English

LED UFO HIGH BAY WITH Q-BASE

NEOX series

DESIGN - LED UFO HIGH BAY with Q-base NEOX Series offers top tier efficiency with a 200lm/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 131°F. The device is equipped with a 0-10V dimmable driver, which allows you to adjust the brightness to suit your needs. Surge protection 6kV protects the fixture from voltage spikes and current surges. The fixture also features an IK08 impact resistance rating, ensuring durability against mechanical impact in demanding environments.

VARIETY - Fixture is designed to operate on 120-277V or 200-480V circuits (depending on model) and comes in black and white finish.

COLOR AND POWER SELECTABLE - You can choose either a 3000K neutral white, 4000K cool white or 5000K daylight color temperature, and change the power with a simple switch.

INSTALLATION - This fixture supports three different mounting styles: a suspended setup for a floating appearance, a surface-mounted option for a flush fit, and a pendant-style installation for a stylish, hanging effect. 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	Pre-Installed	Certification
UHB2A-NEOX 120-277V										
ASD-UHB2A-NEOX-150BK	100/120/150 W	3-pin	120-277 V	0-10 V	28,675 lm	3,000/4,000/5,000K	Black	10-1/4" x 10-1/4" x 4-11/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-150WH	100/120/150 W	3-pin	120-277 V	0-10 V	28,675 lm	3,000/4,000/5,000K	White	10-1/4" x 10-1/4" x 4-11/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-200BK	100/150/200 W	3-pin	120-277 V	0-10 V	38,677 lm	3,000/4,000/5,000K	Black	11-5/8" x 11-5/8" x 4-13/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-200WH	100/150/200 W	3-pin	120-277 V	0-10 V	38,677 lm	3,000/4,000/5,000K	White	11-5/8" x-11-5/8" x 4-13/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-240BK	150/200/240 W	3-pin	120-277 V	0-10 V	45,642 lm	3,000/4,000/5,000K	Black	11-5/8" x 11-5/8" x 5"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-240WH	150/200/240 W	3-pin	120-277 V	0-10 V	45,642 lm	3,000/4,000/5,000K	White	11-5/8" x 11-5/8" x 5"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-300BK	200/240/300 W	3-pin	120-277 V	0-10 V	57,249 lm	3,000/4,000/5,000K	Black	12-5/8" x 12-5/8" x 5-3/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-300WH	200/240/300 W	3-pin	120-277 V	0-10 V	57,249 lm	3,000/4,000/5,000K	White	12-5/8" x12-5/8" x 5-3/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2A-NEOX-500BK	300/400/500 W	3-pin	120-277 V	0-10 V	95,160 lm	3,000/4,000/5,000K	Black	14-7/16" x 14-7/16" x 7-1/8"	Cord 4 ft	UL (E473804), DLC Premium
UHB2AHV-NEOX 200-480V										
ASD-UHB2AHV-NEOX-150BK	100/120/150 W	3-pin	200-480V	0-10 V	28,675 lm	3,000/4,000/5,000K	Black	10-1/4" x 10-1/4" x 4-11/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2AHV-NEOX-200BK	100/150/200 W	3-pin	200-480V	0-10 V	38,677 lm	3,000/4,000/5,000K	Black	11-5/8" x 11-5/8" x 4-13/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2AHV-NEOX-240BK	150/200/240 W	3-pin	200-480V	0-10 V	45,642 lm	3,000/4,000/5,000K	Black	11-5/8" x 11-5/8" x 5"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2AHV-NEOX-300BK	200/240/300 W	3-pin	200-480V	0-10 V	57,249 lm	3,000/4,000/5,000K	Black	12-5/8" x 12-5/8" x 5-3/16"	Cord 4 ft	UL (E473804), DLC Premium
ASD-UHB2AHV-NEOX-500BK	300/400/500 W	3-pin	200-480V	0-10 V	95,351 lm	3,000/4,000/5,000K	Black	14-9/16" x 8-1/16"	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 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"	-	-

For detailed luminous flux information please refer to Annex 1, page 3.

TECHNICAL PARAMETERS:

Model	Max input current	Inrush current	Work environment	Operating temperature	Power factor	Beam angle	Surge protection	Housing	Lens	CRI
UHB2A-NEOX 120-277V										
ASD-UHB2A-NEOX-150BK	1.65A	88A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2A-NEOX-150WH	1.65A	88A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2A-NEOX-200BK	2.20A	95A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2A-NEOX-200WH	2.20A	95A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70

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

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English

LED UFO HIGH BAY WITH Q-BASE

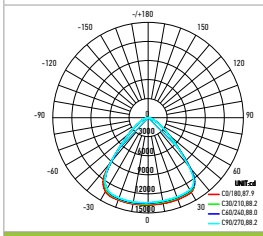
NEOX series

Model	Max input current	Inrush current	Work environment	Operating temperature	Power factor	Beam angle	Surge protection	Housing	Lens	CRI
ASD-UHB2A-NEOX-240BK	2.64A	92A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2A-NEOX-240WH	2.64A	92A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2A-NEOX-300BK	3.30A	100A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2A-NEOX-300WH	3.30A	100A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2A-NEOX-500BK	5.50A	30A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
UHB2AHV-NEOX 200-480V										
ASD-UHB2AHV-NEOX-150BK	0.83A	75A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2AHV-NEOX-200BK	1.10A	75A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2AHV-NEOX-240BK	1.32A	80A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2AHV-NEOX-300BK	1.65A	85A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	6kV	Aluminum	PC	> 70
ASD-UHB2AHV-NEOX-500BK	2.75A	120A	Wet location	-40°F to 131°F(-40°C to 55°C)	> 0.9	90°	15kV	Aluminum	PC	> 70

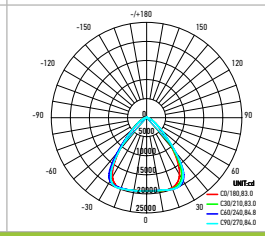
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM:

UHB2A-NEOX 120-277V

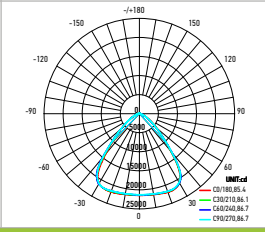
ASD-UHB2A-NEOX-150



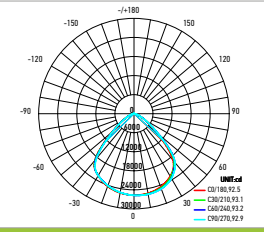
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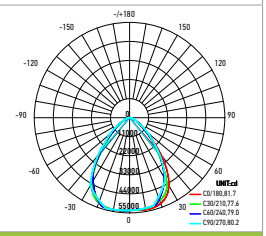
ASD-UHB2A-NEOX-240



ASD-UHB2A-NEOX-300

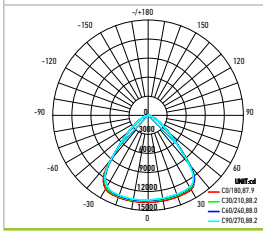


ASD-UHB2A-NEOX-500

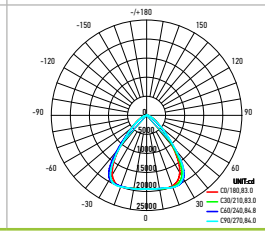


UHB2AHV-NEOX 200-480V

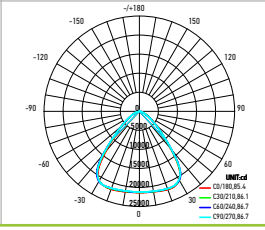
ASD-UHB2AHV-NEOX-150



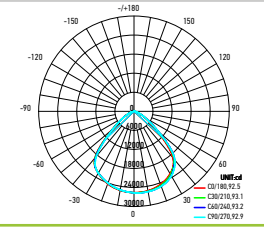
ASD-UHB2AHV-NEOX-200



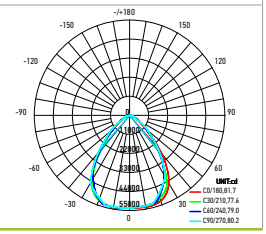
ASD-UHB2AHV-NEOX-240



ASD-UHB2AHV-NEOX-300



ASD-UHB2AHV-NEOX-500



DIMMING COMPATIBLE CONTROLS:

Brand	Lutron		Leviton	
Models	ZS057-D0Z	DD710	MS-Z101	NTSTV
	DS710	IP710	DVSTV	DVTV

PACKAGE CONTENTS:

Description	Quantity
LED UFO High Bay with Q-base	1
Safety cable (A)	1
Mounting ring (B)	1
Box	1



ANNEX 1

Model	Watts	3,000 K	4,000 K	5,000 K
ASD-UHB2A-NEOX-150BK ASD-UHB2A-NEOX-150WH	100W	18,520 lm	19,899 lm	18,877 lm
	120W	21,820 lm	23,057 lm	21,749 lm
	150W	27,757 lm	28,675 lm	28,090 lm
ASD-UHB2AHV-NEOX-150BK	100W	18,520 lm	19,899 lm	18,877 lm
	120W	21,908 lm	23,057 lm	21,749 lm
	150W	27,836 lm	28,675 lm	28,203 lm
ASD-UHB2A-NEOX-200BK ASD-UHB2A-NEOX-200WH	100W	18,575 lm	20,159 lm	18,896 lm
	150W	27,381 lm	29,438 lm	27,798 lm
	200W	37,225 lm	38,677 lm	37,829 lm
ASD-UHB2AHV-NEOX-200BK	100W	18,575 lm	20,099 lm	18,896 lm
	150W	27,387 lm	29,438 lm	27,798 lm
	200W	37,337 lm	38,677 lm	37,561 lm
ASD-UHB2A-NEOX-240BK ASD-UHB2A-NEOX-240WH	150W	27,239 lm	29,500 lm	28,109 lm
	200W	37,338 lm	38,854 lm	37,925 lm
	240W	43,231 lm	45,642 lm	43,387 lm
ASD-UHB2AHV-NEOX-240BK	150W	27,239 lm	29,500 lm	28,109 lm
	200W	37,001 lm	38,830 lm	37,475 lm
	240W	43,171 lm	45,642 lm	43,582 lm
ASD-UHB2A-NEOX-300BK ASD-UHB2A-NEOX-300WH	200W	36,563 lm	38,811 lm	36,877 lm
	240W	43,629 lm	46,284 lm	43,733 lm
	300W	54,468 lm	57,249 lm	54,539 lm
ASD-UHB2AHV-NEOX-300BK	200W	36,490 lm	38,889 lm	36,877 lm
	240W	43,733 lm	46,284 lm	43,821 lm
	300W	54,533 lm	57,249 lm	54,664 lm
ASD-UHB2A-NEOX-500BK	300W	54,467 lm	59,010 lm	56,667 lm
	400W	72,351 lm	77,843 lm	72,254 lm
	500W	90,881 lm	95,160 lm	91,082 lm
ASD-UHB2AHV-NEOX-500BK	300W	55,085 lm	59,111 lm	56,497 lm
	400W	72,521 lm	79,588 lm	72,485 lm
	500W	91,082 lm	95,351 lm	91,264 lm

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

ASD LIGHTING CORP

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English

LED UFO HIGH BAY WITH Q-BASE

NeoX series

ACCESSORIES (sold separately):

Microwave motion sensor 3pin
ASD-09MW



Infrared motion sensor 3pin
ASD-09IR



Infrared motion sensor 3pin 50ft
ASD-09IR50



Remote control for motion sensor
ASD-06RC



Battery back-up kit

40W
BLD-RM40R



60W
BLD-RM60R



Remote test switch for battery back-up kit
RN1



Battery back-up kit

40W
ASD-EMB40



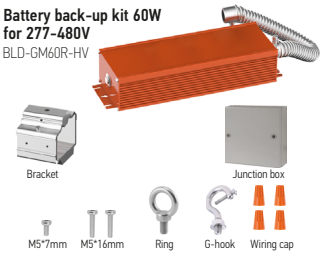
60W
ASD-EMB60



Polycarbonate reflector
ASD-16PR90-UHB150-240W



Battery back-up kit 60W for 277-480V
BLD-GM60R-HV



Remote test switch for battery back-up kit

Polycarbonate bottom lens
ASD-16PL-UHB150-240W

Clear lens 60°

for 150-240W
ASD-L60C-UHB2A

for 300W
ASD-L60D-UHB2A

for 500W
ASD-L60E-UHB2A

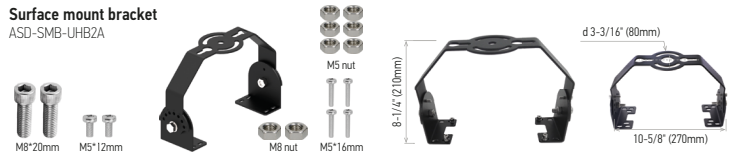
Clear lens 120°

for 150-200W
ASD-L120A-UHB2A

for 240-300W
ASD-L120B-UHB2A



Surface mount bracket
ASD-SMB-UHB2A



Spring hook
ASD-H-M10



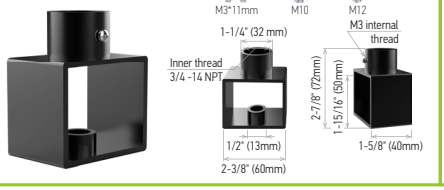
Screw-bolt hook
ASD-HS-M10



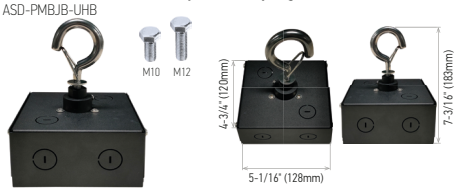
Spring hook
ASD-H-M12



Pendant mount bracket
ASD-PMB-UHB



Pendant mount bracket with j-box and spring hook
ASD-PMBJB-UHB



ACCESSORY COMPATIBILITY LIST:

Models \ Accessories		Microwave motion sensor 3pin ASD-09MW	Infrared motion sensor 3pin ASD-09IR ASD-09IR50	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	Battery back-up kit 60W for 277-480V BLD-GM60R-HV	Polycarbonate reflector ASD-16PR90-UHB150-240W	Polycarbonate bottom lens ASD-16PL-UHB150-240W	Surface mount bracket ASD-SMB-UHB2A	Clear lens 60° ASD-L60C-UHB2A	Clear lens 60° ASD-L60D-UHB2A	Clear lens 60° ASD-L60E-UHB2A	Clear lens 120° ASD-L120A-UHB2A	Clear lens 120° ASD-L120B-UHB2A	Spring hook M10 ASD-H-M10	Spring hook M12 ASD-H-M12	Screw-bolt hook M10 ASD-HS-M10	Pendant mount bracket ASD-PMB-UHB	Pendant mount bracket with j-box and spring hook ASD-PMBJB-UHB
ASD-UHB2A-NEOX	150W	•	•	•	•	•	•		•	•	•	•			•		•		•	•	•
	200W	•	•	•	•	•	•		•	•	•	•			•		•		•	•	•
	240W	•	•	•	•	•	•		•	•	•	•			•		•		•	•	•
	300W	•	•	•	•	•	•				•		•				•		•	•	•
	500W	•	•		•		•							•				•			
ASD-UHB2AHV-NEOX	150W	•	•					•	•	•	•				•		•		•	•	•
	200W	•	•					•	•	•	•				•		•		•	•	•
	240W	•	•					•	•	•	•				•		•		•	•	•
	300W	•	•					•			•					•	•		•	•	•
	500W	•	•					•										•			

Note: To check the compatibility of the Battery Back-up Kits and Motion Sensors, please refer to BATTERY BACK-UP KITS & MOTION SENSORS COMPATIBILITY LIST.

BATTERY BACK-UP KITS & MOTION SENSORS COMPATIBILITY LIST:

Battery back-up \ Motion sensor	ASD-09IR	ASD-09IR50	ASD-09MW
ASD-EMB40	•	•	•
ASD-EMB60			
BLD-RM40R	•	•	•
BLD-RM60R	•	•	•

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English

LED UFO HIGH BAY WITH Q-BASE

NeoX series

MOTION SENSOR INFORMATION


ASD-09MW
Microwave motion sensor 3pin

+


ASD-06RC
Remote control


ASD-09IR
Infrared motion sensor 3pin

+


ASD-06RC
Remote control


ASD-09IR50
Infrared motion sensor 3pin

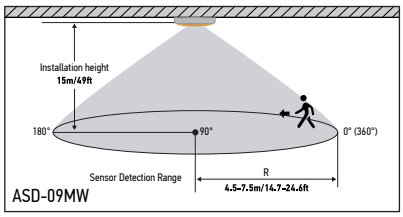
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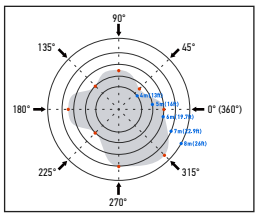

ASD-06RC
Remote control

Specifications	Models: ASD-09MW	Models: ASD-09IR	Models: ASD-09IR50	Default setting
Detection area	25 %/50 %/75 %/100 %			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			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			Disable
Standby period	0 s/10 s/30 s/1 min/5 min/10 min/30 min/60 min/+ ∞			0 s
Standby dimming level	**Remote control:** 10 %/20 %/30 %/50 % **Built-in switch:** 0 %/10 %/30 %/50 %			10 %

Specifications	Models: ASD-09MW	Models: ASD-09IR	Models: ASD-09IR50
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 radius	14.7 ft - 24.6 ft (4.5 m - 7.5 m)	14.7 ft - 22.9 ft (4.5 m - 7 m)	14.7 ft - 22.9 ft (4.5 m - 7 m)
Operating frequency	5.8 GHz ± 75 MHz	-	-
Transmitting power	< 0.3 mW	-	-

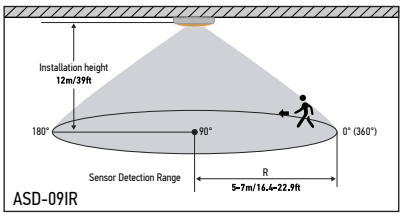
MICROWAVE MOTION SENSOR:

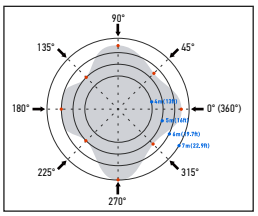




Sensitivity	0°/360°	45°	90°	135°	180°	225°	270°	315°
100%15m	6	4.5	5.5	5	6.5	5	7	7.5

INFRARED MOTION SENSOR:



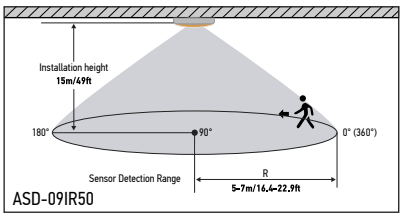


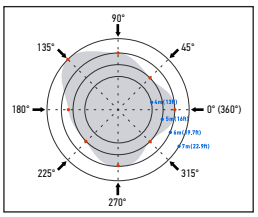
Sensitivity	0°/360°	45°	90°	135°	180°	225°	270°	315°
100%12m	6.5	5.5	6.5	5	6	5	7	5.5

SENSOR USAGE RECOMMENDATIONS:

INDOOR RECOMMENDED LOCATIONS
Places where the temperature of the environment is well controlled.
Places where detecting the movement of people is a high priority.

INDOOR NOT RECOMMENDED LOCATIONS
Places where environment temp close to human body.
Places where PIR sensor lens can get covered.
Places higher than 39ft (unless you use 50ft PIR).





Sensitivity	0°/360°	45°	90°	135°	180°	225°	270°	315°
100%12m	6.5	5.5	6.5	5	6	5	7	5.5

REMOTE CONTROL ASD-06RC sold separately



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

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

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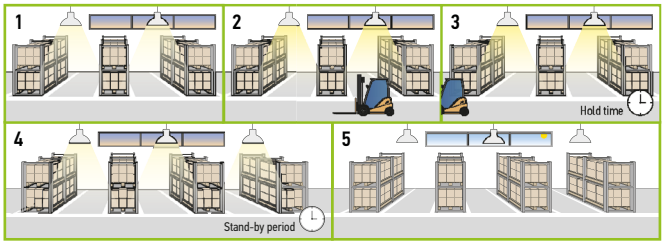
English

LED UFO HIGH BAY WITH Q-BASE

NeoX series

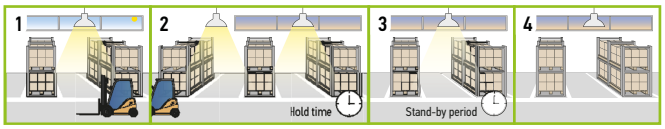
WITH DUSK/DAWN FUNCTION:

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.



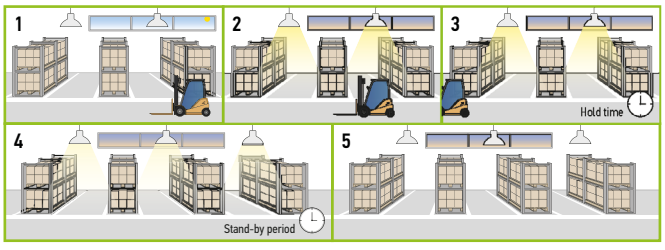
WITH DAYLIGHT DISABLED:

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.



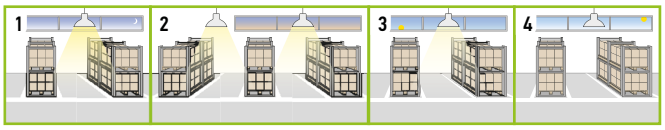
WITH DAYLIGHT THRESHOLD:

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.



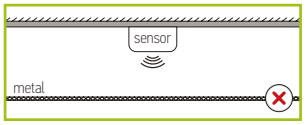
DAYLIGHT HARVESTING:

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.

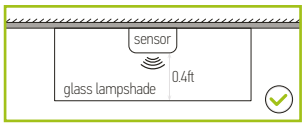


MICROWAVE MOTION SENSOR:

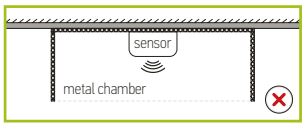
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



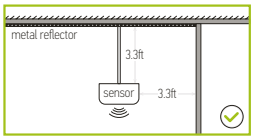
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



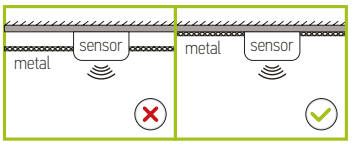
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



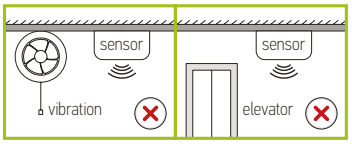
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



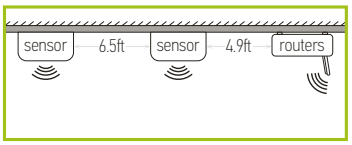
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



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

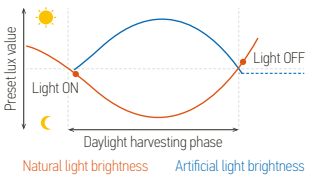


There must be at least 6.5ft between microwave sensors;
There must be at least 4.9ft between the sensor and other wireless devices such as routers to avoid possible radio interference.



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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LED UFO HIGH BAY WITH Q-BASE

NeoX series

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 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.



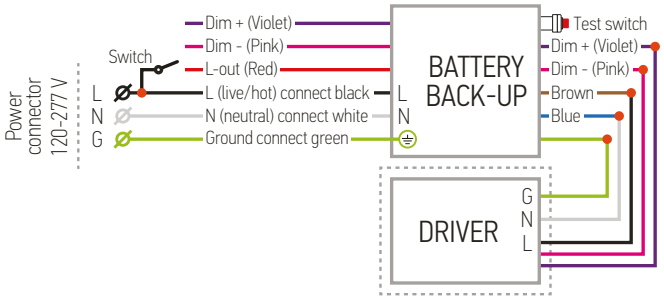
INSTALLATION STEPS:

1. Install the G-hook 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

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LED UFO HIGH BAY WITH Q-BASE

NeoX series

BATTERY BACK-UP KIT INFORMATION

ASD-EMB40 **ASD-EMB60** 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

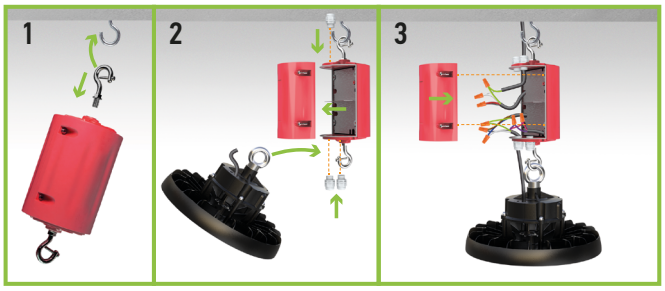
Specifications	ASD-EMB40	ASD-EMB60
Input voltage	100-347 V	
Input current	max 0.15 A	
Input power	max 12W	
Standby input power	< 1W (finished charging)	
Maximum standby time between recharges	At least 6months, can be longer	
Driver type	0/1-10V dimmable constant current driver	
Output power (emergency mode)	40W	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	

INSTALLATION STEPS:

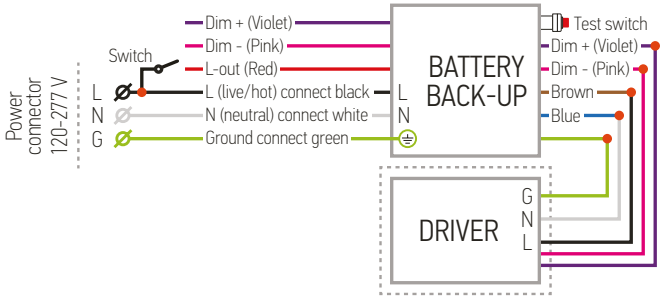
1. Install the G-hook into the top threaded hole of the battery back-up and secure with the screw. Attach the battery back-up with G-hook to the ceiling hook.

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.



ELECTRICAL SCHEMATIC DIAGRAM:



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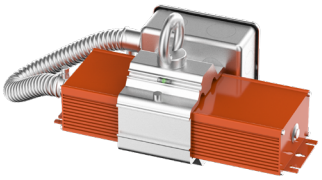
LED UFO HIGH BAY WITH Q-BASE

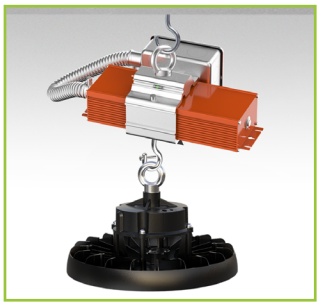
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BATTERY BACK-UP HIGH VOLTAGE KIT INFORMATION

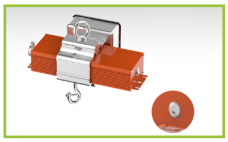
BLD-GM60R-HV sold separately

BLD-GM60R-HV listed for field and factory installation, provides constant power output to the load during emergency mode operation. It maintains illumination in emergency mode for a minimum of 90 minutes. It is an ideal emergency solution for UFO LED highbay lights.





STANDARD OPERATION DISPLAY STATUS:



Charging	
Emergency mode	

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.

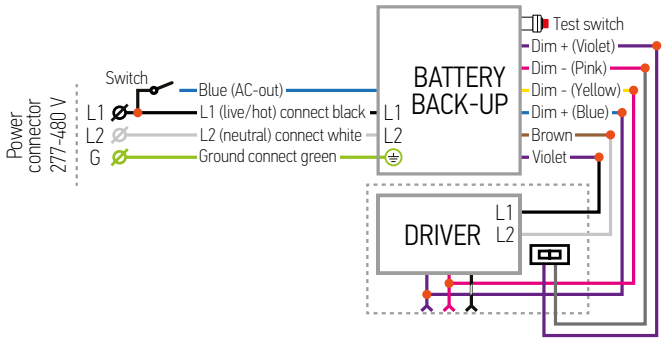
REMOTE TEST SWITCH

RN1 sold separately

Button		Remarks
ON	ON	Press this button to switch battery to 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.



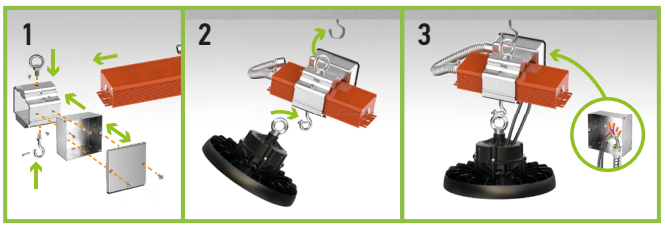
ELECTRICAL SCHEMATIC DIAGRAM:



Specifications	BLD-GM60R-HV
Input voltage	277-480 V
Input current	max 100 mA
Input power	max 20W
Standby input power	< 6W (finished charging)
Maximum standby time between recharges	6 months
Driver type	Constant power
Output power (emergency mode)	60W
Output voltage range	400 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)	65W
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	4000 mAh (115 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

INSTALLATION STEPS:

1. Insert battery back-up into the bracket and secure it with three screws. Attach junction box to the side of the bracket with two screws. Screw the mounting ring into the top and the mounting hook into the bottom of the bracket, securing them at a 45° angle.
2. Attach bracket with battery to the ceiling using mounting ring. Attach lighting fixture to the mounting hook on the bottom of the bracket and secure it with screw.
3. Plug the fixture's power cable and circuit cable into the junction box. Wire according to the wiring diagram inside the junction box. Close junction box with cover and secure it with two screws.



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LED UFO HIGH BAY WITH Q-BASE

NeoX series

INSTALLATION GUIDE FOR 200-480V SYSTEMS

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.

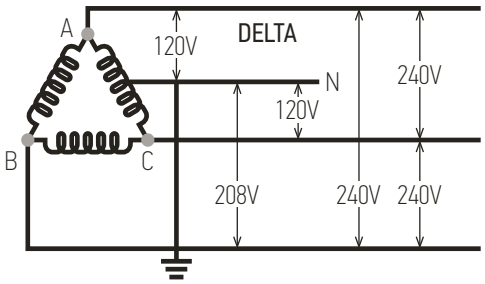
Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

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.

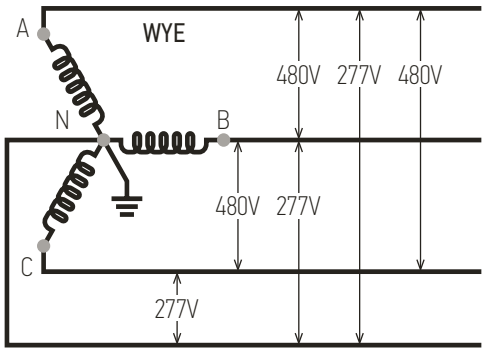
Risk of Fire: Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

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

HIGH VOLTAGE WIRING DIAGRAMS

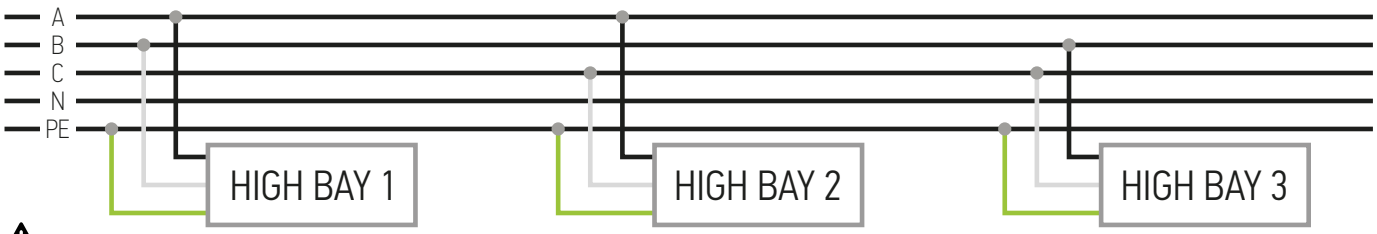


A - B 240 Volts
B - C 240 Volts
C - A 240 Volts
A - N 120 Volts
B - N 208 Volts
C - N 120 Volts



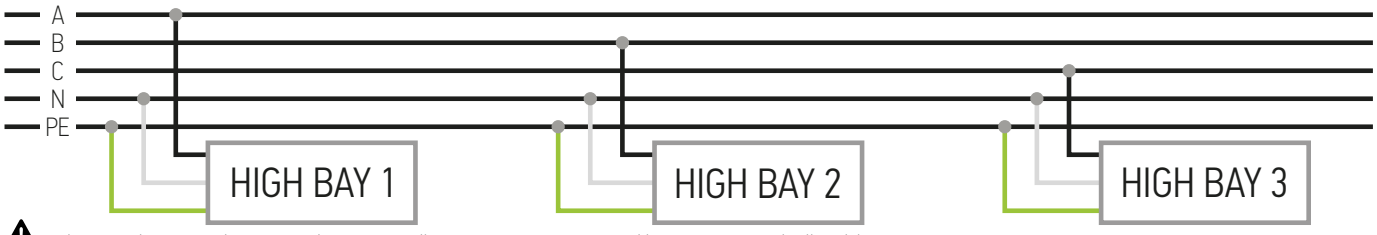
A - B 480 Volts
B - C 480 Volts
C - A 480 Volts
A - N 277 Volts
B - N 277 Volts
C - N 277 Volts

FOR DELTA WIRING configurations, please refer to the following connection diagrams:
INPUT VOLTAGE = 240V AC



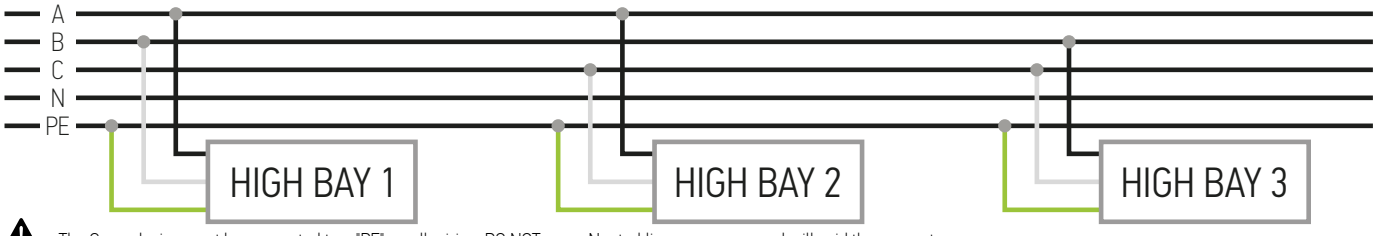
⚠ The Ground wire must be connected to a "PE" on all wiring. DO NOT use a Neutral line as your ground will void the warranty.

FOR WYE WIRING configurations, please refer to the following connection diagrams:
INPUT VOLTAGE = 277V AC



⚠ The Ground wire must be connected to a "PE" on all wiring. DO NOT use a Neutral line as your ground will void the warranty.

FOR WYE WIRING configurations, please refer to the following connection diagrams:
INPUT VOLTAGE = 480V AC



⚠ The Ground wire must be connected to a "PE" on all wiring. DO NOT use a Neutral line as your ground will void the warranty.

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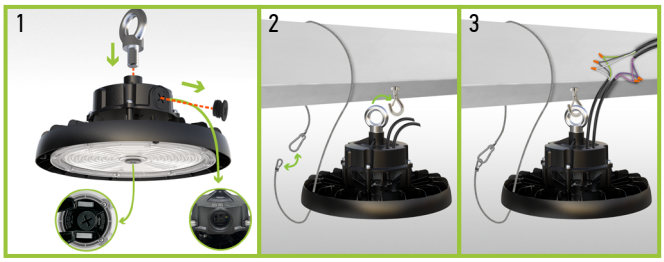
English

LED UFO HIGH BAY WITH Q-BASE

NeoX series

INSTALLATION STEPS:

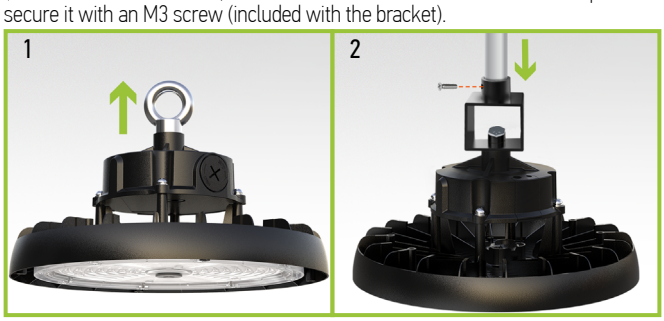
1. Screw on the mounting ring (included) and tighten it.
   For 100-300W models, unscrew the knockout on the driver box and adjust color temperature and power with a simple switch.
   For 500W models, open the rubber caps in the middle of the lens, remove the inner caps, and adjust color temperature and power with a simple switch.
2. Clip the fixture on the hook in the ceiling using the mounting ring. Secure the luminaire with a safety cable.
3. Connect the wires: Black to Black, White to White, Green to Green. Secure the connection with wire nuts.



PENDANT MOUNT BRACKET INSTALLATION

ASD-PMB-UHB sold separately:

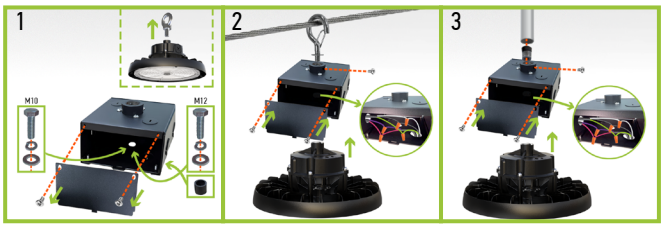
1. Remove the original ring from the driver.
2. Install the bracket and secure it to the driver using an M10 or M12 screw (included with the bracket). Screw the bracket with the fixture onto a pole and secure it with an M3 screw (included with the bracket).



PENDANT MOUNT BRACKET WITH J-BOX AND SPRING HOOK INSTALLATION

ASD-PMBJB-UHB sold separately:

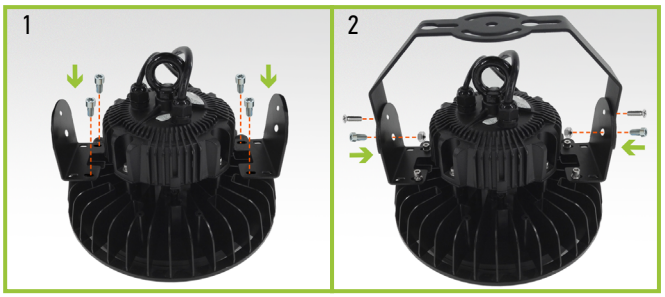
1. Uninstall the mounting ring from the fixture. Unscrew the two screws and open the side plate on the Pendant Junction box. Install M10 or M12 Mounting screw depending on the fixture's thread size.
2. **Mounting hook installation:** Loosen security screw and install the spring hook into the upper installation 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.



SURFACE MOUNT BRACKET INSTALLATION:

ASD-SMB-UHB2A sold separately

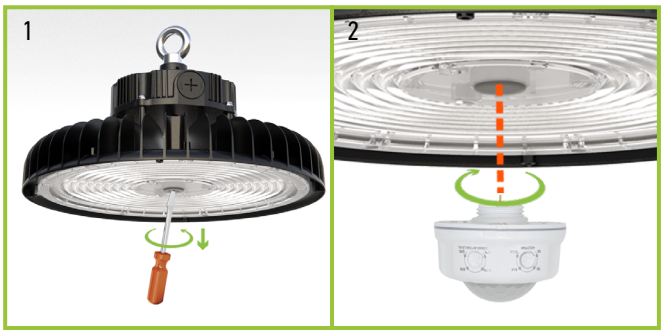
1. Use four M5x5/8" screws (included) to install bracket swivel on the top of the lamp body.
2. Use two M5x7/16" screws (included) to secure the bracket to the swivels. Adjust the light direction and secure it using two M8x13/16" screws (included).



MOTION SENSOR INSTALLATION:

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

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



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English

LED UFO HIGH BAY WITH Q-BASE

NeoX series

ORDERING INFORMATION

Model	Product dimensions	Weight	Pcs. per carton	Carton size	Carton weight	UPC	GTIN 14
UHB2A-NEOX 120-277V							
ASD-UHB2A-NEOX-150BK	10-1/4" x 10-1/4" x 4-11/16"	3.5 lbs(1.6kg)	1	10.63" x 10.63" x 6.30"	4.9 lbs	810128119566	-
ASD-UHB2A-NEOX-150WH	10-1/4" x 10-1/4" x 4 -11/16"	3.5 lbs(1.6kg)	1	10.63" x 10.63" x 6.30"	4.9 lbs	810190200612	
ASD-UHB2A-NEOX-200BK	11-5/8" x 11-5/8" x 4-13/16"	3.8 lbs(1.7kg)	1	12.20" x 12.20" x 6.50"	5.1 lbs	810128119573	-
ASD-UHB2A-NEOX-200WH	11-5/8" x 11-5/8" x 4-13/16"	3.8 lbs(1.7kg)	1	12.20" x 12.20" x 6.50"	5.1 lbs	810190200629	-
ASD-UHB2A-NEOX-240BK	11-5/8" x 11-5/8" x 5"	4.2 lbs(1.9kg)	1	12.20" x 12.20" x 6.50"	5.5 lbs	810128119580	-
ASD-UHB2A-NEOX-240WH	11-5/8" x 11-5/8" x 5"	4.2 lbs(1.9kg)	1	12.20" x 12.20" x 6.50"	5.5 lbs	810190200636	-
ASD-UHB2A-NEOX-300BK	12-5/8" x 12-5/8" x 5-3/16"	6.6 lbs(3.0kg)	1	13.19" x 13.19" x 6.89"	7.9 lbs	810128119597	-
ASD-UHB2A-NEOX-300WH	12-5/8" x 12-5/8" x 5-3/16"	6.6 lbs(3.0kg)	1	13.19" x 13.19" x 6.89"	7.9 lbs	810190200735	-
ASD-UHB2A-NEOX-500BK	14-7/16" x 14-7/16" x 7-1/8"	13.0 lbs(5.9kg)	1	15.35" x 15.35" x 9.45"	15.0 lbs	810128119603	-
UHB2AHV-NEOX 200-480V							
ASD-UHB2AHV-NEOX-150BK	10-1/4" x 10-1/4" x 4-11/16"	3.5 lbs(1.6kg)	1	10.63" x 10.63" x 6.30"	4.9 lbs	810128119917	-
ASD-UHB2AHV-NEOX-200BK	11-5/8" x 11-5/8" x 4-13/16"	3.8 lbs(1.7kg)	1	12.20" x 12.20" x 6.50"	5.1 lbs	810128119924	-
ASD-UHB2AHV-NEOX-240BK	11-5/8" x 11-5/8" x 5"	4.2 lbs(1.9kg)	1	12.20" x 12.20" x 6.50"	5.5 lbs	810128119931	-
ASD-UHB2AHV-NEOX-300BK	12-5/8" x 12-5/8" x 5-3/16"	6.6 lbs(3.0kg)	1	13.19" x 13.19" x 6.89"	7.9 lbs	810128119948	-
ASD-UHB2AHV-NEOX-500BK	14-9/16" x 14-9/16" x 8-1/16"	16.8 lbs(7.6kg)	1	17.32" x 16.93" x 10.24"	18.3 lbs	810128119962	-

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
ASD-09IR50-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	17.32" x 11.81" x 11.02"	10.7 lbs	81012811679	10810128116791	20810128116798
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	17.32" x 11.81" x 11.02"	12.1 lbs	81012811434	20810128114343	30810128114340
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	17.32" x 11.81" x 11.02"	12.1 lbs	81012811369	20810128113698	30810128113695
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	17.32" x 11.81" x 11.02"	12.1 lbs	81012811371	20810128113711	30810128113718
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	17.32" x 11.81" x 11.02"	12.1 lbs	81012811370	20810128113704	30810128113701
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	15.75" x 11.81" x 9.29"	24.7 lbs	81012811437	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
BLD-GM60R-HV	14-1/2" x 3-1/16" x 1-7/8"	-	-	-	5	20.5" x 10.8" x 16.7"	41.9 lbs	81012811214	-	10810128112144
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-16PR90-UHB150-240W	16-1/4" x 16-1/4" x 8-1/2"	-	-	-	5	16.93" x 16.93" x 15.75"	10.4 lbs	81019020348	-	20810190203488
ASD-16PL-UHB150-240W	15-15/16" x 15-15/16" x 1-3/4"	-	-	-	20	17.32" x 17.32" x 9.84"	18.5 lbs	81019020347	-	10810190203474
ASD-L60C-UHB2A	8-11/16" x 8-11/16" x 7/16"	-	-	-	20	12.20" x 12.20" x 9.45"	6.6 lbs	81019020112	-	10810190201128
ASD-L60D-UHB2A	10-13/16" x 10-13/16" x 7/16"	-	-	-	20	13.19" x 13.19" x 6.30"	9.9 lbs	81019020113	-	10810190201135
ASD-L60E-UHB2A	13-15/16" x 13-15/16" x 5/16"	-	-	-	20	15.35" x 15.35" x 9.45"	21.2 lbs	81019020114	-	10810190201142
ASD-L120A-UHB2A	9-15/16" x 9-15/16" x 9/16"	-	-	-	20	12.32" x 11.69" x 8.70"	9.3 lbs	81019020176	-	10810190201760
ASD-L120B-UHB2A	11-5/16" x 11-5/16" x 9/16"	-	-	-	20	12.20" x 12.20" x 9.45"	11.9 lbs	81019020177	-	10810190201777
ASD-SMB-UHB2A-WH	10-5/8" x 10-5/8" x 8-1/4"	-	-	-	20	20.28" x 17.13" x 15.75"	41.5 lbs	81012811569	-	10810128115695
ASD-SMB-UHB2A-BK	10-5/8" x 10-5/8" x 8-1/4"	-	-	-	20	20.28" x 17.13" x 15.75"	41.5 lbs	81012811568	-	10810128115688
ASD-H-M10	3-5/16" x 2-1/16" x 7/8"	-	-	-	50	12.60" x 7.70" x 6.90"	12.1 lbs	81920102531	-	20819201025316
ASD-H-M12	3-1/2" x 2-5/16" x 1"	-	-	-	50	11.61" x 5.79" x 4.13"	17.6 lbs	81005073055	-	10810050730553
ASD-HS-M10	3-7/8" x 1-5/8" x 1-5/16"	-	-	-	50	11.42" x 11.42" x 8.27"	12.6 lbs	81005073116	-	10810050731161
ASD-L60B-UHB2A	11-5/16" x 11-5/16" x 1/2"	-	-	-	20	12.20" x 12.20" x 9.45"	11.9 lbs	81012811589	-	10810128115893
ASD-PMB-UHB	2-3/8" x 1-9/16" x 2-13/16"	-	-	-	50	13.90" x 9.70" x 7.10"	33.7 lbs	81005073152	-	10810050731529
ASD-PMBJB-UHB	4-3/4" x 5-1/16" x 7-3/16"	-	-	-	40	17.72" x 11.42" x 21.26"	34.4 lbs	81005073699	-	20810050736996

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