be ON 100% for about 45S then dims to standby level or OFF.

#### Installation precautions:

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

#### Application environment:

- Suitable for indoor application, partial/completely outdoor environment conditions might trigger the sensor.
- The PIR sensor is not suitable for environments with sudden changes in temperature or airflow.
- Not suitable environment if there's shelves between the sensor and target area.
- Shall be mounted securely, to avoid any false triggers caused by movement of the fixture itself.

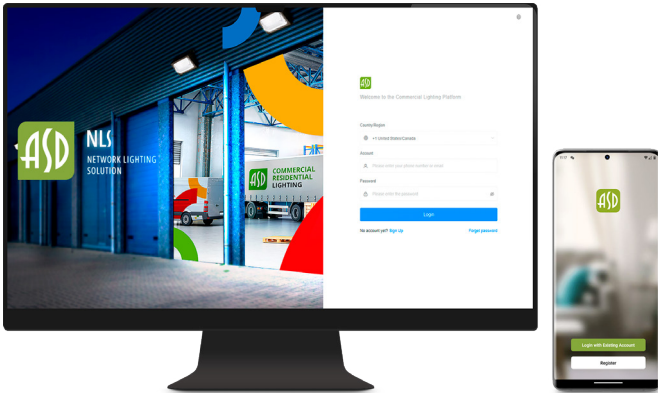
Specifications	models: ASD-09MW, ASD-09MW-NLS	models: ASD-09IR, ASD-09IR-NLS	models: ASD-09IR50	Default setting
Detection area	25 %/50 %/75 %/100 %			100 %
Hold time	<b>Remote control:</b> 5 s/30 s/1 min/3 min/5 min/10 min/20 min/30 min	<b>Built-in switch:</b> 5 s/1 min/5 min/10 min		10 min
Daylight 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	<b>Remote control:</b> 10 %/20 %/30 %/50 %	<b>Built-in switch:</b> 0 %/10 %/30 %/50 %		10 %
Operating voltage	10 - 15 V			
Operating current	< 30 mA	< 15 mA	< 30 mA	-
Mounting height	max 49.2 ft (15 m)	max 39.4 ft (12 m)	max 49.2 ft (15 m)	-
Detection range	≥ 9 ft (3 m)	9.8 - 22.9 ft (3-7 m)		-
Operating frequency	5.8 GHz ± 75 MHz	-	-	-
Transmitting power	< 0.3 mW	-	-	-

For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)





# LED UFO HIGH BAY WITH Q-BASE



ASD NLS is a professional-grade smart control application designed to manage and control lighting fixtures in commercial properties. With ASD NLS, you can conveniently control your lights from your smartphone or PC, anytime and anywhere.

You can group fixtures by rooms, floors and objects, and create schedules based on day and time. You can also grant permanent or temporary permissions to employees and guests with different access levels. Our smart platform enables you to monitor energy usage statistics, view the status of each fixture, and much more.

► For ASD-NLS sensors download ASD NLS App and add the fixture to it according to the manual (download manuals and app from the links or scan the QR codes on the right).



[Desktop manual](#)



[Smartphone manual](#)



**ASD-09MW-NLS**  
Microwave motion sensor NLS 3pin



**ASD-09IR-NLS**  
Infrared motion sensor NLS 3pin



[ASD NLS APP download Android](#)



[ASD NLS APP download iOS](#)



## FIXTURE CONTROL

Set brightness, standby time and dimming level, or apply scenes and schedules.



## SCHEDULING

Set a variety of customizable start / end actions based on time of day and days of the week.



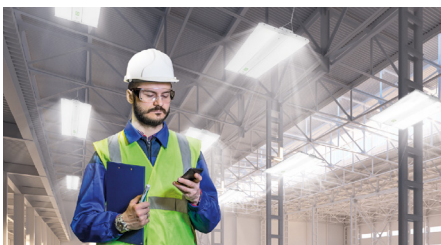
## ADVANCED AREA MANAGEMENT

Create and customize projects for different types of areas, buildings, floors and zones.



## CONTROL PERMISSIONS

Give your staff or installers control over the lighting.



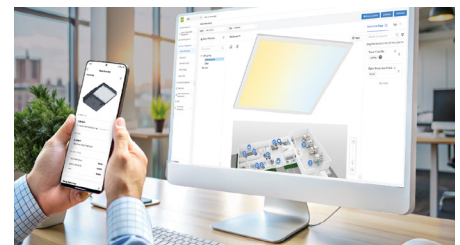
## ADVANCED ENERGY CONSUMPTION

Monitor equipment status and receive daily reports.



## PROJECT OVERVIEW

Monitor device status and daily reports.



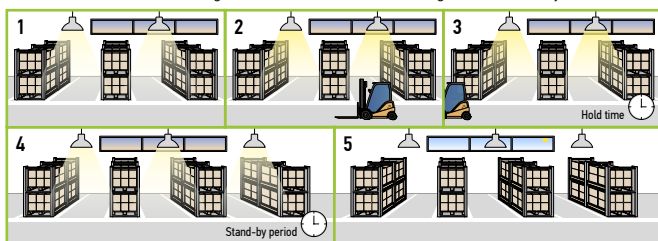
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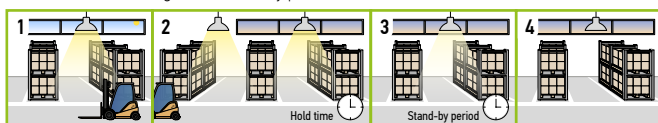
## WITH DUSK/DAWN FUNCTION:

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.



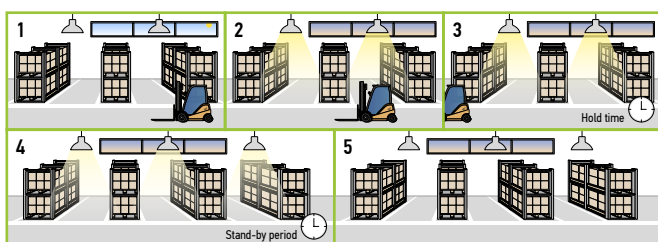
## WITH DAYLIGHT DISABLED:

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.



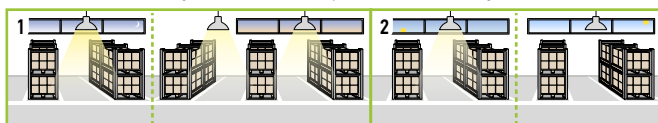
## WITH DAYLIGHT THRESHOLD:

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.



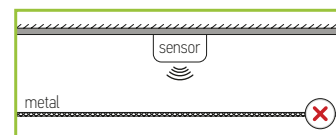
## DAYLIGHT HARVESTING:

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.

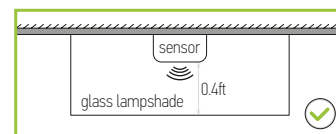


## MICROWAVE MOTION SENSOR:

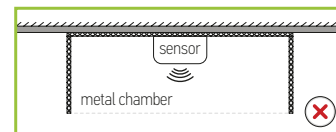
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



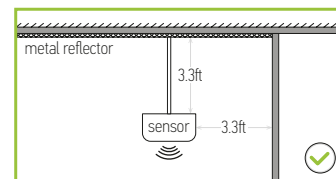
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



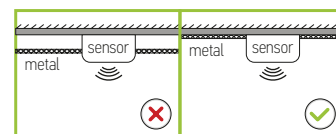
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



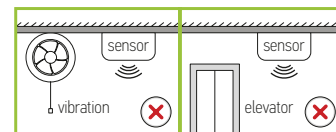
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



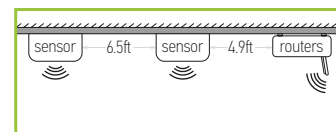
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



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

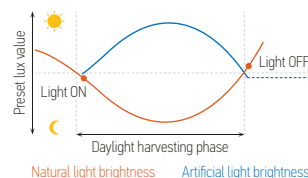


At least 2 m/6.5 ft distance between microwave sensors; 1.5 m/4.9 ft between the sensor and other wireless devices such as routers to avoid possible radio interference.



## 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.



For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)

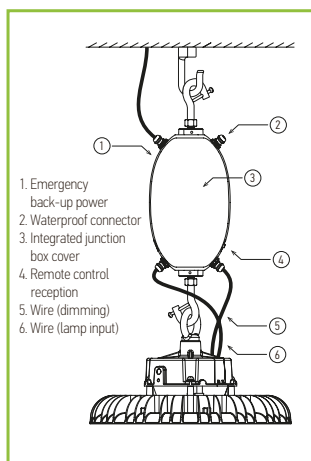


# LED UFO HIGH BAY WITH Q-BASE

## BATTERY BACK-UP KIT INFORMATION

**BLD-RM40R** **BLD-RM60R** sold separately:

BLD-RM40R, BLD-RM60R 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 LED highbay lights.



### REMOTE TEST SWITCH

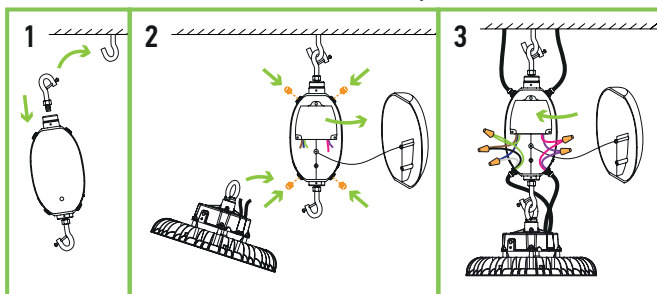
**RN1** sold separately:

Button	Remarks
ON	Press this button to switch battery to back-up mode. The indicator light will turn off and fixture will decrease light output.
OFF	Press this button to switch the fixture to normal operation mode.



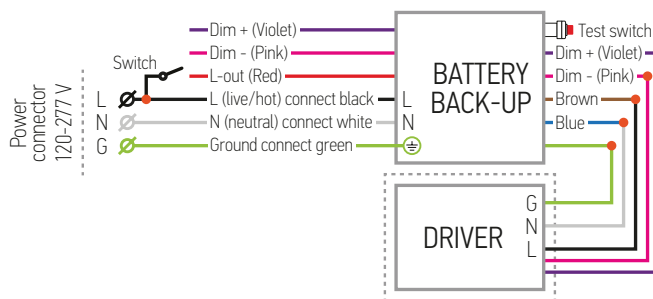
### INSTALLATION STEPS:

1. Install the G-hook into the top threaded hole of the battery back-up and secure with the screw. Attach the battery back-up with G-hook to the ceiling hook.
2. Loosen the screw on the enclosed hook at the bottom of the emergency back-up, attach the ring on the fixture to the hook, and tighten the screw. Open the cover, remove the plastic covers, and install the five waterproof connectors.
3. Pull all wires through the waterproof connectors into the chamber of emergency driver. Connect the brown, blue, and green wires to the fixture's AC input. Connect the purple and pink dimming wires to the LED driver's dimming input. Connect the black, white, and red wires from the battery backup to the AC main power cord. Secure all connections with wire nuts and close the junction box cover.



Specifications	BLD-RM40R	BLD-RM60R
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	40°F to 122°F (5°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	

### ELECTRICAL SCHEMATIC DIAGRAM:



For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)



# LED UFO HIGH BAY WITH Q-BASE

## BATTERY BACK-UP KIT INFORMATION

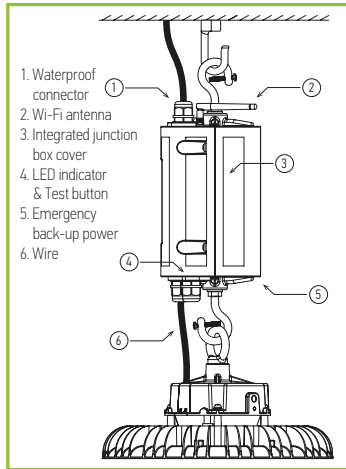
ASD-EMB40

ASD-EMB60

ASD-EMB40-NLS

sold separately:

ASD-EMB40-NLS 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 LED highbay. Easily control the testing results and other parameters of the battery with ASD NLS application for smartphone is available.






### STANDARD OPERATION DISPLAY STATUS:

**AC operation:** AC power is present. The AC driver operates the LED load as designed. The emergency driver is charging in standby mode. The charging indicator will be lit, showing that the battery is charging.

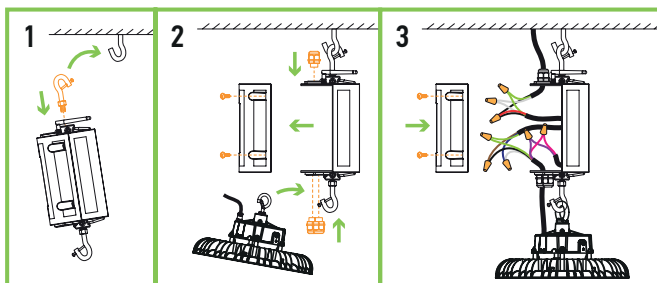
**Emergency operation:** When the AC power goes out, the emergency driver detects the AC power outage and automatically switches to emergency mode. When red LED light is OFF, that means driver is discharging. When the AC power is restored, the emergency driver goes back to AC power and starts recharging.

**Malfunction mode:** This mode can mean that: the battery pack is disconnected or it is broken; the load is disconnected; short circuit or open circuit; the wires are not connected properly; the indicator will be flashing in this case.

Test switch	Emergency mode	Charging	Malfunction mode
 OFF	 OFF	 ON	 Blinking

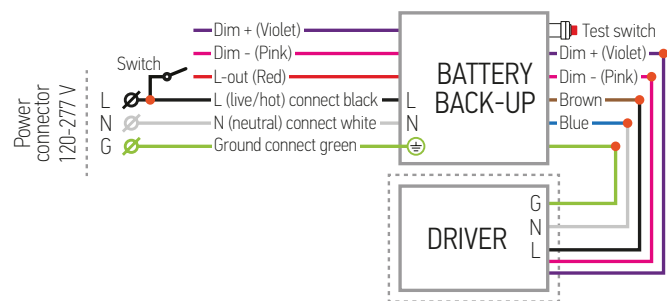
### INSTALLATION STEPS:

1. Install the G-hook into the top threaded hole of the battery back-up and secure with the screw. Attach the battery back-up with G-hook to the ceiling hook.
2. Loosen the screw on the enclosed hook on the bottom of the emergency back-up, attach it to both the fixture and battery backup, then tighten the screw. Open the front cover of the emergency back-up, remove the plastic covers and install 2 waterproof connectors.
3. Pull all wires through the waterproof connectors into the chamber of emergency driver. Connect the brown, blue, and green wires to the fixture's AC input. Then connect the purple and pink wires to the LED drivers' dimming input. And then connect the black, white, and red wires to the AC main power cord. Secure all connections with wire nuts and close the junction box cover.



Specifications	ASD-EMB40-NLS	ASD-EMB40	ASD-EMB60
Input voltage	100-347 V		
Input current	max 0.15 A		
Input power	max 12W		
Standby input power	< 1W (finished charging)		
Maximum standby time between recharges	At least 6months, can be longer		
Driver type	0/1-10V dimmable constant current driver		
Output power (emergency mode)	40W	40W	60W
Output voltage range	≤ 120-200 Vdc (max 250 V)		
Lumens	4,000 lm		
Maximum load power	350W		
Peak output power (emergency mode)	400W (200 mS)		
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	6600 mAh (96 WH)		
Battery recharge time	24 hours		
Battery discharge time	90 min		
Maximum lighting fixture weight	44 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	1 kV		
Protections	Over charge/discharge protection, output overload protection, open load protection		
Approvals/class	RoHS, UL924 listed, CEC title 20 Dry/Wet Locations, IP65		

### ELECTRICAL SCHEMATIC DIAGRAM:



For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)

ASD LIGHTING CORP

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# LED UFO HIGH BAY WITH Q-BASE

## INSTALLATION GUIDE

### IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation!

- ▶ Make sure that the supply voltage corresponds to the rated product voltage.
- ▶ The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- ▶ If the product is damaged, do not use it.

### ⚠ WARNING

**Risk of personal injury** – read and follow all warnings and installation instructions. Keep or give to the owner for future reference.

**Risk of cuts:** Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

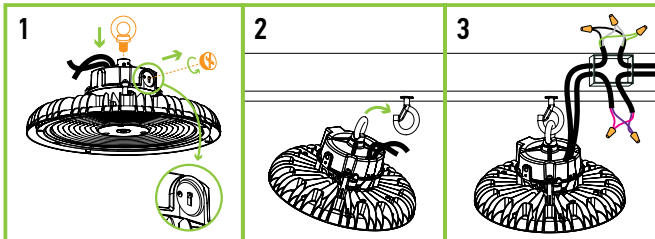
**Risk of electric shock:** This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

**Risk of Fire:** Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

ASD® assumes no responsibility for claims arising out of improper or careless installation or handling of this product.

### INSTALLATION STEPS:

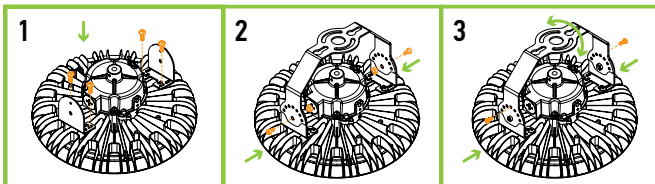
1. Screw on the mounting ring (included) and tighten it. Unscrew the knockout on the driver box and adjust power using the simple switch.
2. Clip the fixture on the hook in the ceiling using the mounting ring.
3. Connect the wires: Black to Black, White to White, Green to Green. Secure the connection with wire nuts.



### SURFACE MOUNT BRACKET INSTALLATION

**ASD-SMB-UHB2A** sold separately:

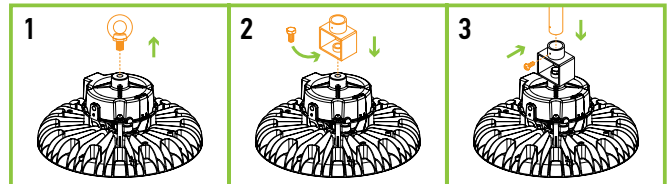
1. Use four M5x5/8" screws (included) to install bracket swivel on the top of the lamp body.
2. Use two M5x7/16" screws (included) to secure the bracket to the swivels.
3. Adjust the light direction and secure it using two M8x13/16" screws (included).



### PENDANT MOUNT BRACKET INSTALLATION

**ASD-PMB-UHB** sold separately:

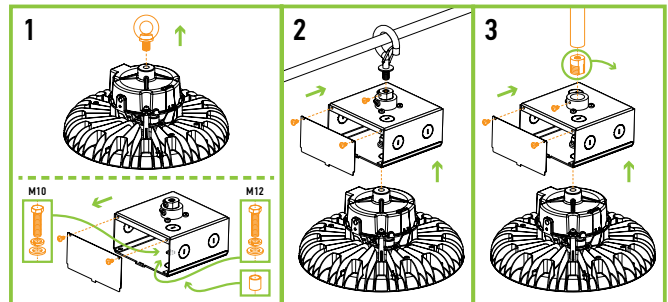
1. Remove the original ring from the driver.
2. Install the bracket and secure it to the driver using an M10 or M12 screw (included with the bracket).
3. Screw the bracket with the fixture onto a pole and secure it with an M3 screw (included with the bracket).



### PENDANT MOUNT BRACKET WITH J-BOX AND SPRING HOOK INSTALLATION

**ASD-PMBJB-UHB** sold separately:

1. Uninstall the mounting ring from the fixture. Unscrew the two screws and open the side plate on the Pendant Junction box. Install M10 or M12 Mounting screw depending on the fixture's thread size.
2. **Mounting hook installation:** Loosen security screw and install the spring hook into the upper installation hole of the Pendant J-Box, then secure it with screw. Secure Pendant J-box to the fixture, and then to the ceiling. Close and secure side plate back into place.
3. **Pendant installation:** Uninstall adapter from pole mounting hole. Secure the Pendant J-box and fixture to the pole. Secure fixture to the Pendant J-box. Close and secure side plate back into place.



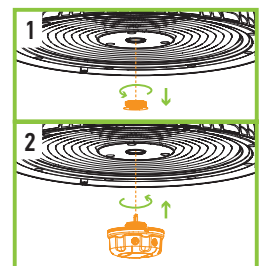
### MOTION SENSOR INSTALLATION

**ASD-09MW** **ASD-09MW-NLS**

**ASD-09IR** **ASD-09IR-NLS**

**ASD-09IR50** sold separately:

1. Unscrew the microwave sensor base cap.
2. Insert and twist the sensor until it is tight on the base surface.



For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)



# LED UFO HIGH BAY WITH Q-BASE

## ORDERING INFORMATION

Model	Product dimensions	Weight	Pcs. per carton	Carton size	Carton weight	UPC
ASD-UHB2A-150A50-BK	11" x 11" x 6 3/4"	4.2 lbs (1.9 kg)	1	11.6" x 11.6" x 6.3"	5.5 lbs	81012811590
ASD-UHB2A-200A50-WH	11" x 11" x 6 3/4"	4.2 lbs (1.9 kg)	1	11.6" x 11.6" x 6.3"	5.5 lbs	81012811591
ASD-UHB2A-200A50-BK	11" x 11" x 6 3/4"	4.2 lbs (1.9 kg)	1	11.6" x 11.6" x 6.3"	5.5 lbs	81012811579
ASD-UHB2A-240A50-BK	12 5/8" x 12 5/8" x 6 3/4"	5.5 lbs (2.5 kg)	1	13.2" x 13.2" x 6.3"	6.8 lbs	81012811592
ASD-UHB2A-300A50-BK	12 5/8" x 12 5/8" x 7 15/16"	6.6 lbs (3.0 kg)	1	13.2" x 13.2" x 6.9"	7.9 lbs	81012811593

## ACCESSORIES:

Model	Product dimensions	Pcs. in middle box	Middle box size	Middle box weight	Pcs. per carton	Carton size	Carton weight	UPC	GTIN 14 in middle box	GTIN 14 in carton
ASD-09MW-WH	2-1/8" x 2-1/8" x 1-5/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113700	20810128113704	30810128113701
ASD-09MW-BK	2-1/8" x 2-1/8" x 1-5/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113717	20810128113711	30810128113718
ASD-09IR-WH	2-1/8" x 2-1/8" x 1-11/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113694	20810128113698	30810128113695
ASD-09IR-BK	2-1/8" x 2-1/8" x 1-11/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128114349	20810128114343	30810128114340
ASD-09R50-WH	2-1/8" x 2-1/8" x 1-11/16"	10	5.5" x 2.6" x 11.4"	0.9 lbs	120	17.3" x 11.8" x 11"	10.7 lbs	810128116794	10810128116791	20810128116798
ASD-09MW-NLS-WH	2-1/8" x 2-1/8" x 1-3/8"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113762	20810128113766	30810128113763
ASD-09IR-NLS-WH	2-1/8" x 2-1/8" x 1-11/16"	10	5.5" x 2.6" x 11.4"	1.2 lbs	120	17.3" x 11.8" x 11"	12.1 lbs	810128113755	20810128113759	30810128113756
ASD-06RC	5-11/16" x 1-3/4" x 13/16"	10	6.3" x 2.9" x 11.4"	0.5 lbs	60	15.8" x 11.8" x 9.3"	24.7 lbs	810128114370	30810128114371	40810128114378
BLD-RM40R	15-11/16" x 15-11/16" x 5-9/16"	-	-	-	4	23.6" x 13.8" x 7.9"	32.5 lbs	81005073850	-	20810050738501
BLD-RM60R	15-11/16" x 5-3/4" x 5-3/4"	-	-	-	4	23.6" x 13.8" x 7.9"	37.7 lbs	81012811215	-	20810128112158
ASD-EMB40	8-3/8" x 5-3/16" x 4-13/16"	-	-	-	6	20.5" x 10.8" x 16.7"	31 lbs	81012811677	-	10810128116777
ASD-EMB60	8-3/8" x 5-3/16" x 4-13/16"	-	-	-	6	20.5" x 10.8" x 16.7"	33.6 lbs	81012811678	-	10810128116784
ASD-EMB40-NLS	8-3/8" x 5-3/16" x 4-13/16"	-	-	-	6	20.5" x 10.8" x 16.7"	31.3 lbs	81012811378	-	10810128113783
RN1	5-1/8" x 1-1/4" x 5/8"	-	-	-	50	13" x 9.8" x 6.5"	8.3 lbs	810050735223	-	20810050735227
ASD-H-M10	3-5/16" x 2-1/16" x 7/8"	-	-	-	50	12.6" x 7.7" x 6.9"	12.1 lbs	81920102531	-	20819201025316
ASD-HS-M10	3-7/8" x 1-5/8" x 1-5/16"	-	-	-	50	11.4" x 11.4" x 8.3"	12.6 lbs	81005073116	-	10810050731161
ASD-SC-110	-	-	-	-	500	12.2" x 12.2" x 7.7"	23.4 lbs	81012811920	-	10810128119204
ASD-PMB-UHB	2-3/8" x 1-9/16" x 2-13/16"	-	-	-	50	13.9" x 9.7" x 7.1"	33.7 lbs	81005073152	-	10810050731529
ASD-PMBJB-UHB	4-3/4" x 5-1/16" x 7-3/16"	-	-	-	40	17.7" x 11.4" x 21.3"	34.4 lbs	81005073699	-	20810050736996
ASD-SMB-UHB2A-WH	10-5/8" x 10-5/8" x 8-1/4"	-	-	-	20	20.3" x 17.1" x 15.8"	41.5 lbs	81012811569	-	10810128115695
ASD-SMB-UHB2A-BK	10-5/8" x 10-5/8" x 8-1/4"	-	-	-	20	20.3" x 17.1" x 15.8"	41.5 lbs	81012811568	-	10810128115688
ASD-L60A-UHB2A	9-15/16" x 9-15/16" x 9/16"	-	-	-	20	12.3" x 11.7" x 8.7"	9.3 lbs	81012811588	-	10810128115886
ASD-L60B-UHB2A	11-5/16" x 11-5/16" x 1/2"	-	-	-	20	12.2" x 12.2" x 9.5"	11.9 lbs	81012811589	-	10810128115893

For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)