



- ▶ DESIGN LED LINEAR HIGH BAY WITH Q-BASE has a built-in motion sensor base, allowing you to install microwave or PIR motion sensor. Die-cast aluminum housing with excellent heat dissipation along with an anti-glare PC lens provide many years of use. It is designed to operate on 120-277V circuits with a 0-10V dimmable driver. WHB5A-PRO Series is also extremely efficient with a 170lm/W output.
- ▶ BATTERY BACK-UP The built-in battery back-up provides 90 minutes of power in case of emergency.
- ▶ SURGE PROTECTION 6kV protects the fixture from voltage spikes and current surges.
- ▶ COLOR AND POWER SELECTABLE You can choose either a 3,500K neutral white, 4,000K cool white or 5,000K daylight color temperature, and change the power with a simple switch.
- ▶ INSTALLATION It has three different mounting options: suspended, surface, and pendant. Perfect commercial or industrial solution for warehouses, supermarkets, retail stores, gyms, and many other applications. This fixture is also Damp Locations rated.
- ▶ ADVANTAGES With calculated lifespan up to 187,000 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          |  |
| Туре           |  |



| Model                  | Watts        | Q-base | Voltage   | Dimmable     | Lumens             | CCT                        | Finish | Dimensions (LxWxH)             |
|------------------------|--------------|--------|-----------|--------------|--------------------|----------------------------|--------|--------------------------------|
|                        |              |        |           | WHB5A        | 150lm/W            |                            |        |                                |
| ASD-WHB5A-100D50       | 100W         | 3-pin  | 120-277 V | 0-10 V       | 15,230 lm          | 5,000 K                    | White  | 14-3/16" x 9-13/16" x 1-7/8"   |
| ASD-WHB5A-160D50       | 160W         | 3-pin  | 120-277 V | 0-10 V       | 24,087 lm          | 5,000 K                    | White  | 14-3/16" x 9-13/16" x 1-7/8"   |
| ASD-WHB5A-220D50       | 220W         | 3-pin  | 120-277 V | 0-10 V       | 29,434 lm          | 5,000 K                    | White  | 19-11/16" x 11-13/16" x 2-1/8  |
| ASD-WHB5A-320D50       | 320W         | 3-pin  | 120-277 V | 0-10 V       | 43,638 lm          | 5,000 K                    | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
| ASD-WHB5A-400D50       | 400W         | 3-pin  | 120-277 V | 0-10 V       | 53,082 lm          | 5,000 K                    | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
| ASD-WHB5A-500D50       | 500W         | 3-pin  | 120-277 V | 0-10 V       | 73,306 lm          | 5,000 K                    | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
| ASD-WHB5A-A160DAC      | 100/130/160W | 3-pin  | 120-277 V | 0-10 V       | up to 23,257 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 14-3/16" x 9-13/16" x 1-7/8"   |
| ASD-WHB5A-A320DAC      | 220/260/320W | 3-pin  | 120-277 V | 0-10 V       | up to 47,277 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
| ASD-WHB5A-A500DAC      | 320/400/500W | 3-pin  | 120-277 V | 0-10 V       | up to 69,834 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
|                        |              |        | WHB5A     | -EM WITH BAT | TERY BACK-UP 150ln | n/W                        |        |                                |
| ASD-WHB5A-160D50-20EM  | 160W         | 3-pin  | 120-277 V | 0-10 V       | 21,657 lm          | 5,000 K                    | White  | 14-3/16" x 9-13/16" x 2-11/16" |
| ASD-WHB5A-220D50-20EM  | 220W         | 3-pin  | 120-277 V | 0-10 V       | 29,434 lm          | 5,000 K                    | White  | 19-11/16" x 11-13/16" x 2-1/8' |
| ASD-WHB5A-A160DAC-20EM | 100/130/160W | 3-pin  | 120-277 V | 0-10 V       | up to 23,257 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 14-3/16" x 9-13/16" x 2-11/16  |
| ASD-WHR5A-A220DAC-20FM | 130/160/220W | 3-nin  | 120-277 V | 0-10 V       | up to 31 097 lm    | 3CCT (3.500/4.000/5.000 K) | White  | 19-11/16" x 11-13/16" x 2-1/8  |

| Model                | Watts               | Q-base           | Voltage    | Dimmable     | Lumens             | CCT                        | Finish | Dimensions (LxWxH)             |
|----------------------|---------------------|------------------|------------|--------------|--------------------|----------------------------|--------|--------------------------------|
|                      |                     |                  |            | WHB5A-P      | RO 170lm/W         |                            |        |                                |
| ASD-WHB5A-PR0-100    | 60/80/100W          | 3-pin            | 120-277 V  | 0-10 V       | up to 16,552 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 14-3/16" x 9-13/16" x 1-7/8"   |
| ASD-WHB5A-PR0-160    | 100/130/160W        | 3-pin            | 120-277 V  | 0-10 V       | up to 26,276 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 19-11/16" x 11-13/16" x 2-1/8" |
| ASD-WHB5A-PR0-220    | 130/160/220W        | 3-pin            | 120-277 V  | 0-10 V       | up to 35,215 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 19-11/16" x 11-13/16" x 2-1/8" |
| ASD-WHB5A-PR0-320    | 220/260/320W        | 3-pin            | 120-277 V  | 0-10 V       | up to 51,291 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
| ASD-WHB5A-PR0-500    | 320/400/500W        | 3-pin            | 120-277 V  | 0-10 V       | up to 80,269 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
|                      |                     |                  | WHB        | 5A-HV-PRO HI | GH VOLTAGE 170lm/V | V                          |        |                                |
| ASD-WHB5A-HV-PRO-220 | 130/160/220W        | 3-pin            | 277-480 V  | 0-10 V       | up to 36,018 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 19-11/16" x 11-13/16" x 2-1/8" |
| ASD-WHB5A-HV-PRO-320 | 220/260/320W        | 3-pin            | 277-480 V  | 0-10 V       | up to 50,940 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
| ASD-WHB5A-HV-PRO-500 | 320/400/500W        | 3-pin            | 277-480 V  | 0-10 V       | up to 80,049 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 39-3/8" x 11-13/16" x 2-1/8"   |
|                      |                     |                  | WHB5A-PI   | RO-EM WITH B | ATTERY BACK-UP 170 | Olm/W                      |        |                                |
| ASD-WHB5A-PR0-160-EM | 100/130/160W        | 3-pin            | 120-277 V  | 0-10 V       | up to 26,276 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 19-11/16" x 11-13/16" x 2-1/8" |
| ASD-WHB5A-PRO-220-EM | 130/160/220W        | 3-pin            | 120-277 V  | 0-10 V       | up to 35,215 lm    | 3CCT (3,500/4,000/5,000 K) | White  | 19-11/16" x 11-13/16" x 2-1/8" |
|                      |                     |                  |            | SENSORS      | AND REMOTE         |                            |        |                                |
| ASD-09MW-WH          | Microwave motion    | sensor 3pin w    | hite       |              |                    |                            |        | 2-1/8" x 2-1/8" x 1-5/16"      |
| ASD-09MW-BK          | Microwave motion    | sensor 3pin bl   | ack        |              |                    |                            |        | 2-1/8" x 2-1/8" x 1-5/16"      |
| ASD-09IR-WH          | Infrared motion ser | ısor 3pin white  | 9          |              |                    |                            |        | 2-1/8" x 2-1/8" x 1-11/16"     |
| ASD-09IR-BK          | Infrared motion ser | ısor 3pin black  | (          |              |                    |                            |        | 2-1/8" x 2-1/8" x 1-11/16"     |
| ASD-09IR50-WH        | Infrared motion ser | ısor 3pin 50ft v | vhite      |              |                    |                            |        | 2-1/8" x 2-1/8" x 1-11/16"     |
| ASD-06RC             | Remote control for  | motion senso     | r          |              |                    |                            |        | 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 ser | ısor smart 3pi   | n white    |              |                    |                            |        | 2-1/8" x 2-1/8" x 1-11/16"     |
| ASD-06RC-NLS         | Remote control for  | motion senso     | r smart    |              |                    |                            |        | 5-11/16" x 1-3/4" x 13/16"     |

For detailed luminous flux information please refer to Annex 1, page 11.









| Construction & Materials         |                             |                              |   |                         |                                     |                   |
|----------------------------------|-----------------------------|------------------------------|---|-------------------------|-------------------------------------|-------------------|
| Housing                          | Die-cast aluminum           |                              |   |                         |                                     |                   |
| _ens                             | PC                          |                              |   |                         |                                     |                   |
| Finish                           | White                       |                              |   |                         |                                     |                   |
|                                  | ASD-WHB5A-100D50            | 0.011 (4.01 )                | ASD-WHB5A-A160DAC   | 4 lbs (1.8 kg)          | ASD-WHB5A-PR0-100                   | 4.2 lbs (1.9 kg)  |
|                                  | ASD-WHB5A-160D50            | 3.9 lbs (1.8 kg)             | ASD-WHB5A-A320DAC   | 12.6 lbs (5.7 kg)       | ASD-WHB5A-PR0-160                   | 6.2 lbs (2.8 kg)  |
|                                  | ASD-WHB5A-220D50            | 6.1 lbs (2.8 kg)             | ASD-WHB5A-A500DAC   | 13.7 lbs (6.2 kg)       | ASD-WHB5A-PR0-220                   | 6.4 lbs (2.9 kg)  |
|                                  | ASD-WHB5A-320D50            | 12.3 lbs (5.6 kg)            | ASD-WHB5A-160D50-20EM   | 5.1 lbs (2.3 kg)        | ASD-WHB5A-PRO-320                   | 12.1 lbs (5.5 kg  |
|                                  | ASD-WHB5A-400D50            | 12.3 lbs (5.6 kg)            | ASD-WHB5A-220D50-20EM   | 7.3 lbs (3.3 kg)        | ASD-WHB5A-PR0-500                   | 12.6 lbs (5.7 kg  |
| Weight                           | ASD-WHB5A-500D50            | 12.5 lbs (5.7 kg)            | ASD-WHB5A-A160DAC-20EM  | 5.3 lbs (2.4 kg)        | ASD-WHB5A-HV-PR0-220                | 6.4 lbs (2.9 kg)  |
|                                  | 7.05 11115071 000500        | 12.0 tb0 (0.7 Ng)            | ASD-WHB5A-A220DAC-20EM  | 7.5 lbs (3.4 kg)        | ASD-WHB5A-HV-PR0-320                | 12.1 lbs (5.5 kg  |
|                                  |                             |                              | THE THEORY PLEEDING EST.  | 7.0 20 (c. 11.g)        | ASD-WHB5A-HV-PR0-500                | 12.6 lbs (5.7 kg  |
|                                  |                             |                              |   |                         | ASD-WHB5A-PR0-160-EM                | 7.5 lbs (3.4 kg)  |
|                                  |                             |                              |   |                         | ASD-WHB5A-PRO-220-EM                | 7.7 lbs (3.5 kg)  |
| Environmental system             |                             |                              |   |                         | 7100 1111001 11110 220 21 1         | 7.7 tab (0.0 rtg) |
| Work environment                 | Suitable for Damp Location  | าร                           |   |                         |                                     |                   |
| Operating temperature            | -40°F to 122°F (-40°C to 50 |                              |   |                         |                                     |                   |
| sperating temperature            | for WHB5A models: R > 54    |                              | for DAC models: R > 54,000 hrs; C                                 | > 182 NNN hrs           | for PRO models: R > 102,000 hrs     | · C > 167 NNN hrs |
| L-70 Life                        | for ASD-WHB5A-500D50 r      |                              |   | 7 102,000 1113          | 101 1 No 1110dct3. N > 102,000 1113 | , 6, 107,0001113  |
| - 70 EIIC                        | for ASD-WHB5A-A220DA0       |                              |   |                         |                                     |                   |
| Optical system                   | TOT ADD WITDUA-AZZUDAC      | , 2021-111100GL IV < 40,000  | 1113, 5 < 107,000 1113  |                         |                                     |                   |
|                                  | 5.000 K                     |                              |   |                         |                                     |                   |
| Color temperature                | 3CCT switch (3,500/4,000/   | 5 NON K) 5 NON K by defai    | lt  |                         |                                     |                   |
| CRI                              | > 80                        | 5,550 11,, 5,000 ft by deldt | nt.   |                         |                                     |                   |
| Electrical system                | - 00                        |                              |   |                         |                                     |                   |
| •                                | Regular voltage: 120-277 \  | /<br>/                       |   |                         |                                     |                   |
| nput voltage                     | High voltage: 277-480 V     |                              |   |                         |                                     |                   |
|                                  | ASD-WHB5A-100D50            | 0.91 A                       | ASD-WHB5A-A160DAC   | 1.6 A                   | ASD-WHB5A-PRO-100                   | 1.3 A             |
|                                  | ASD-WHB5A-160D50            | 1.46 A                       | ASD-WHB5A-A320DAC   | 2.93 A                  | ASD-WHB5A-PR0-160                   | 2 A               |
|                                  |                             |                              |   |                         |                                     | 2.6 A             |
|                                  | ASD-WHB5A-220D50            | 2.02 A                       | ASD-WHB5A-A500DAC   | 5.1 A                   | ASD-WHB5A-PRO-220                   |                   |
|                                  | ASD-WHB5A-320D50            | 2.93 A                       | ASD-WHB5A-160D50-20EM   | 1.6 A                   | ASD-WHB5A-PRO-320                   | 3 A               |
| Max input current                | ASD-WHB5A-400D50            | 3.67 A                       | ASD-WHB5A-220D50-20EM   | 2.3 A                   | ASD-WHB5A-PRO-500                   | 4 A               |
| '                                | ASD-WHB5A-500D50            | 5.1 A                        | ASD-WHB5A-A160DAC-20EM  | 1.6 A                   | ASD-WHB5A-HV-PRO-220                | 1.1 A             |
|                                  |                             |                              | ASD-WHB5A-A220DAC-20EM  | 2.02 A                  | ASD-WHB5A-HV-PR0-320                | 1.8 A             |
|                                  |                             |                              |   |                         | ASD-WHB5A-HV-PR0-500                | 1.2 A             |
|                                  |                             |                              |   |                         | ASD-WHB5A-PR0-160-EM                | 2 A               |
|                                  |                             |                              | 1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )                                 |                         | ASD-WHB5A-PRO-220-EM                | 2.6 A             |
| nrush current (Action time)      | for WHB5A: 60 A (0.35 S)    |                              | for HV models: 45 A (0.2 S)                                       |                         | for PRO and EM models: 80 A (0.     | 35 S)             |
| Off state power                  | 0W                          |                              |   |                         |                                     |                   |
|                                  | ASD-WHB5A-100D50            | 110W                         | ASD-WHB5A-A160DAC   | 100/130/160W            | ASD-WHB5A-PR0-100                   | 60/80/100W        |
|                                  | ASD-WHB5A-160D50            | 160W                         | ASD-WHB5A-A320DAC   | 220/260/320W            | ASD-WHB5A-PR0-160                   | 100/130/160W      |
|                                  | ASD-WHB5A-220D50            | 220W                         | ASD-WHB5A-A500DAC   | 320/400/500W            | ASD-WHB5A-PR0-220                   | 130/160/220W      |
|                                  | ASD-WHB5A-320D50            | 320W                         | ASD-WHB5A-160D50-20EM   | 160W                    | ASD-WHB5A-PR0-320                   | 220/260/320W      |
| Power consumption                | ASD-WHB5A-400D50            | 400W                         | ASD-WHB5A-220D50-20EM   | 220W                    | ASD-WHB5A-PR0-500                   | 320/400/500W      |
| ower consumption                 | ASD-WHB5A-500D50            | 500W                         | ASD-WHB5A-A160DAC-20EM  | 100/130/160W            | ASD-WHB5A-HV-PR0-220                | 130/160/220W      |
|                                  |                             |                              | ASD-WHB5A-A220DAC-20EM  | 130/160/220W            | ASD-WHB5A-HV-PRO-320                | 220/260/320W      |
|                                  |                             |                              |   |                         | ASD-WHB5A-HV-PRO-500                | 320/400/500W      |
|                                  |                             |                              |   |                         | ASD-WHB5A-PR0-160-EM                | 100/130/160W      |
|                                  |                             |                              |   |                         | ASD-WHB5A-PR0-220-EM                | 130/160/220W      |
| Power factor                     | > 0.9                       |                              |   |                         |                                     |                   |
| Output voltage                   | 260 V for ASD-W             | HB5A-100D50, ASD-WHE         | 5A-160D50 and ASD-WHB5A-160D50-:                                  | 20EM models: 130 V      | for PRO models: 180-260 V           |                   |
|                                  | ASD-WHB5A-100D50            | 0.9 A                        | ASD-WHB5A-A160DAC   | 0.64 A                  | ASD-WHB5A-PR0-100                   | 0.39 A            |
|                                  | ASD-WHB5A-160D50            | 1.25 A                       | ASD-WHB5A-A320DAC   | 1.5 A                   | ASD-WHB5A-PR0-160                   | 0.63 A            |
|                                  | ASD-WHB5A-220D50            | 0.9 A                        | ASD-WHB5A-A500DAC   | 2 A                     | ASD-WHB5A-PR0-220                   | 0.86 A            |
|                                  | ASD-WHB5A-320D50            | 1.5 A                        | ASD-WHB5A-160D50-20EM   | 1.28 A                  | ASD-WHB5A-PR0-320                   | 1.25 A            |
|                                  | ASD-WHB5A-400D50            | 0.9 A                        | ASD-WHB5A-220D50-20EM   | 0.88 A                  | ASD-WHB5A-PR0-500                   | 0.196 A           |
| Max output current               | ASD-WHB5A-500D50            | 2 A                          | ASD-WHB5A-A160DAC-20EM  | 1.25 A                  | ASD-WHB5A-HV-PRO-220                | 0.86 A            |
|                                  |                             |                              | ASD-WHB5A-A220DAC-20EM  | 0.9 A                   | ASD-WHB5A-HV-PRO-320                | 1.25 A            |
|                                  |                             |                              | 100 MIIDON AZZODAC-ZOLIVI   | U./ A                   | ASD-WHB5A-HV-PRO-500                | 0.196 A           |
|                                  |                             |                              |   |                         | ASD-WHB5A-PR0-160-EM                | 0.176 A<br>0.63 A |
|                                  |                             |                              |   |                         | ASD-WHB5A-PR0-160-EM                | 0.86 A            |
| Surge protection DM/CM           | 6 kV / 6 kV                 | for ACD MAIDEA 100           | D50, ASD-WHB5A-160D50 and ASD-W                                   | HBEV-140DEU 30EM        |                                     | U.00 A            |
|                                  |                             | IOI AOD-MUDDA-IOI            | ארמו ואי-עכא, סיימי, אנמו אירער, אירמי, אראר "Ooo, ADD WING ASD-W | אנטור -ACUDOU-ZUEIVI MO | ucio. 4 NV / U NV                   |                   |
| Dimming compatible control Brand |                             |                              |   |                         | Louiton                             |                   |
|                                  | Lutron                      |                              | DV/DV   |                         | Leviton                             |                   |
| Models                           | DVSTV                       |                              | DVTV  |                         | DS710                               |                   |









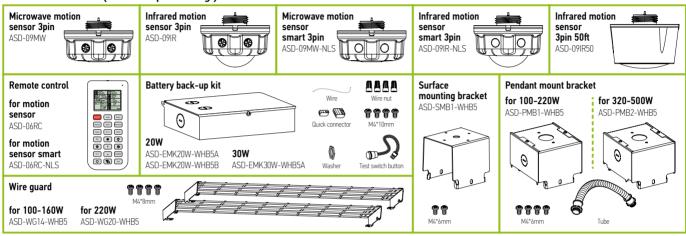
| Regular and voluntary certifications  |    |
|---|----|
| 5-year limited warranty   |    |
| DesignLights Consortium (DLC) listed (Classification: Premium) Main: Indoor luminaires; General application: High-bay; Primary use: High-bay luminaires for commercial and industrial buildin | gs |
| UL certified E473804  |    |

#### PACKAGE CONTENTS:

| Description                           | Q-ty |
|---------------------------------------|------|
| LED Linear High Bay with Q-Base       | 1    |
| Hanging kit: V hook, chain 3.2 ft (A) | 1    |
| Box                                   | 1    |



### ACCESSORIES (sold separately):



#### ACCESSORY COMPATIBILITY LIST:

| Models              | Accessories | Microwave<br>motion sensor 3pin<br>ASD-09MW | Infrared<br>motion sensor 3pin<br>ASD-09R<br>ASD-09R50 | Microwave motion<br>sensor smart 3pin<br>ASD-09MW-NLS-WH | Infrared motion<br>sensor smart 3pin<br>ASD-09RR-NLS-WH | Battery<br>back-up kit 20W<br>ASD-EMK20W-WHB5A | Battery<br>back-up kit 20W<br>ASD-EMK20W-WHB5B | Battery<br>back-up kit 30W<br>ASD-EMK30W-WHB5A | Surface<br>mount bracket<br>ASD-SMB1-WHB5 | Pendant<br>mounting bracket<br>ASD-PMB1-WHB5 | Pendant<br>mounting bracket<br>ASD-PMB2-WHB5 | Wire guard 14"<br>ASD-WG14-WHB5 | Wire guard 20"<br>ASD-WG20-WHB5 |
|---------------------|-------------|---|--|--|---|--|--|--|---|--|--|---------------------------------|---------------------------------|
|                     | 100W        | ΣE≷   | •<br>•   | Σᾶ⊰  | _ = % ₹   | ≽ق∞<br>•                                       | ≽ق∞  | ≽قە  | v E⊰                                      | o E €  | Œ E ≷  | <b>≥</b> ₹                      | <b>≥</b> ∢                      |
|                     | 160W        | •   | •  | •  | •   | •  |  |  | •   | •  |  | •                               |                                 |
|                     | 220W        | •   | •  | •  | •   |  | •  | •  | •   | •  |  |                                 | •                               |
| ASD-WHB5A           | 320W        | •   | •  | •  | •   |  | •  | •  | •   |  | •  |                                 |                                 |
|                     | 400W        | •   | •  | •  | •   |  | •  | •  | •   |  | •  |                                 |                                 |
|                     | 500W        | •   | •  | •  | •   |  | •  | •  | •   |  | •  |                                 |                                 |
|                     | 160W        | •   | •  | •  | •   |  | •  | •  | •   | •  |  | •                               |                                 |
| ASD-WHB5A-DAC       | 320W        | •   | •  | •  | •   |  | •  | •  | •   |  |  |                                 |                                 |
|                     | 500W        | •   | •  | •  | •   |  | •  | •  | •   |  | •  |                                 |                                 |
| 400 1441054 514     | 160W        | •   | •  | •  | •   |  |  |  | •   | •  |  | •                               |                                 |
| ASD-WHB5A-EM        | 220W        | •   | •  | •  | •   |  |  |  | •   | •  |  |                                 | •                               |
| ACD WILDEA DAG EM   | 160W        | •   | •  | •  | •   |  |  |  | •   | •  |  | •                               |                                 |
| ASD-WHB5A-DAC-EM    | 220W        | •   | •  | •  | •   |  |  |  | •   | •  |  |                                 | •                               |
|                     | 100W        | •   | •  | •  | •   |  | •  | •  | •   | •  |  | •                               |                                 |
|                     | 160W        | •   | •  | •  | •   |  | •  | •  | •   | •  |  |                                 | •                               |
| ASD-WHB5A-PRO       | 220W        | •   | •  | •  | •   |  | •  | •  | •   | •  |  |                                 | •                               |
|                     | 320W        | •   | •  | •  | •   |  | •  | •  | •   |  | •  |                                 |                                 |
|                     | 500W        | •   | •  | •  | •   |  | •  | •  | •   |  | •  |                                 |                                 |
|                     | 220W        | •   | •  | •  | •   |  |  |  | •   | •  |  |                                 | •                               |
| ASD-WHB5A-HV-PRO    | 320W        | •   | •  | •  | •   |  |  |  | •   |  | •  |                                 |                                 |
|                     | 500W        | •   | •  | •  | •   |  |  |  | •   |  | •  |                                 |                                 |
| ASD-WHB5A-PR0-EM    | 160W        | •   | •  | •  | •   |  |  |  | •   | •  |  |                                 | •                               |
| AJU-WIIDJA-FRU-LIVI | 220W        | •   | •  | •  | •   |  |  |  | •   | •  |  |                                 | •                               |







### MOTION SENSOR INFORMATION

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



| Button |        | Remarks  | Button   |                     | Remarks   | Button   |  | Remarks  |
|--------|--------|--|----------|---------------------|---|----------|--|--|
| ON/OFF | ON/OFF | Turn the sensor ON/OFF.                                  | МН       | Mounting<br>height  | Adjust detection area/sensitivity levels according to real installation situations, higher or lower.                                  | •        | Up The main functional buttons to adjust the factors to desired level. |  |
| Auto   | Auto   | Enter "sensor mode" and<br>perform previous settings.    | Send     | Send                | Memorize and send out the previous setting of individual parameters.  | ÷        | Down Press + - button to dim light directly in non-detection mode.     |  |
| Reset  | Reset  | Enter "sensor mode" and<br>perform the default settings. | <i>₩</i> | Detection range     | Also known as "sensitivity", 100 % means the highest sensitivity and longest distance. Use this button and the + - buttons to adjust. | ССТ      | CCT<br>Selectable  | Not applicable to this product.  |
| Scenes | Scenes | Shows current settings saved in remote.                  | •        | Daylight<br>sensor  | The preset lux level at which motion will be detected. Use this button and the + - buttons to adjust.                                 | POWER    | Power  | Adjust brightness in both ON/OFF mode & sensor mode, minimum 10%, max 100%, each time this button is pressed it changes by 5%. |
| Start  | Start  | Press this to begin scene setup.                         | ·\$      | Stand-by<br>dimming | After hold time, the light will dim from 100 % to optional standby dimming levels. Use this button and the + - buttons to adjust.     | 0        | Reserved<br>Button   | Not applicable to this product.  |
| Memory | Memory | Saves the scene settings.                                | (1)      | Hold time           | The period that light will stay illuminated 100 % after no motion is detected. Use this button and the + - buttons to adjust.         | <b>%</b> | Daylight<br>Harvesting   | Daylight harvesting function enabled or disabled.  |
| Арру   | Apply  | Applies current scene settings to the fixture.           | (1)      | Stand-by<br>period  | The period after holdtime, during which the light keeps standby dimming level. Use this button and the + - buttons to adjust.         | Test     | Test button  | Press this button to test the sensor, it will<br>temporarily change the hold time to 2s.<br>This setting cannot be saved.      |



Microwave motion

sensor 3pin

ASD-06RC

ASD-09IR

Infrared motion

sensor 3pin

ASD-06RC

control



Infrared motion

sensor 3pin 50ft



Microwave motion

sensor smart 3pin



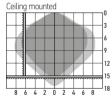
Remote control

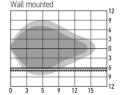


ASD-09IR-NLS Infrared motion sensor smart 3pin

ASD-06RC-NLS Remote control or smartphone

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





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

#### User notes:

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

#### Installation precautions:

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

#### Application environment:

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

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



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

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

#### User notes:

- The driver voltage shall be stable and float within 10%.
- 2. Detection area options may not function as expected because they depend on the Fresnel lens, which physically determines their operation.

  3. Detection distance performance works better when moving parallel to the sensor as opposed to
- towards it
- 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
- 6. The first time powering ON the sensor, light will be ON 100% for about 45S then dims to standby level

#### Installation precautions:

- I. 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
- 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.
- 4. Shall be mounted securely, to avoid any false triggers caused by movement of the fixture itself.

| Specifications        | Models: ASD-09MW, ASD-09MW-NLS                                    | Models: ASD-09IR, ASD-09IR-NLS Models: ASD-09IR50                   |   |  |  |  |  |  |
|-----------------------|---|---|---|--|--|--|--|--|
| Operating voltage     | 10-15 V   |   |   |  |  |  |  |  |
| Operating current     | < 30 mA   | 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 m            | nin/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               | n: 0 %/10 %/30 %/50 %   |   |  |  |  |  |  |
| Mounting height       | max 49.2 ft (15 m)  | ax 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 GHz  | -   | -   |  |  |  |  |  |
| Transmitting power    | < 0.3 mW  | 0.3 mW  |   |  |  |  |  |  |



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









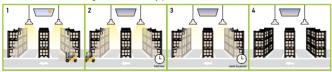
#### WITH DUSK/DAWN FUNCTION:

- 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.
- 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.
- Ž. When the ambient brightness exceeds the preset lux level, the light will turn OFF

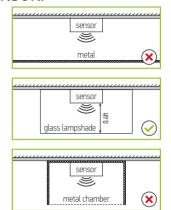


#### MICROWAVE MOTION SENSOR:

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.



metal reflecto

sensor

sensor

metal

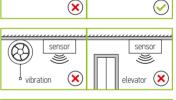
The sensor should not be placed in a small confined space. To avoid increasing the sensor detection range or abnormal operation, the sensor should be kept away from large areas of metal and glass reflectors (separation distance at least 3.3 ft). Reduce the detection area setting.

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;

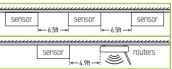
There must be at least 4.9ft between the sensor and other wireless devices such as routers to avoid possible radio interference.



sensor

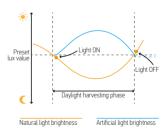
metal

metal



## DAYLIGHT HARVESTING SETTING:

- 1. Adjust "daylight" value higher than 50lux.
- 2. Preset "standby period" 0S
- 3. Press the MW/PIR button three times until the MW/PIR icons both blink on the LCD screen to enable the daylight harvesting function.









### **BUILT-IN BATTERY BACK-UP** INFORMATION

| Model                  | Battery<br>watts | Lumens in emergency mode | Battery<br>capacity | Emergency<br>mode | Charging<br>time |
|------------------------|------------------|--------------------------|---------------------|-------------------|------------------|
| ASD-WHB5A-160D50-20EM  | 20W              | 3,189 lm                 | 3,200 mA * 8        | ≥ 90 minutes      | ≥ 24 hours       |
| ASD-WHB5A-220D50-20EM  | 20W              | 3,207 lm                 | 3,200 mA * 8        | ≥ 90 minutes      | ≥ 24 hours       |
| ASD-WHB5A-A160DAC-20EM | 20W              | 3,189 lm                 | 3,200 mA * 8        | ≥ 90 minutes      | ≥ 24 hours       |
| ASD-WHB5A-A220DAC-20EM | 20W              | 3,207 lm                 | 3,200 mA * 8        | ≥ 90 minutes      | ≥ 24 hours       |
| ASD-WHB5A-PR0-160-EM   | 20W              | 3,200 lm                 | 3,200 mA * 8        | ≥ 90 minutes      | ≥ 24 hours       |
| ASD-WHB5A-PR0-220-EM   | 20W              | 3,200 lm                 | 3,200 mA * 8        | ≥ 90 minutes      | ≥ 24 hours       |

| Specifications           |  |
|--------------------------|--|
| Input voltage            | 100-277 V 50/60 Hz                       |
| Indicator light          | Illuminated test switch, indicator light |
| Battery type             | Li-ion                                   |
| Battery charging current | 250 mA                                   |

#### STANDARD OPERATION DISPLAY STATUS:

| Charging       | 0             |
|----------------|---------------|
| Emergency mode | Flash slowly  |
| Test failure   | Flash quickly |



### **BACK-UP BATTERY KIT INFORMATION**

### ASD-EMK20W-WHB5A

#### ASD-EMK30W-WHB5A

#### ASD-EMK20W-WHB5B

#### sold separately:



Self-check emergency battery back-up kit offers a dependable solution for virtually every LED Linear High Bay lighting application, with options tailored for both new fixture constructions and field installation applications.

### **CAUTION:**

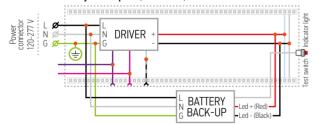
- Before performing a high-voltage insulation test, ensure the battery pack is removed and that there is no contact between the battery pack and the LED drivers.
- After testing, disconnect the battery pack unit connector before shipping and storing.
- During storage, the battery pack will need 24 hours of charging every 3 months.

| Specifications         | ASD-EMK20W-WHB5A                              | ASD-EMK20W-WHB5B | ASD-EMK30W-WHB5A |  |  |
|------------------------|---|------------------|------------------|--|--|
| Input voltage          | 120-277 V 50/60 Hz                            |                  |                  |  |  |
| Input current          | 100 mA max.                                   |                  |                  |  |  |
| Input power            | 7.0W max.                                     |                  |                  |  |  |
| Output voltage         | 81 - 155 Vdc                                  | 156 - 230 Vdc    | 156 - 230 Vdc    |  |  |
| Output power           | 20W   | 20W              | 30W              |  |  |
| Lumens                 | 3,189 lm                                      | 3,189 lm         | 4,783 lm         |  |  |
| Emergency<br>time      | ≥ 1.5 hours                                   |                  |                  |  |  |
| Indicator light        | Illuminated test switch, red, indicator light |                  |                  |  |  |
| Battery type           | Li-ion  |                  |                  |  |  |
| Charging time          | ≥ 24 hours                                    |                  |                  |  |  |
| Ambient<br>temperature | -22°F to 122°F (-30°C to 50°C)                |                  |                  |  |  |
| Dimensions             | 9-5/8" x 4-5/8" x 1-7/8"                      |                  |                  |  |  |
| Warranty               | 5 years                                       |                  |                  |  |  |

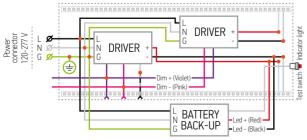
#### Emergency operation:

During AC operation, the red indicator light will remain on. During emergency operation, the indicator light will flash slowly (on for 2 seconds, off for 2 seconds). In the event of a failure, the indicator light will flash rapidly (on for 0.2 seconds, off for 0.2 seconds).

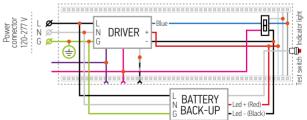
#### WHB5A with battery back-up kit (100-320W)



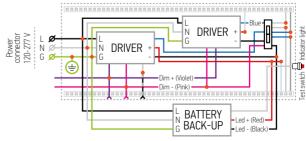
#### WHB5A with battery back-up kit (400-500W)



#### WHB5A-PRO with battery back-up kit (100-320W)



#### WHB5A-PRO with battery back-up kit (500W)





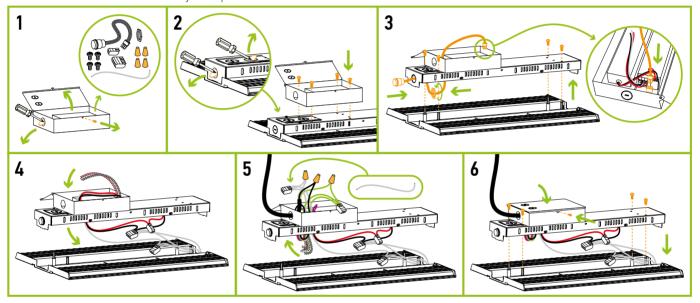






#### **INSTALLATION STEPS:**

- 1. Unscrew and open Battery back-up kit.
- 2. Remove one knockout on the top and one on the side of the driver box. Attach the battery backup kit to the driver box of the fixture with 4 screws.
- 3. Unscrew 4 screws and open driver box of the fixture. Install battery back-up button into the side knockout of the fixture and secure it with washer (included). Then pull the button wire into the battery back-up kit and plug it into the battery controller.
- 4. Connect battery back-up kit to the fixture by:
  - a. Pulling the Red wire (DRIVER +) from battery back-up into the fixture and connecting it to the Red wire (Driver output +):
- b. Pull the Black wire (LED- / DRIVER -) from battery back-up into the fixture and connect it with the Black wire (Driver output -), Led1 (input -) and Led2 (-) using one connector (included);
- c. Pull the White wire (LED +) from battery back-up into the fixture and connect it with the Led1 (+) and Led2 (+) using one connector (included);
- 5. Pull the White (N), Black (L), Green (G), Pink (Dim-) and Violet (Dim+) wires from the fixture into the battery back-up kit and connect them with the wires of battery backup and external power source: Black with Black, White with White, Green with Green, according to the wiring schematic. Use white extension wire (included) if needed. Use pink (Dim-) and violet (Dim+) dimming wires if needed to connect to the dimmer.
- 6. Attach fixture driver box cover with battery back-up kit to the fixture and secure it with screws.











### INSTALLATION GUIDE

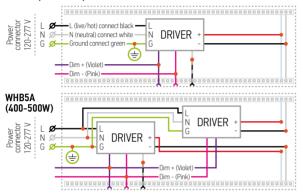
#### IMPORTANT SAFETY INFORMATION:

Please read all the instructions below before installation.

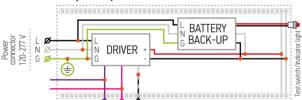
- Make sure that the supply voltage corresponds to the rated product voltage.
- The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- If the product is damaged, do not use it.

### **ELECTRICAL SCHEMATIC DIAGRAM:**

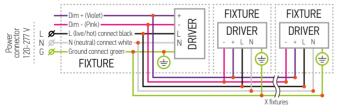
#### WHB5A (100-320W)



#### WHB5A with battery back-up



#### WHB5A multiple fixture connection



#### WARNING

RISK OF PERSONAL INJURY - READ and follow all WARNINGS and

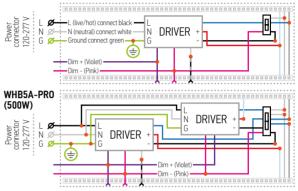
installation instructions. Keep or give to the owner for future reference.

Installation instructions. Keep or give to the owner for ruture 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.

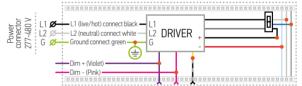
ASN® assumes no responsibility for claims arising out of improper or careless.

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

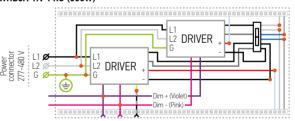
#### WHB5A-PRO (100-320W)



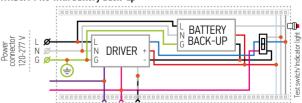
#### WHB5A-HV-PR0 (220-320W)



#### WHB5A-HV-PRO (500W)



#### WHB5A-PR0 with battery back-up





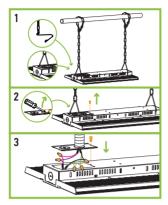




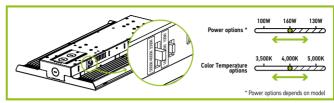


#### INSTALLATION STEPS:

- 1. Insert V-hooks into both ends of the fixture. Secure chain to ceiling, beam or other mounting surface.
- 2. Unscrew and open backplate, use screwdriver to open one knockout.
- 3. Connect the wires: Black to Black, White to White, Green to Green. If you are not using the dimming wires cap them off but not together. Reattach knockout plate to top of the fixture and secure with screw.



#### POWER AND COLOR TEMPERATURE SETTINGS:



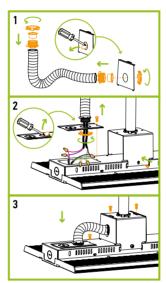
#### PENDANT MOUNT

ASD-PMB1-WHB5

ASD-PMB2-WHB5

#### sold separately:

- 1. Assemble metal hose with connectors and attach bracket's side plate to one side. Install the bracket on 3/4" NPT pipe. Bracket does not include nuts or screws for mounting to surface.
- 2. Unscrew and take off fixture's backplate, open one knockout using screwdriver. Then attach backplate to free end of the metal hose. Attach the bracket by putting the bracket's hooks into the slots in the center of the housing. Secure the bracket with screws. Connect the wires: Black to Black, White to White, Green to Green.
- 3. Reattach the backplate in its place and secure with screw. Align the studs of the side plate with the slots in the housing, place the side plates, and secure them with screws.

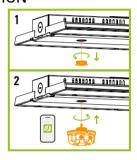


### MOTION SENSOR INSTALLATION

ASD-09MW ASD-09MW-NLS
ASD-09IR ASD-09IR-NLS

ASD-09IR50 sold separately:

- Unscrew the microwave sensor base cap.
   Insert and twist the sensor until it is tight on the base surface.
- 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 below).







ASD NLS app download Android



#### Smartphone manual





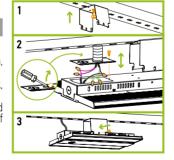


### **SURFACE MOUNT**

#### ASD-SMB1-WHB5

#### sold separately:

- 1. Secure the brackets to ceiling, beam, joist or rail. (bolts not included).
- 2. Connect the wires: Black to Black, White to White, Green to Green.
- **3.** Attach the fixture to the bracket and secure with one screw per each side of the bracket.



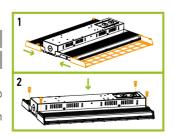
#### WIRE GUARD

ASD-WG14-WHB5

ASD-WG20-WHB5

#### sold separately:

- 1. Slide the wire guard from the side to the bottom.
- **2.** Secure the wire guard with screws on both sides.











### **ORDERING INFORMATION**

| Model                                 | UPC          | Pcs. per carton | Carton size          | Carton weight |  |  |  |
|---------------------------------------|--------------|-----------------|----------------------|---------------|--|--|--|
| WHB5A 150lm/W                         |              |                 |                      |               |  |  |  |
| ASD-WHB5A-100D50                      | 810050738705 | 1               | 14.8" x 10.6" x 2.4" | 5 lbs         |  |  |  |
| ASD-WHB5A-160D50                      | 810050738712 | 1               | 14.8" x 10.6" x 2.4" | 5 lbs         |  |  |  |
| ASD-WHB5A-220D50                      | 810050738729 | 1               | 20.3" x 12.6" x 3"   | 7.6 lbs       |  |  |  |
| ASD-WHB5A-320D50                      | 810050738736 | 1               | 40" x 12.6" x 3"     | 14.9 lbs      |  |  |  |
| ASD-WHB5A-400D50                      | 810050738743 | 1               | 40" x 12.6" x 3"     | 14.9 lbs      |  |  |  |
| ASD-WHB5A-500D50                      | 810050739863 | 1               | 40" x 12.6" x 3"     | 15.2 lbs      |  |  |  |
| ASD-WHB5A-A160DAC                     | 810050739870 | 1               | 14.8" x 10.6" x 2.4" | 5.1 lbs       |  |  |  |
| ASD-WHB5A-A320DAC                     | 810128111072 | 1               | 40" x 12.6" x 3"     | 15.2 lbs      |  |  |  |
| ASD-WHB5A-A500DAC                     | 810128111089 | 1               | 40" x 12.6" x 3"     | 16.3 lbs      |  |  |  |
| WHB5A-EM WITH BATTERY BACK-UP 150lm/W |              |                 |                      |               |  |  |  |
| ASD-WHB5A-160D50-20EM                 | 819201020799 | 1               | 14.8" x 10.6" x 3.4" | 6.3 lbs       |  |  |  |
| ASD-WHB5A-220D50-20EM                 | 810050739894 | 1               | 20.3" x 12.6" x 3"   | 8.8 lbs       |  |  |  |
| ASD-WHB5A-A160DAC-20EM                | 810128111805 | 1               | 14.8" x 10.6" x 3.4" | 6.4 lbs       |  |  |  |
| ASD-WHB5A-A220DAC-20EM                | 810128111812 | 1               | 20.3" x 12.6" x 3"   | 9 lbs         |  |  |  |

| Model                                     | UPC          | Pcs. per carton                 | Carton size          | Carton weight |  |  |  |
|---|--------------|---------------------------------|----------------------|---------------|--|--|--|
| WHB5A-PRO 170lm/W                         |              |                                 |                      |               |  |  |  |
| ASD-WHB5A-PR0-100                         | 810128111065 | 1                               | 14.8" x 10.6" x 2.4" | 5.3 lbs       |  |  |  |
| ASD-WHB5A-PR0-160                         | 810128113656 | 1                               | 20.3" x 12.6" x 3"   | 7.7 lbs       |  |  |  |
| ASD-WHB5A-PRO-220                         | 810128110648 | 1                               | 20.3" x 12.6" x 3"   | 7.9 lbs       |  |  |  |
| ASD-WHB5A-PRO-320                         | 810128113663 | 1                               | 40" x 12.6" x 3"     | 14.8 lbs      |  |  |  |
| ASD-WHB5A-PRO-500                         | 810128113670 | 1                               | 40" x 12.6" x 3"     | 15.2 lbs      |  |  |  |
|   | WHE          | 35A-HV-PRO HIGH VOLTAGE 170lm/W |                      |               |  |  |  |
| ASD-WHB5A-HV-PRO-220                      | 810128113625 | 1                               | 20.3" x 12.6" x 3"   | 7.9 lbs       |  |  |  |
| ASD-WHB5A-HV-PRO-320                      | 810128113632 | 1                               | 40" x 12.6" x 3"     | 14.8 lbs      |  |  |  |
| ASD-WHB5A-HV-PRO-500                      | 810128113649 | 1                               | 40" x 12.6" x 3"     | 15.2 lbs      |  |  |  |
| WHB5A-PRO-EM WITH BATTERY BACK-UP 170lm/W |              |                                 |                      |               |  |  |  |
| ASD-WHB5A-PR0-160-EM                      | 810128113205 | 1                               | 20.3" x 12.6" x 3"   | 9 lbs         |  |  |  |
| ASD-WHB5A-PRO-220-EM                      | 810128113212 | 1                               | 20.3" x 12.6" x 3"   | 9.3 lbs       |  |  |  |

### **ACCESSORIES:**

| Model            | Description                               | UPC          | Pcs. in middle box | Middle box size     | Middle box<br>weight | GTIN 14<br>in middle box | Pcs. per carton | Carton size           | Carton<br>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 motion sensor smart    | 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 |
| ASD-EMK20W-WHB5A | Battery back-up kit 20W                   | 810050737333 | -                  | -                   | -                    | -                        | 10              | 10.5" x 10.2" x 11.5" | 26.5 lbs         | 10810050737330 |
| ASD-EMK20W-WHB5B | Battery back-up kit 20W                   | 810128113977 | -                  | -                   | -                    | -                        | 10              | 10.5" x 10.2" x 11.5" | 26.5 lbs         | 10810128113974 |
| ASD-EMK30W-WHB5A | Battery back-up kit 30W                   | 810050735933 | -                  | -                   | -                    | -                        | 10              | 10.5" x 10.2" x 11.5" | 26.5 lbs         | 10810050735930 |
| ASD-SMB1-WHB5    | Surface mount bracket                     | 810050739764 | -                  | -                   | -                    | -                        | 50              | 22.8" x 7.9" x 20.9"  | 24.3 lbs         | 20810050739768 |
| ASD-PMB1-WHB5    | Pendant mounting bracket for 100/160/220W | 810050739757 | -                  | -                   | -                    | -                        | 50              | 22.8" x 7.9" x 20.9"  | 34.2 lbs         | 20810050739751 |
| ASD-PMB2-WHB5    | Pendant mounting bracket for 320/400/500W | 810050739771 | -                  | -                   | -                    | -                        | 50              | 22.8" x 7.9" x 20.9"  | 34.2 lbs         | 20810050739775 |
| ASD-WG14-WHB5    | Wire guard 14"                            | 810050739733 | -                  | -                   | -                    | -                        | 50              | 15.8" x 14.6" x 14.6" | 27.6 lbs         | 20810050739737 |
| ASD-WG20-WHB5    | Wire guard 20"                            | 810050739740 | -                  | -                   | -                    | -                        | 50              | 21.1" x 20.9" x 11.4" | 39.7 lbs         | 20810050739744 |







## **ANNEX 1**

| Model                                       | Watts | 3,500 K   | 4,000 K   | 5,000 K   |
|---|-------|-----------|-----------|-----------|
| ASD-WHB5A-100D50                            | 100W  | -         | -         | 15,230 lm |
| ASD-WHB5A-160D50                            | 160W  | -         | -         | 24,087 lm |
| ASD-WHB5A-160D50-20EM                       | 160W  | -         | -         | 21,657 lm |
| ASD-WHB5A-220D50<br>ASD-WHB5A-220D50-20EM   | 220W  | -         | -         | 29,434 lm |
| ASD-WHB5A-320D50                            | 320W  | -         | -         | 43,638 lm |
| ASD-WHB5A-400D50                            | 400W  | -         | -         | 53,082 lm |
| ASD-WHB5A-500D50                            | 500W  | -         | -         | 73,306 lm |
| AOD 14/1/2014                               | 100W  | 15,027 lm | 15,647 lm | 15,414 lm |
| ASD-WHB5A-A160DAC<br>ASD-WHB5A-A160DAC-20EM | 130W  | 18,411 lm | 19,441 lm | 18,869 lm |
| ASD-WIIBSA-ATOOBAC-ZOEM                     | 160W  | 21,763 lm | 23,257 lm | 22,284 lm |
|   | 130W  | 19,287 lm | 19,861 lm | 20,066 lm |
| ASD-WHB5A-A220DAC-20EM                      | 160W  | 22,815 lm | 23,574 lm | 22,951 lm |
|   | 220W  | 29,845 lm | 31,097 lm | 30,734 lm |
|   | 220W  | 32,683 lm | 33,553 lm | 33,400 lm |
| ASD-WHB5A-A320DAC                           | 260W  | 38,575 lm | 39,786 lm | 39,082 lm |
|   | 320W  | 44,761 lm | 47,277 lm | 46,135 lm |
|   | 320W  | 47,792 lm | 49,639 lm | 48,783 lm |
| ASD-WHB5A-A500DAC                           | 400W  | 57,592 lm | 59,486 lm | 57,946 lm |
|   | 500W  | 67,079 lm | 69,834 lm | 67,311 lm |

| Model                                     | Watts | 3,500 K   | 4,000 K   | 5,000 K   |
|---|-------|-----------|-----------|-----------|
| ASD-WHB5A-PRO-100                         | 60W   | 10,008 lm | 9,943 lm  | 10,045 lm |
|   | 80W   | 12,682 lm | 12,968 lm | 12,732 lm |
|   | 100W  | 15,919 lm | 16,401 lm | 16,552 lm |
| 100 1441051 000 140                       | 100W  | 16,792 lm | 16,880 lm | 16,931 lm |
| ASD-WHB5A-PRO-160<br>ASD-WHB5A-PRO-160-FM | 130W  | 20,902 lm | 21,152 lm | 21,046 lm |
| ASB-WIIDSA-I NO-100-EM                    | 160W  | 25,304 lm | 26,206 lm | 26,276 lm |
| ACD WILDEA DDO 000                        | 130W  | 20,883 lm | 21,307 lm | 21,641 lm |
| ASD-WHB5A-PRO-220<br>ASD-WHB5A-PRO-220-FM | 160W  | 25,622 lm | 26,486 lm | 26,827 lm |
| ASB-WIIDSA-I NO-220-LIVI                  | 220W  | 33,988 lm | 35,215 lm | 35,088 lm |
|   | 220W  | 34,867 lm | 34,801 lm | 34,806 lm |
| ASD-WHB5A-PRO-320                         | 260W  | 39,833 lm | 40,121 lm | 40,320 lm |
|   | 320W  | 49,440 lm | 50,958 lm | 51,291 lm |
|   | 320W  | 50,026 lm | 50,648 lm | 51,881 lm |
| ASD-WHB5A-PRO-500                         | 400W  | 60,147 lm | 61,382 lm | 62,475 lm |
|   | 500W  | 76,511 lm | 80,269 lm | 76,972 lm |
|   | 130W  | 21,526 lm | 22,095 lm | 22,397 lm |
| ASD-WHB5A-HV-PRO-220                      | 160W  | 25,982 lm | 26,713 lm | 26,714 lm |
|   | 220W  | 34,396 lm | 36,018 lm | 35,470 lm |
|   | 200W  | 36,189 lm | 36,081 lm | 35,868 lm |
| ASD-WHB5A-HV-PRO-320                      | 260W  | 41,070 lm | 40,995 lm | 40,382 lm |
|   | 320W  | 50,461 lm | 50,940 lm | 50,675 lm |
|   | 320W  | 49,527 lm | 49,768 lm | 50,669 lm |
| ASD-WHB5A-HV-PRO-500                      | 400W  | 61,684 lm | 63,126 lm | 63,296 lm |
|   | 500W  | 76,180 lm | 80,049 lm | 78,753 lm |



