



# 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!

|                |  |
|----------------|--|
| Catalog number |  |
| Notes          |  |
| Type           |  |



|         |       |
|---------|-------|
| Finish: | White |
|         | Black |

| Model                     | Watts                                    | Sensor base | Voltage   | Dimmable | Lumens          | CCT     | Finish | Dimensions (LxWxH)           | Cord |
|---------------------------|--|-------------|-----------|----------|-----------------|---------|--------|------------------------------|------|
| <b>UHB2A 150lm/W</b>      |  |             |           |          |                 |         |        |                              |      |
| ASD-UHB2-150A50-BK        | 100/120/150W                             | -           | 120-277 V | 0-10 V   | up to 23,282 lm | 5,000 K | Black  | 11" x 11" x 6-3/4"           | 4 ft |
| ASD-UHB2-200A50-BK        | 100/150/200W                             | -           | 120-277 V | 0-10 V   | up to 30,978 lm | 5,000 K | Black  | 11" x 11" x 6-3/4"           | 4 ft |
| ASD-UHB2-240A50-BK        | 150/200/240W                             | -           | 120-277 V | 0-10 V   | up to 37,120 lm | 5,000 K | Black  | 12-5/8" x 12-5/8" x 6-3/4"   | 4 ft |
| ASD-UHB2A-150A50-BK       | 100/120/150W                             | 3-pin       | 120-277 V | 0-10 V   | up to 23,013 lm | 5,000 K | Black  | 11" x 11" x 6-3/4"           | 4 ft |
| ASD-UHB2A-200A50-WH       | 100/150/200W                             | 3-pin       | 120-277 V | 0-10 V   | up to 30,978 lm | 5,000 K | White  | 11" x 11" x 6-3/4"           | 4 ft |
| ASD-UHB2A-200A50-BK       | 100/150/200W                             | 3-pin       | 120-277 V | 0-10 V   | up to 30,978 lm | 5,000 K | Black  | 11" x 11" x 6-3/4"           | 4 ft |
| ASD-UHB2A-240A50-BK       | 150/200/240W                             | 3-pin       | 120-277 V | 0-10 V   | up to 37,120 lm | 5,000 K | Black  | 12-5/8" x 12-5/8" x 6-3/4"   | 4 ft |
| ASD-UHB2A-300A50-BK       | 200/240/300W                             | 3-pin       | 120-277 V | 0-10 V   | up to 45,148 lm | 5,000 K | Black  | 12-5/8" x 12-5/8" x 7-15/16" | 4 ft |
| <b>SENSORS AND REMOTE</b> |  |             |           |          |                 |         |        |                              |      |
| 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, page 2.

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



# LED UFO HIGH BAY WITH Q-BASE

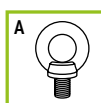
## PRODUCT SPECIFICATIONS:

| Construction & Materials  |                                   |                                 |                     |                                 |                     |                  |  |
|---|-----------------------------------|---------------------------------|---------------------|---------------------------------|---------------------|------------------|--|
| Housing   | Aluminum                          |                                 |                     |                                 |                     |                  |  |
| Lens  | PC                                |                                 |                     |                                 |                     |                  |  |
| Finish  | White, Black                      |                                 |                     |                                 |                     |                  |  |
| Weight  | ASD-UHB2-150A50-BK                | 4.2 lbs (1.9 kg)                | ASD-UHB2A-150A50-BK | 4.2 lbs (1.9 kg)                | ASD-UHB2A-240A50-BK | 5.5 lbs (2.5 kg) |  |
|   | ASD-UHB2-200A50-BK                |                                 | ASD-UHB2A-200A50-WH |                                 | ASD-UHB2A-300A50-BK | 6.6 lbs (3 kg)   |  |
|   | ASD-UHB2-240A50-BK                | 5.5 lbs (2.5 kg)                | ASD-UHB2A-200A50-BK |                                 |                     |                  |  |
| Environmental system  |                                   |                                 |                     |                                 |                     |                  |  |
| Work environment  | Suitable for Wet Locations, IP69K |                                 |                     |                                 |                     |                  |  |
| Operating temperature   | -40°F to 140°F (-40°C to 60°C) *  |                                 |                     |                                 |                     |                  |  |
| L-70 Life   | ASD-UHB2-150A50-BK                | R > 54,000 hrs; C > 143,000 hrs | ASD-UHB2A-200A50-WH | R > 54,000 hrs; C > 140,000 hrs |                     |                  |  |
|   | ASD-UHB2-200A50-BK                |                                 | ASD-UHB2A-200A50-BK |                                 |                     |                  |  |
|   | ASD-UHB2-240A50-BK                |                                 | ASD-UHB2A-240A50-BK | R > 54,000 hrs; C > 138,000 hrs |                     |                  |  |
|   | ASD-UHB2A-150A50-BK               |                                 | ASD-UHB2A-300A50-BK | R > 54,000 hrs; C > 142,000 hrs |                     |                  |  |
| Optical system  |                                   |                                 |                     |                                 |                     |                  |  |
| Color temperature   | 5,000 K                           |                                 |                     |                                 |                     |                  |  |
| CRI   | > 70                              |                                 |                     |                                 |                     |                  |  |
| Electrical system   |                                   |                                 |                     |                                 |                     |                  |  |
| Input voltage   | Regular voltage: 120-277 V        |                                 |                     |                                 |                     |                  |  |
| Max input current   | ASD-UHB2-150A50-BK                | 1.4 A                           | ASD-UHB2A-150A50-BK | 1.4 A                           | ASD-UHB2A-240A50-BK | 2.3 A            |  |
|   | ASD-UHB2-200A50-BK                | 1.9 A                           | ASD-UHB2A-200A50-WH | 1.9 A                           | ASD-UHB2A-300A50-BK | 2.8 A            |  |
|   | ASD-UHB2-240A50-BK                | 2.3 A                           | ASD-UHB2A-200A50-BK |                                 |                     |                  |  |
| Inrush current (Action time)  | ASD-UHB2-150A50-BK                | 88 A (0.12 S)                   | ASD-UHB2A-150A50-BK | 88 A (0.12 S)                   | ASD-UHB2A-240A50-BK | 92 A (0.2 S)     |  |
|   | ASD-UHB2-200A50-BK                | 94.5 A (0.16 S)                 | ASD-UHB2A-200A50-WH | 94.5 A (0.16 S)                 | ASD-UHB2A-300A50-BK | 100 A (0.7 S)    |  |
|   | ASD-UHB2-240A50-BK                | 92 A (0.2 S)                    | ASD-UHB2A-200A50-BK |                                 |                     |                  |  |
| Off state power   | 0W                                |                                 |                     |                                 |                     |                  |  |
| Power consumption   | ASD-UHB2-150A50-BK                | 100/120/150W                    | ASD-UHB2A-150A50-BK | 100/120/150W                    | ASD-UHB2A-240A50-BK | 150/200/240W     |  |
|   | ASD-UHB2-200A50-BK                | 100/150/200W                    | ASD-UHB2A-200A50-WH | 100/150/200W                    | ASD-UHB2A-300A50-BK | 200/240/300W     |  |
|   | ASD-UHB2-240A50-BK                | 150/200/240W                    | ASD-UHB2A-200A50-BK |                                 |                     |                  |  |
| Power factor  | > 0.9                             |                                 |                     |                                 |                     |                  |  |
| Output voltage  | 252 V                             |                                 |                     |                                 |                     |                  |  |
| Max output current  | ASD-UHB2-150A50-BK                | 0.57 A                          | ASD-UHB2A-150A50-BK | 0.57 A                          | ASD-UHB2A-240A50-BK | 0.91 A           |  |
|   | ASD-UHB2-200A50-BK                | 0.76 A                          | ASD-UHB2A-200A50-WH | 0.76 A                          | ASD-UHB2A-300A50-BK | 1.13 A           |  |
|   | ASD-UHB2-240A50-BK                | 0.91 A                          | ASD-UHB2A-200A50-BK |                                 |                     |                  |  |
| Surge protection DM/CM  | 6 kV / 6 kV                       |                                 |                     |                                 |                     |                  |  |
| Dimming compatible controls   |                                   |                                 |                     |                                 |                     |                  |  |
| Brand   | Leviton                           |                                 | Lutron              |                                 |                     |                  |  |
| Models  | ZS057-DOZ                         | DD710                           | MS-Z101             | NTSTV                           |                     |                  |  |
|   | DS710                             | IP710                           | DVSTV               | DVTV                            |                     |                  |  |
| 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  |                                   |                                 |                     |                                 |                     |                  |  |

\* 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.

## PACKAGE CONTENTS:

| Description                  | Q-ty |
|------------------------------|------|
| LED UFO High Bay with Q-base | 1    |
| Mounting ring (A)            | 1    |
| Box                          | 1    |



## ANNEX 1

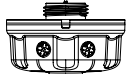

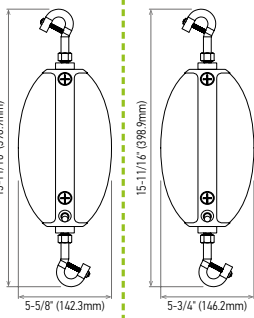
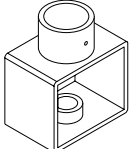
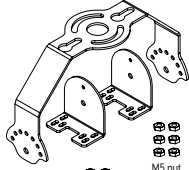
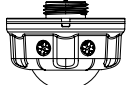


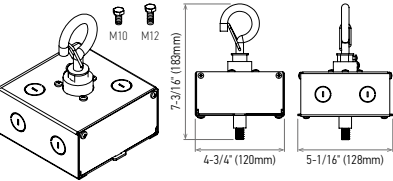
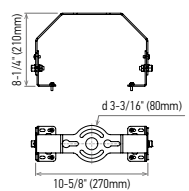
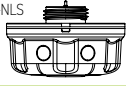


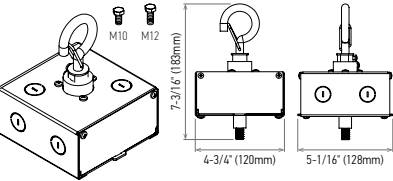
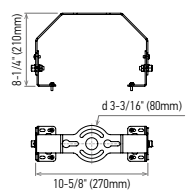
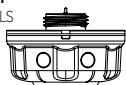


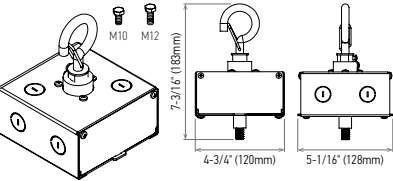
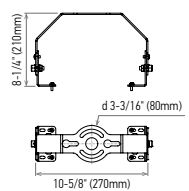
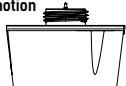
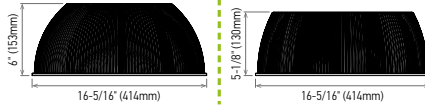
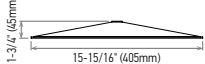
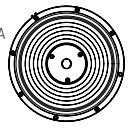
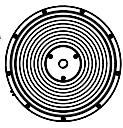
| Model                                      | Watts | 5,000 K   |
|--|-------|-----------|
| ASD-UHB2-150A50-BK                         | 100W  | 15,885 lm |
|  | 120W  | 18,982 lm |
|  | 150W  | 23,282 lm |
| ASD-UHB2-200A50-BK                         | 100W  | 15,885 lm |
|  | 150W  | 24,520 lm |
|  | 200W  | 30,978 lm |
| ASD-UHB2-240A50-BK                         | 150W  | 22,876 lm |
|  | 200W  | 30,720 lm |
|  | 240W  | 37,120 lm |
| ASD-UHB2A-150A50-BK                        | 100W  | 15,885 lm |
|  | 120W  | 18,884 lm |
|  | 150W  | 23,013 lm |
| ASD-UHB2A-200A50-WH<br>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 |

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



# LED UFO HIGH BAY WITH Q-BASE

## ACCESSORIES (sold separately):

|  |   |   |  |   |
|--|---|---|--|---|
| <b>Microwave motion sensor 3pin</b><br>ASD-09MW<br>           | <b>Remote control for motion sensor</b><br>ASD-06RC<br>                            | <b>Battery back-up kit</b><br>40W BLD-RM40R<br>60W BLD-RM60R<br> | <b>Pendant mount bracket</b><br>ASD-PMB-UHB<br>                               | <b>Surface mount bracket</b><br>ASD-SMB-UHBZA<br>    |
| <b>Infrared motion sensor 3pin</b><br>ASD-09IR<br>            | <b>Remote control for NLS devices</b><br>ASD-06RC-NLS<br>                          | <b>Spring hook</b><br>ASD-H-M10<br>                              | <b>Pendant mount bracket with j-box and spring hook</b><br>ASD-PMBJB-UHB<br> | <b>Surface mount bracket</b><br>ASD-SMB-UHBZA<br>    |
| <b>Microwave motion sensor smart 3pin</b><br>ASD-09MW-NLS<br> | <b>Screw-bolt hook</b><br>ASD-HS-M10<br>   | <b>Remote test switch for battery back-up kit</b><br>RN1<br>     | <b>Pendant mount bracket with j-box and spring hook</b><br>ASD-PMBJB-UHB<br> | <b>Surface mount bracket</b><br>ASD-SMB-UHBZA<br>    |
| <b>Infrared motion sensor smart 3pin</b><br>ASD-09IR-NLS<br>  | <b>Spring hook</b><br>ASD-H-M10<br>  | <b>Remote test switch for battery back-up kit</b><br>RN1<br>     | <b>Pendant mount bracket with j-box and spring hook</b><br>ASD-PMBJB-UHB<br> | <b>Surface mount bracket</b><br>ASD-SMB-UHBZA<br>    |
| <b>Infrared motion sensor 3pin 50ft</b><br>ASD-09IR50<br>     | <b>Polycarbonate reflector 16" 90°</b><br>ASD-DUHB2A-A16PC<br>ASD-DUHB2A-B16PC<br> | <b>Polycarbonate bottom lens</b><br>ASD-BLUHB2A-AB<br>           | <b>Clear lens for 150-200W</b><br>ASD-L60A-UHB2A<br>                        | <b>Clear lens for 240-300W</b><br>ASD-L60B-UHB2A<br> |

## 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 | Spring hook M10 ASD-H-M10 | 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 | Surface mount bracket ASD-SMB-UHBZA | Polycarbonate bottom lens ASD-BLUHB2A-AB | Polycarbonate reflector 16" 90° ASD-DUHB2A-A16PC | Polycarbonate reflector 16" 90° ASD-DUHB2A-B16PC | Clear lens ASD-L60A-UHB2A | Clear lens ASD-L60B-UHB2A |
| ASD-UHB2-150A50-BK  |                                       |   |  |   | •                                 | •                                 | •                         | •                              | •                                 | •  | •                                   | •  | •  | •  | •                         | •                         |
| ASD-UHB2-200A50-BK  |                                       |   |  |   | •                                 | •                                 | •                         | •                              | •                                 | •  | •                                   | •  | •  | •  | •                         | •                         |
| ASD-UHB2-240A50-BK  |                                       |   |  |   | •                                 | •                                 | •                         | •                              | •                                 | •  | •                                   | •  | •  | •  | •                         | •                         |
| 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

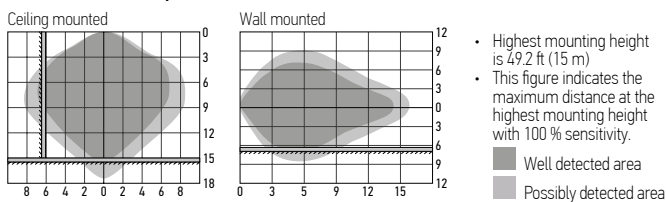
REMOTE CONTROL **ASD-06RC** **ASD-06RC-NLS** sold separately:



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



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



#### 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 powering ON the sensor, light will be ON 100% for about 10S then dims to standby level or OFF.

#### Installation precautions:

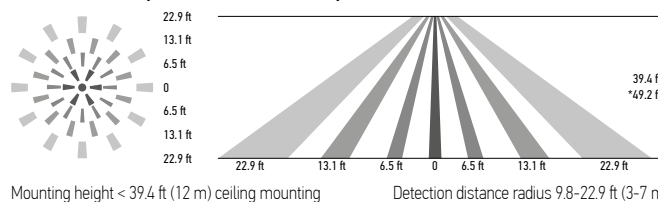
- Designed for ceiling mount installation. If installing on a side wall, adjust the sensitivity settings accordingly, as it will become more sensitive.
- Make sure the microwave module is completely exposed.
- The detection surface of the sensor module should be installed facing the detection area.

#### Application environment:

- Suitable for indoor application, partial/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.

| 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   | -                                       | -                  |

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



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 the lighting fixture.
- Designed for ceiling mount installation. If installing on a side wall, adjust the sensitivity settings accordingly, as 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.

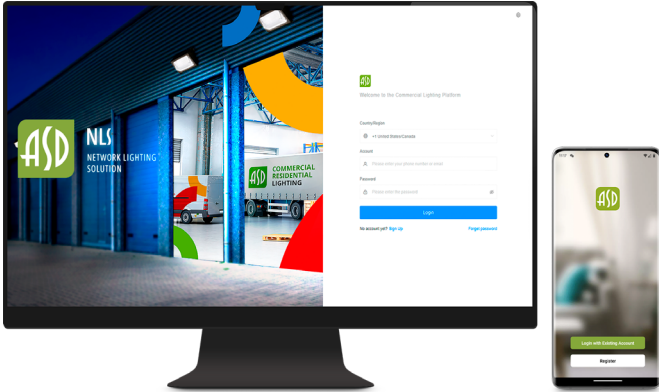
## DEFAULT SETTING:

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

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 smart 3pin



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



[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.



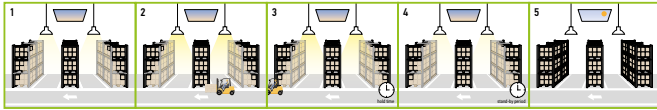
For most up-to-date spec sheets please refer to [asd-lighting.com](http://asd-lighting.com)



# LED UFO HIGH BAY WITH Q-BASE

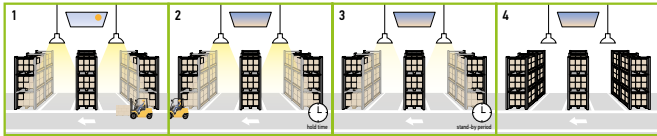
## WITH DUSK/DAWN FUNCTION:

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.



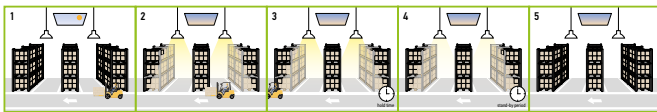
## WITH DAYLIGHT DISABLED:

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.



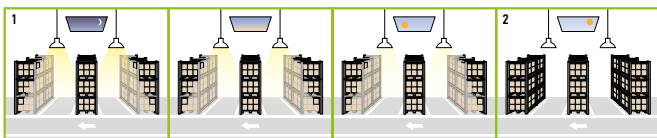
## WITH DAYLIGHT THRESHOLD:

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.



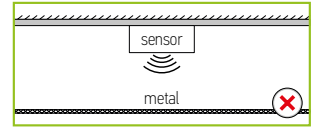
## DAYLIGHT HARVESTING:

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.

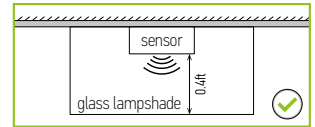


## MICROWAVE MOTION SENSOR:

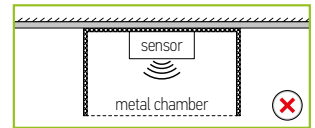
To avoid blocking the microwave emission, the microwave sensor can not be covered with metal materials, be sprayed with a coating of metal components, or have attached metal material or stickers etc.



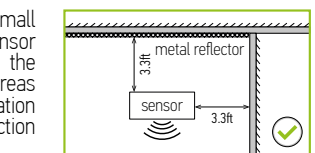
The distance between the antenna and the glass (dielectric material) should be no less than 0.4 ft when the sensor is within the glass lampshade. Otherwise, the microwave motion sensor will not penetrate the glass easily.



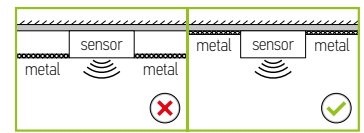
Avoid placing the sensor inside a metal chamber, this may cause a mis-trigger.



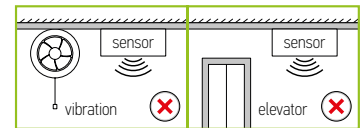
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.



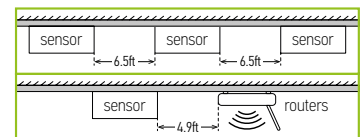
To avoid affecting the microwave signal transmission, the microwave antenna should be higher than the surrounding metal surface.



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

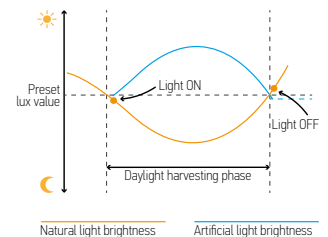


There must be at least 6.5ft between microwave sensors; There must be at least 4.9ft between the sensor and other wireless devices such as routers to avoid possible radio interference.



## 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.



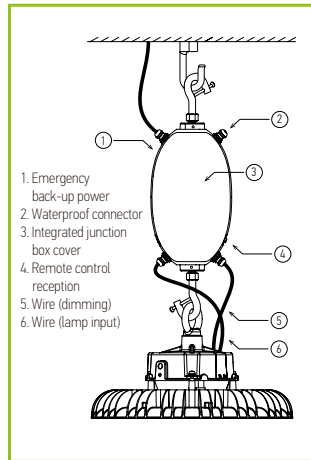


# LED UFO HIGH BAY WITH Q-BASE

## 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.



| 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 (9% WH)   |           |
| Battery recharge time                  | 24 hours   |           |
| Battery discharge time                 | 90 min   |           |
| Maximum lighting fixture weight        | 44.1 lbs (20 kg)   |           |
| Self-diagnostic test system            | <p>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.</p> <p>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.</p> |           |
| 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<br>Dry/Wet Locations, IP65  |           |

### REMOTE TEST SWITCH

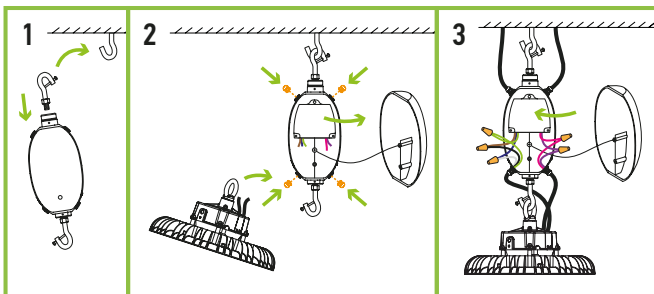
**RN1** sold separately:

| Button | Remarks  |
|--------|--|
| 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    | Press this button to switch the fixture to normal operation mode.  |

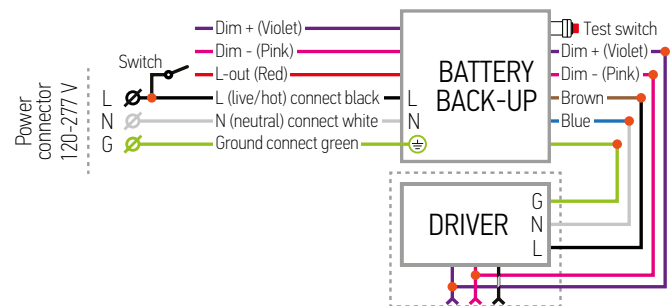


### INSTALLATION STEPS:

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.



### 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

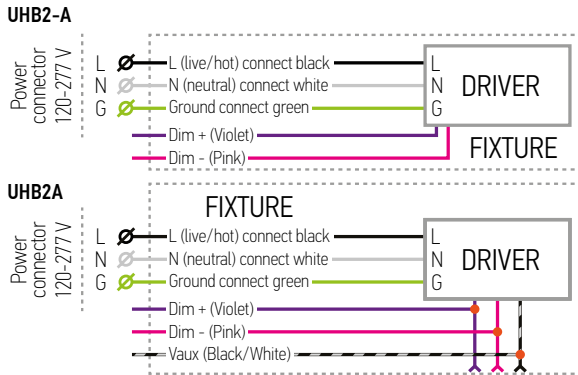
## INSTALLATION GUIDE

### IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation.

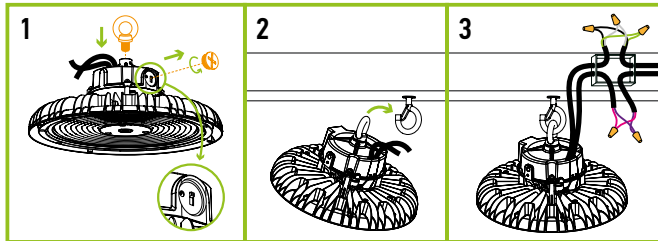
- ▶ Make sure that the supply voltage corresponds to the rated product voltage.
- ▶ The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- ▶ If the product is damaged, do not use it.

### ELECTRICAL SCHEMATIC DIAGRAM:



### INSTALLATION STEPS:

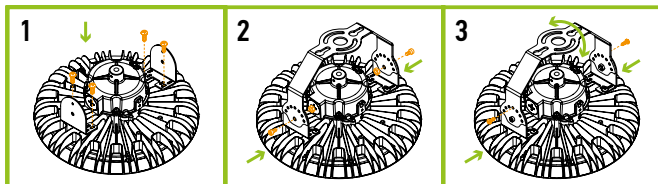
1. Screw on the mounting ring (included) and tighten it. Unscrew the knockout on the driver box and adjust power using the simple switch.
2. Clip the fixture on the hook in the ceiling using the mounting ring.
3. Connect the wires: Black to Black, White to White, Green to Green. Secure the connection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



### ⚠ 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.

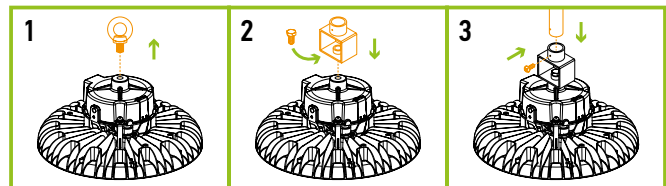
**Risk of Fire:** Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

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

### PENDANT MOUNT BRACKET INSTALLATION

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

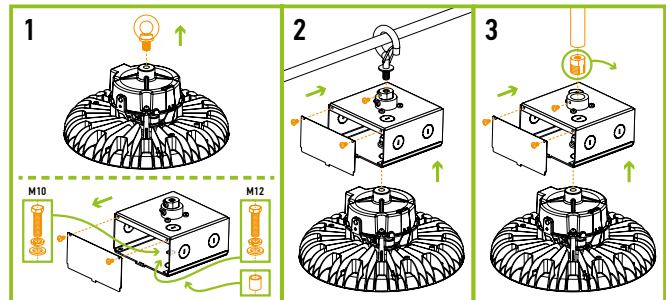
1. Remove the original ring from the driver.
2. Install the bracket and secure it to the driver using an M10 or M12 screw (included with the bracket).
3. Screw the bracket with the fixture onto a pole and secure it with an M3 screw (included with the bracket).



### 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.



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





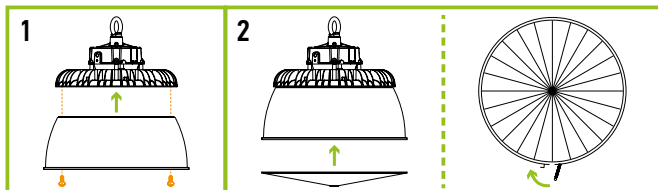
# LED UFO HIGH BAY WITH Q-BASE

## DIFFUSER AND LENS INSTALLATION

ASD-DUHB2A-A16PC ASD-DUHB2A-B16PC

ASD-BLUHB2A-AB sold separately:

1. Install the diffuser, tighten the screws.
2. Attach the conical lens to the included clamp.



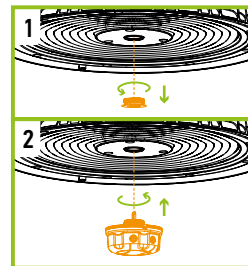
## MOTION SENSOR INSTALLATION

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.



## ORDERING INFORMATION

| Model               | UPC          | Pcs. per carton | Carton size          | Carton weight |
|---------------------|--------------|-----------------|----------------------|---------------|
| UHB2A 150lm/W       |              |                 |                      |               |
| ASD-UHB2-150A50-BK  | 810128114936 | 1               | 11.6" x 11.6" x 6.3" | 5.5 lbs       |
| ASD-UHB2-200A50-BK  | 810128114943 | 1               | 11.6" x 11.6" x 6.3" | 5.5 lbs       |
| ASD-UHB2-240A50-BK  | 810128114950 | 1               | 13.2" x 13.2" x 6.3" | 6.8 lbs       |
| ASD-UHB2A-150A50-BK | 810128115902 | 1               | 11.6" x 11.6" x 6.3" | 5.5 lbs       |
| ASD-UHB2A-200A50-WH | 810128115797 | 1               | 11.6" x 11.6" x 6.3" | 5.5 lbs       |
| ASD-UHB2A-200A50-BK | 810128115919 | 1               | 11.6" x 11.6" x 6.3" | 5.5 lbs       |
| ASD-UHB2A-240A50-BK | 810128115926 | 1               | 13.2" x 13.2" x 6.3" | 6.8 lbs       |
| ASD-UHB2A-300A50-BK | 810128115933 | 1               | 13.2" x 13.2" x 6.9" | 7.9 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 |
| RN1              | Remote test switch for battery back-up kit       | 810050735223 | -                  | -                   | -                 | -                     | 50              | 13" x 9.8" x 6.5"     | 8.3 lbs       | 20810050735227 |
| ASD-H-M10        | Spring hook M10                                  | 819201025312 | -                  | -                   | -                 | -                     | 50              | 12.6" x 7.7" x 6.9"   | 12.1 lbs      | 20819201025316 |
| ASD-HS-M10       | Screw-bolt hook M10                              | 810050731164 | -                  | -                   | -                 | -                     | 50              | 11.4" x 11.4" x 8.3"  | 12.6 lbs      | 10810050731161 |
| 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 |
| ASD-SMB-UHB2A-WH | Surface mount bracket white for 150-300W         | 810128115698 | -                  | -                   | -                 | -                     | 20              | 20.3" x 17.1" x 15.8" | 41.5 lbs      | 10810128115695 |
| ASD-SMB-UHB2A-BK | Surface mount bracket black for 150-300W         | 810128115681 | -                  | -                   | -                 | -                     | 20              | 20.3" x 17.1" x 15.8" | 41.5 lbs      | 10810128115688 |
| ASD-BLUHB2A-AB   | Polycarbonate bottom lens                        | 810128115674 | -                  | -                   | -                 | -                     | 20              | 17.3" x 17.3" x 9.8"  | 18.5 lbs      | 10810128115671 |
| ASD-DUHB2A-A16PC | Polycarbonate reflector 16" 90° for 150-200W     | 810128115650 | -                  | -                   | -                 | -                     | 10              | 16.9" x 16.9" x 19.7" | 12.1 lbs      | 10810128115657 |
| ASD-DUHB2A-B16PC | Polycarbonate reflector 16" 90° for 240-300W     | 810128115667 | -                  | -                   | -                 | -                     | 10              | 16.9" x 16.9" x 19.7" | 11 lbs        | 10810128115664 |
| ASD-L60A-UHB2A   | Clear lens for 150-200W                          | 810128115889 | -                  | -                   | -                 | -                     | 20              | 12.3" x 11.7" x 8.7"  | 9.3 lbs       | 10810128115886 |
| ASD-L60B-UHB2A   | Clear lens for 240-300W                          | 810128115896 | -                  | -                   | -                 | -                     | 20              | 12.2" x 12.2" x 9.5"  | 11.9 lbs      | 10810128115893 |

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