English

NSF LED UFO HIGH BAY

DESIGN - NSF LED UFO HIGH BAY features a smooth, dust-proof surface that is easy to clean and has a watertight seal, making it resistant to frequent wash downs. The product is extemely efficient, with a 160 lm/w output. The corrosion-resistant aluminum housing and SUS316 stainless steel screws provide excellent heat dissipation, while the 4 ft 18AWG (1.02 mm) cord makes installation easier. The light operates on 120-277 V circuitsor on 200-480 V circuits for High Voltage models with a 0-10 V dimmable driver.

COLOR AND POWER SELECTABLE - 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 and change the power output ranges from 100 watts to 300 watts (depending on the model), with a simple control switch.

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

NSF - Certified by the National Sanitation Foundation as safe for food service processing facilities that require a higher level of sanitation.

ADVANTAGES - With calculated lifespan up to 167,000 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!

Motion Sensor | Wet locations | IP69K | NSF

Model	Power	Voltage	Dimming	Lumens	CCT	Finish	Dimensions	Cord
UFS-PRO								
ASD-UFS-PRO-200	100/150/200W	120-277 V	0-10 V	up to 31,503 lm	3CCT (3,000/4,000/5,000 K)	White	16-15/16" x 16-15/16" x 5-5/8"	4 ft
ASD-UFS-PRO-300	200/240/300W	120-277 V	0-10 V	up to 45,444 lm	3CCT (3,000/4,000/5,000 K)	White	16-15/16" x 16-15/16" x 5-5/8"	4 ft
UFS-PRO-QB WITH Q-BASE								
ASD-UFS-PRO-200-QB	100/150/200W	120-277 V	0-10 V	up to 31,503 lm	3CCT (3,000/4,000/5,000 K)	White	16-15/16" x 16-15/16" x 5-5/8"	4 ft
ASD-UFS-PRO-300-QB	200/240/300W	120-277 V	0-10 V	up to 45,444 lm	3CCT (3,000/4,000/5,000 K)	White	16-15/16" x 16-15/16" x 5-5/8"	4 ft
UFSHV-PRO-QB HIGH VOLTAGE WITH Q-BASE								
ASD-UFSHV-PRO-200-QB	100/150/200W	200-480 V	0-10 V	up to 31,503 lm	3CCT (3,000/4,000/5,000 K)	White	16-15/16" x 16-15/16" x 5-5/8"	4 ft
ASD-UFSHV-PRO-300-QB	200/240/300W	200-480 V	0-10 V	up to 45,444 lm	3CCT (3,000/4,000/5,000 K)	White	16-15/16" x 16-15/16" x 5-5/8"	4 ft
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 white						2-1/8" x 2-1/8" x 1-11/16"	-
ASD-09IR-BK	Infrared motion sensor 3pin black						2-1/8" x 2-1/8" x 1-11/16"	-
ASD-09IR50-WH	Infrared motion sensor 3pin 50ft 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"	-
ASD-09MW-NLS-WH	Microwave motion sensor smart 3pin white						2-1/8" x 2-1/8" x 1-3/8"	-
ASD-09IR-NLS-WH	Infrared motion sensor smart 3pin white						2-1/8" x 2-1/8" x 1-11/16"	-
ASD-06RC-NLS	Remote control for NLS devices						5-11/16" x 1-3/4" x 13/16"	-

For detailed luminous flux information please refer to Annex 1.

ANNEX 1

Model	Watts	3,000 K	4,000 K	5,000 K
ASD-UFS-PRO-200 ASD-UFS-PRO-200-QB ASD-UFSHV-PRO-200-QB	100W	17,011 lm	17,635 lm	17,702 lm
	150W	23,914 lm	24,940 lm	24,520 lm
	200W	30,963 lm	32,340 lm	31,503 lm
ASD-UFS-PRO-300 ASD-UFS-PRO-300-QB ASD-UFSHV-PRO-300-QB	200W	30,053 lm	31,616 lm	31,794 lm
	240W	35,388 lm	37,338 lm	37,095 lm
	300W	44,130 lm	46,286 lm	45,444 lm

For most up-to-date spec sheets please refer to asd-lighting.com

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CERTIFIED | NSF | DLC LISTED PREMIUM

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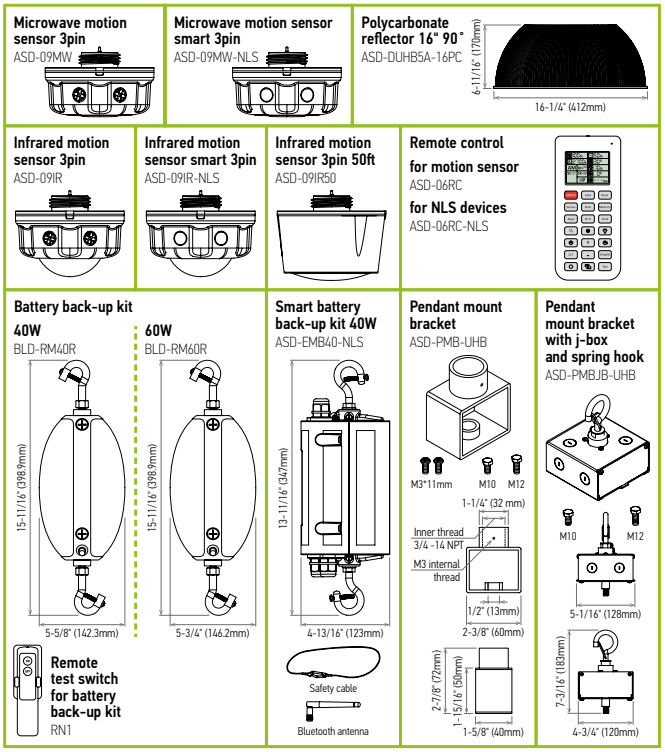
PRODUCT SPECIFICATIONS:

Construction & Materials		
Housing	Aluminum	
Lens	PC	
Finish	White	
Weight	9.5 lbs (4.3 kg)	for HV models: 10.9 lbs (4.9 kg)
Environmental system		
Work environment	Suitable for Wet Locations, IP69K	
Operating temperature	-40°F to 140°F (-40°C to 60°C)	
	for HV models: -40°F to 122°F (-40°C to 50°C)	
L-70 Life	R > 102,000 hrs; C > 167,000 hrs	
Optical system		
Color temperature	3CCT switch (3,000/4,000/5,000 K), 5,000 K by default	
CRI	> 80	
Electrical system		
Input voltage	Regular voltage: 120-277 V	High voltage: 200-480 V
Max input current	ASD-UFS-PRO-200	2.6 A
	ASD-UFS-PRO-300	4 A
	ASD-UFS-PRO-200-QB	2.6 A
	ASD-UFS-PRO-300-QB	4 A
	ASD-UFSHV-PRO-200-QB	1.2 A
	ASD-UFSHV-PRO-300-QB	2 A
Inrush current (Action time)	ASD-UFS-PRO-200	80 A (35 S)
	ASD-UFS-PRO-300	100 A (0.35 S)
	ASD-UFS-PRO-200-QB	80 A (35 S)
	ASD-UFS-PRO-300-QB	100 A (0.35 S)
	ASD-UFSHV-PRO-200-QB	130 A (1 S)
	ASD-UFSHV-PRO-300-QB	150 A (1 S)
Off state power	0W	
Power consumption	ASD-UFS-PRO-200	100/150/200W
	ASD-UFS-PRO-300	200/240/300W
	ASD-UFS-PRO-200-QB	100/150/200W
	ASD-UFS-PRO-300-QB	200/240/300W
	ASD-UFSHV-PRO-200-QB	100/150/200W
	ASD-UFSHV-PRO-300-QB	200/240/300W
Power factor	> 0.9	
Output voltage	180-260 V	
	for ASD-UFSHV-PRO-200-QB model: 221 V	
	for ASD-UFSHV-PRO-300-QB model: 220 V	
Max output current	ASD-UFS-PRO-200	0.65-0.9 A
	ASD-UFS-PRO-300	0.1-1.5 A
	ASD-UFS-PRO-200-QB	0.65-0.9 A
	ASD-UFS-PRO-300-QB	0.1-1.5 A
	ASD-UFSHV-PRO-200-QB	0.83 A
	ASD-UFSHV-PRO-300-QB	1.23 A
Surge protection DM/CM	6 kV / 6 kV	for HV models: 6 kV / 10 kV
Dimming compatible controls		
Brand	Leviton	Lutron
Models	IP710-LFZ	DVSTV-453P
Regular and voluntary certifications		
5-year limited warranty		
DesignLights Consortium (DLC) listed (Classification: Premium) Main: Indoor luminaires; General application: High-bay; Primary use: High-bay luminaires for commercial and Industrial buildings		
UL certified E473804		
National Sanitation Foundation		

PACKAGE CONTENTS:

Description	Quantity
NSF LED UFO High bay	1
Spring hook (A)	1
Box	1

ACCESSORIES (sold separately):



ACCESSORY COMPATIBILITY LIST:

Models \ Accessories	Microwave motion sensor 3pin ASD-09MW	Infrared motion sensor 3pin ASD-09IR; ASD-09IR50	Microwave motion sensor smart 3pin ASD-09MW-NLS-WH	Infrared motion sensor smart 3pin ASD-09IR-NLS-WH	Battery back-up kit 40W BLD-RM40R	Battery back-up kit 60W BLD-RM60R	Smart battery back-up kit 40W ASD-EMB40-NLS	Pendant mount bracket ASD-PMB-UHB	Pendant mount bracket with j-box and spring hook ASD-PMBJB-UHB	Polycarbonate reflector 16° 90° ASD-DUHB5A-16PC
ASD-UFS-PRO-200					●	●	●	●	●	
ASD-UFS-PRO-300					●	●	●	●	●	●
ASD-UFS-PRO-200-QB	●	●	●	●	●	●	●	●	●	
ASD-UFS-PRO-300-QB	●	●	●	●	●	●	●	●	●	●
ASD-UFSHV-PRO-200-QB	●	●	●	●	●	●	●	●	●	
ASD-UFSHV-PRO-300-QB	●	●	●	●	●	●	●	●	●	

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MOTION SENSOR INFORMATION

REMOTE CONTROL ASD-06RC ASD-06RC-NLS sold separately:

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.

ASD-09MW Microwave motion sensor 3pin + ASD-06RC Remote control

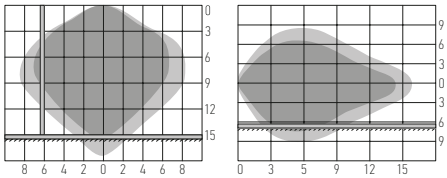
ASD-09IR Infrared motion sensor 3pin 39 ft + ASD-06RC Remote control

ASD-09IR50 Infrared motion sensor 3pin 50 ft + ASD-06RC Remote control

ASD-09MW-NLS Microwave motion sensor smart 3pin + ASD-06RC-NLS Remote control or smartphone

ASD-09IR-NLS Infrared motion sensor smart 3pin 39ft + ASD-06RC-NLS Remote control or smartphone

ASD-09MW, ASD-09MW-NLS:



- 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

User notes:

1. Microwaves can penetrate walls or glass thinner than 0.8" but will be impaired if thicker than 0.8".
2. The driver voltage shall be stable and float within 10 %.
3. Detection area will be affected by speed of motion, mounting height and movement volume.
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 10S then dims to standby level or OFF.

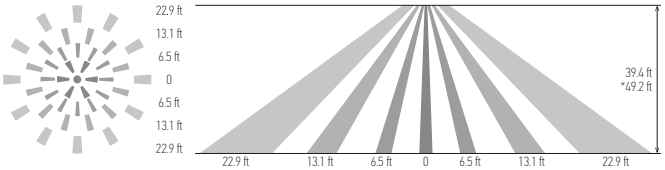
Installation precautions:

1. Designed for ceiling mount installation. If installing on a side wall, adjust the sensitivity settings accordingly, as it will become more sensitive.
2. Make sure the microwave module is completely exposed.
3. The detection surface of the sensor module should be installed facing the detection area.

Application environment:

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

ASD-09IR, ASD-09IR50, ASD-09IR-NLS:



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

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

User notes:

1. The driver voltage shall be stable and float within 10%.
2. Detection area options may not function as expected because they depend on the Fresnel lens, which physically determines their operation.
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 the lighting fixture.
3. Designed for ceiling mount installation. If installing on a side wall, adjust the sensitivity settings accordingly, as it will become more sensitive.

Application environment:

1. Suitable for indoor application, partial/completely outdoor environment conditions might trigger the sensor.
2. The PIR sensor is not suitable for environments with sudden changes in temperature or airflow.
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.

Specifications	Models: ASD-09MW, ASD-09MW-NLS	Models: ASD-09IR, ASD-09IR-NLS	Models: ASD-09IR50
Operating voltage	10-15 V		
Operating current	< 30 mA	< 15 mA	< 30 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	max 49.2 ft (15 m)	≤ 39.4 ft (12 m)	max 49.2 ft (15 m)
Detection range	≥ 9 ft (3 m)		
Operating frequency	5.8 GHz ± 75 MHz	-	-
Transmitting power	< 0.3 mW	-	-

DEFAULT SETTING:

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

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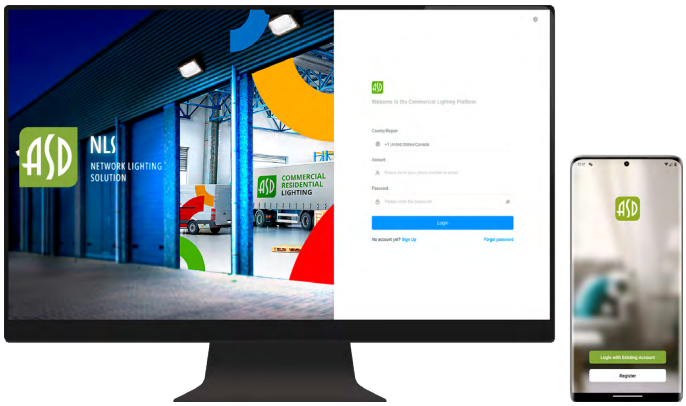


ASD NLS is a professional-grade smart control application designed to manage and control lighting fixtures in commercial properties. With ASD NLS, you can conveniently control your lights from your smartphone or PC, anytime and anywhere.

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).

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

ASD-09IR-NLS
Infrared motion sensor smart 3pin 39ft

Desktop manual

Smartphone manual

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

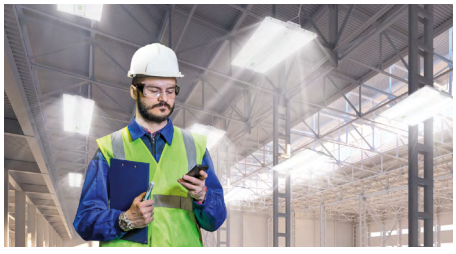
Set a variety of customizable start / end actions based on time of day and days of the week.

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.

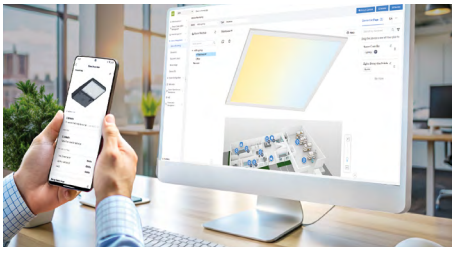


ADVANCED ENERGY CONSUMPTION

Monitor equipment status and receive daily reports.

PROJECT OVERVIEW

Monitor device status and daily reports.



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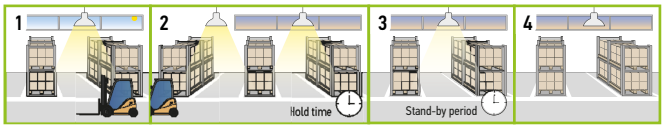
NSF LED UFO HIGH BAY

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 the preset hold time period, it will dim to the standby dimming level and maintain it indefinitely.
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.

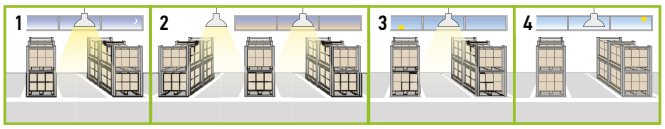


WITH DAYLIGHT THRESHOLD:

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.

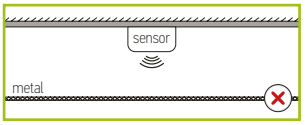
DAYLIGHT HARVESTING:

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

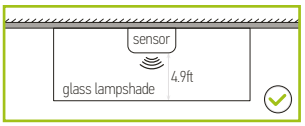


MICROWAVE MOTION SENSOR:

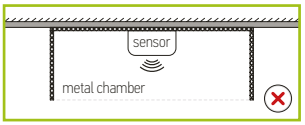
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



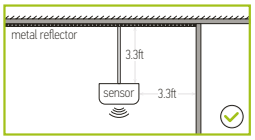
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



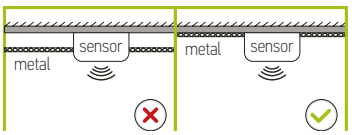
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



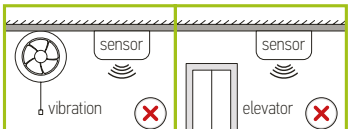
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



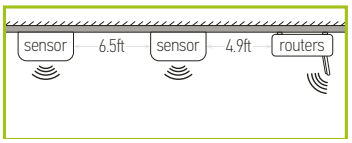
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



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

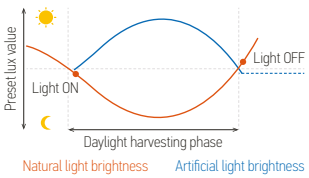


There must be at least 6.5ft between microwave sensors;
There must be at least 4.9ft between the sensor and other wireless devices such as routers to avoid possible radio interference.



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.



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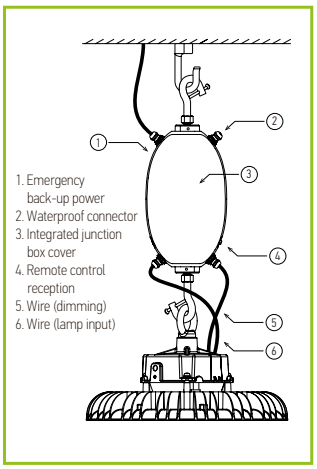
BATTERY BACK-UP KIT INFORMATION

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:

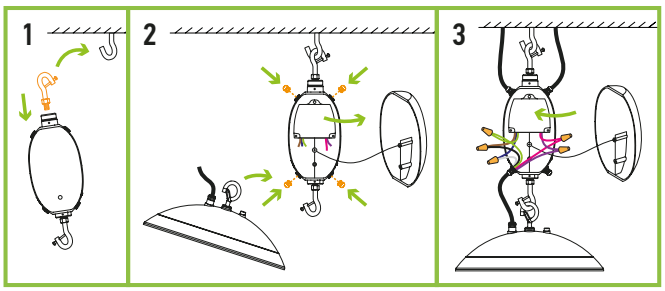
Button		Remarks
ON	ON	Press this button to switch battery to the back-up mode. The indicator light will turn off and fixture will decrease light output.
OFF	OFF	Press this button to switch the fixture to normal operation mode.

INSTALLATION STEPS:

1. Install the G-hook to the top thread hole of the battery back-up and secure with the screw. Attach the battery back-up with G-hook to the ceiling hook.

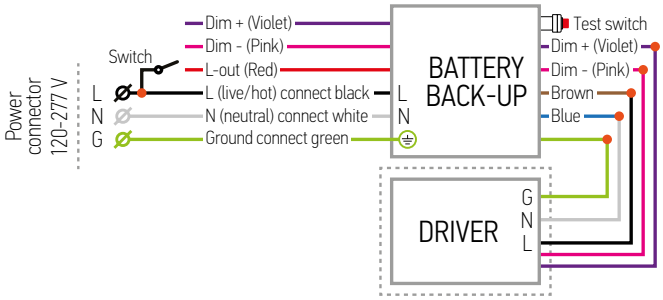
2. Loosen the screw on the enclosed hook at the bottom of the emergency back-up, attach the ring on the fixture to the hook, and tighten screw back. Open the cover, remove the plastic covers, and install the five waterproof connectors.

3. Pull all wires through the waterproof connectors into the chamber of emergency driver. Connect wires: Brown, Blue, Green with AC input wires of the fixture. Connect dimming wires Purple and Pink with LED driver input dimming wires. Connect Black, White and Red wires of the battery back-up with AC main Power cord. Secure connection with wire nuts and close the cover of junction box.



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:



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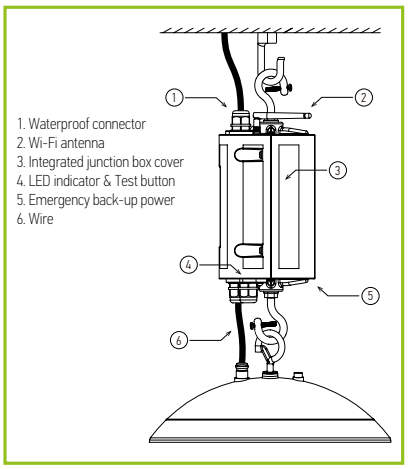
SMART BATTERY BACK-UP KIT INFORMATION

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. Easy 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.

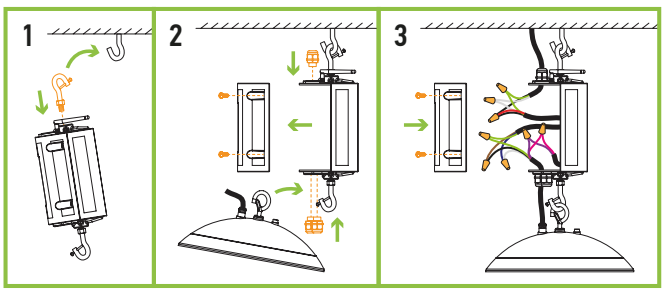
Emergency operation: When the AC power goes out, the emergency driver detects the AC power outage and automatically switches to emergency mode. When red LED light is OFF, that means driver is discharging. When the AC power is restored, the emergency driver goes back to AC power and starts recharging.

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

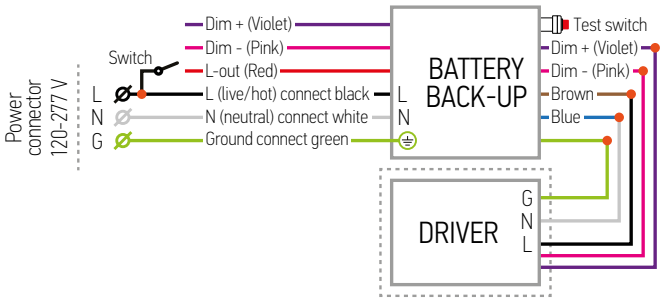
INSTALLATION STEPS:

1. Install the G-hook to the top thread 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 the hooks on the fixture and battery and tighten screw back. 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 wires: Brown, Blue, Green with AC input wires of the fixture. Connect dimming wires Purple and Pink with LED driver input dimming wires. Connect Black, White and Red wires of the battery back-up with AC main Power cord. Secure connection with wire nuts and lock up the cover of junction box.



Specifications	ASD-EMB40-NLS
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
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:



REMOTE TEST SWITCH

RN1 sold separately:

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

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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.

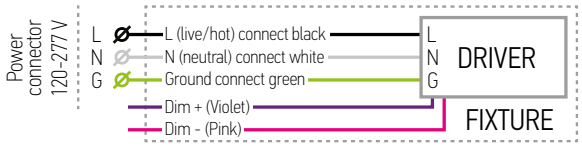
Risk of electric shock: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

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

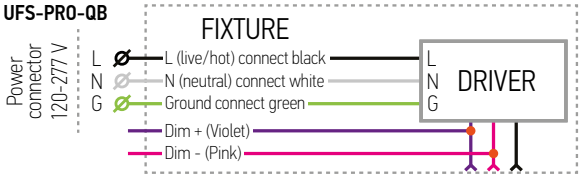
ASD® assumes no responsibility for claims arising out of improper or careless Installation or handling of this product.

ELECTRICAL SCHEMATIC DIAGRAM:

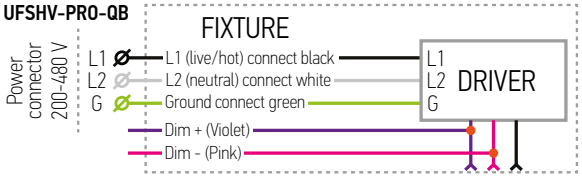
UFS-PRO



UFS-PRO-QB



UFSHV-PRO-QB

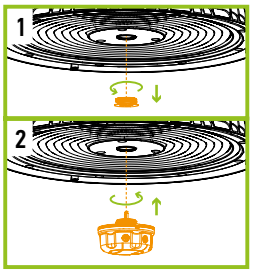


* The regular voltage 120-277 V fixtures can be alternatively powered without neutral by two-phase circuit with phase-to-phase voltage of 208 V (L1-120 V & L2-120 V).
WARNING: Phase-to-phase voltage should be less than 277 V (160 V per each phase) and more than 120 V (70 V per each phase)! Do not confuse Regular Voltage fixtures of 120-277 V with High Voltage ones of 200-480 V!

MOTION SENSOR INSTALLATION

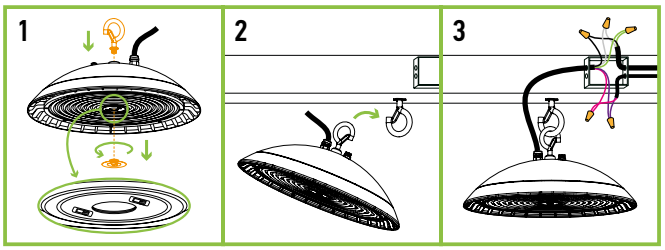
ASD-09MW **ASD-09MW-NLS**
ASD-09IR **ASD-09IR-NLS**
ASD-09IR50 sold separately:

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



INSTALLATION STEPS:

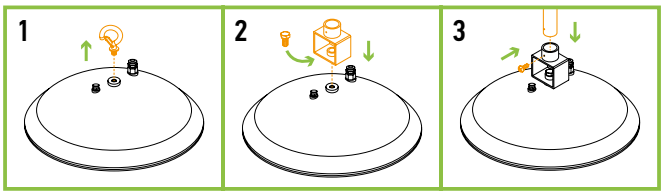
1. Screw on the spring hook and tighten it. Unscrew the knock-out from the middle of diffusor, choose the power and color temperature with a simple switch.
2. Hang the fixture from the ceiling or other surface using a hook or chain (not provided).
3. Connect the wires: Black to Black, White to White, Green to Green, as well as dimming wires Purple to Purple and Pink to Pink. Secure the connection with wire nuts.



PENDANT MOUNT BRACKET INSTALLATION

ASD-PMB-UHB sold separately:

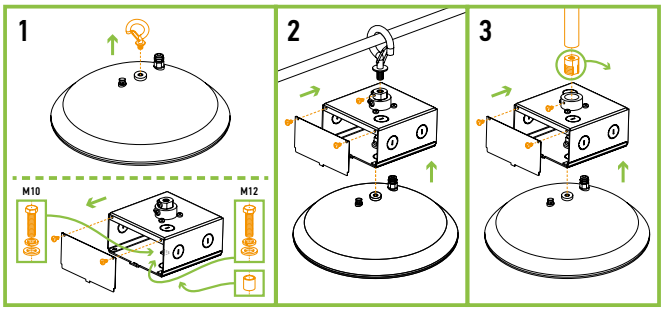
1. Remove the original ring from the driver.
2. Install the bracket and secure it to the driver using an M10 or M12 screw (included with the bracket).
3. Screw the bracket with the fixture onto a pole and secure it with an M3 screw (included with the bracket).



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.



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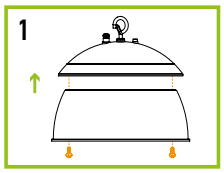
DIFFUSER INSTALLATION

ASD-DUHB5A-16PC

sold separately:

1. Install the diffuser, tighten the screws.



ORDERING INFORMATION

Model	UPC	Pcs. per carton	Carton size	Carton weight
UFS-PRO				
ASD-UFS-PRO-200	810128114028	1	17.9" x 17.9" x 7.1"	11.2 lbs
ASD-UFS-PRO-300	810128114301	1	17.9" x 17.9" x 7.1"	11.2 lbs
UFS-PRO-QB WITH Q-BASE				
ASD-UFS-PRO-200-QB	810128118002	1	17.9" x 17.9" x 7.1"	11.2 lbs
ASD-UFS-PRO-300-QB	810128118705	1	17.9" x 17.9" x 7.1"	11.2 lbs
UFSHV-PRO-QB HIGH VOLTAGE WITH Q-BASE				
ASD-UFSHV-PRO-200-QB	810128118514	1	17.9" x 17.9" x 7.1"	12.6 lbs
ASD-UFSHV-PRO-300-QB	810128118521	1	17.9" x 17.9" x 7.1"	12.6 lbs

ACCESSORIES:

Model	Description	UPC	Pcs. in middle box	Middle box size	Middle box weight	GTIN 14 in middle box	Pcs. per carton	Carton size	Carton weight	GTIN 14
ASD-09MW-WH	Microwave motion sensor 3pin white	810128113700	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113704	120	17.3" x 11.8" x 11"	12.1 lbs	30810128113701
ASD-09MW-BK	Microwave motion sensor 3pin black	810128113717	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113711	120	17.3" x 11.8" x 11"	12.1 lbs	30810128113718
ASD-09IR-WH	Infrared motion sensor 3pin white	810128113694	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113698	120	17.3" x 11.8" x 11"	12.1 lbs	30810128113695
ASD-09IR-BK	Infrared motion sensor 3pin black	810128114349	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128114343	120	17.3" x 11.8" x 11"	12.1 lbs	30810128114340
ASD-09IR50-WH	Infrared motion sensor 3pin 50ft white	810128116794	10	5.5" x 2.6" x 11.4"	0.9 lbs	10810128116791	120	17.3" x 11.8" x 11"	10.7 lbs	20810128116798
ASD-06RC	Remote control for motion sensor	810128114370	10	6.3" x 2.9" x 11.4"	0.5 lbs	30810128114371	60	15.8" x 11.8" x 9.3"	24.7 lbs	40810128114378
ASD-09MW-NLS-WH	Microwave motion sensor smart 3pin white	810128113762	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113766	120	17.3" x 11.8" x 11"	12.1 lbs	30810128113763
ASD-09IR-NLS-WH	Infrared motion sensor smart 3pin white	810128113755	10	5.5" x 2.6" x 11.4"	1.2 lbs	20810128113759	120	17.3" x 11.8" x 11"	12.1 lbs	30810128113756
ASD-06RC-NLS	Remote control for NLS devices	810128114387	10	6.3" x 2.9" x 11.4"	0.5 lbs	20810128114381	60	15.8" x 11.8" x 9.3"	24.7 lbs	30810128114388
BLD-RM40R	Battery back-up kit 40W	810050738507	-	-	-	-	4	23.6" x 13.8" x 7.9"	32.5 lbs	20810050738501
BLD-RM60R	Battery back-up kit 60W	810128112154	-	-	-	-	4	23.6" x 13.8" x 7.9"	37.7 lbs	20810128112158
ASD-EMB40-NLS	Smart battery back-up kit 40W	810128113786	-	-	-	-	6	13.6" x 14.1" x 16.7"	31.3 lbs	10810128113783
RN1	Remote test switch for battery back-up kit	810050735223	-	-	-	-	50	13" x 9.8" x 6.5"	8.3 lbs	20810050735227
ASD-PMB-UHB	Pendant mount bracket	810050731522	-	-	-	-	50	13.9" x 9.7" x 7.1"	33.7 lbs	10810050731529
ASD-PMBJB-UHB	Pendant mount bracket with J-box and spring hook	810050736992	-	-	-	-	40	17.7" x 11.4" x 21.3"	34.4 lbs	20810050736996

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