

## WNA SERIES SELECTABLE SEMI-CUTOFF WALL PACK

Client:  
 Project:  
 Type:  
 Quantity:

### CONSTRUCTION

Cast aluminum frame holds lens and seals to housing gasket with two stainless steel screws. Door assembly hinges to side, cast aluminum housing with three 1/2" conduit entries (on top and sides), for surface conduit.

### OPTICS

Borosilicate glass refractor softens LED image and provides uniform distribution and glare control. CCT and output selectable between 3000K ~ 5000K (80 CRI) configuration settings.

### ELECTRICAL

80+ CRI Lumileds LED.

-40°C up to 45°C (-40°F up to 113°F) maximum operating temperature.

150,000hr LED at L70 @ 25°C, 120,000hr LED at L70 @ 40°C.

Driver operates at 120-277V input, 50/60Hz, <20% THD, 0.9 power factor.

WNA-8 model output selectable between 25W / 40W / 60W / 80W. Default setting: 5000K, 80W

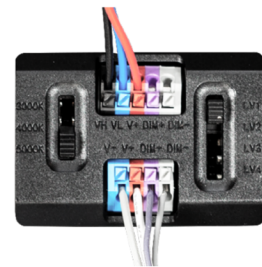
WNA-10 model output selectable between 60W / 80W / 100W / 120W. Default setting: 5000K, 120W.

0-10V dimming driver, button photocontrol standard included.

Optional 10kV surge protector. Optional 347V / 480V Driver.

Optional Self-Diagnostic emergency back up.

Optional Self-Diagnostic Sub-Zero emergency back up.



### SENSORS (OPTIONAL)

CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

CONTROL-BLE-SK104-PH ALS Control Bluetooth Fixture Controller.

### MOUNTING

Wall mount over electrical box or via surface conduit.

### STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

### CUSTOM FINISH

Black, Graphite Metallic, Gray, Silver, and White, or custom RAL#

### CERTIFICATION

Wet Location listed.

Meets Buy America Act requirements.

Option for "BABAA" compliance upon request.

IDA compliant: with 3000K color temperature selection.

Title 24 compliant; see local ordinance for qualification information.

All luminaires are built to UL1598 standards and bear appropriate cETLus labels.

For Emergency application, equipped with UL924 certified battery packs.

DLC® Premium (DesignLights Consortium Qualified) listed.

### WARRANTY

5 year warranty, see Limited Warranty for additional information.

### SHIPPING DATA

| Product | Measurement       | Weight |
|---------|-------------------|--------|
| WNA-80  | 15"L x 10"W x 9"H | 9 lb   |
| WNA-120 | 15"L x 10"W x 9"H | 12 lb  |



## WNA SERIES SELECTABLE SEMI-CUTOFF WALL PACK

| ORDER INFORMATION      |                       |                                                                                                        |                      |         | EXAMPLE: WNA 80 MC DB UNVD P |        |  |
|------------------------|-----------------------|--------------------------------------------------------------------------------------------------------|----------------------|---------|------------------------------|--------|--|
| Fixture                | Series                | Power & LM                                                                                             | CCT                  | Finish  | Input                        | Sensor |  |
|                        | WNA                   |                                                                                                        | MC                   |         |                              | P      |  |
| Accessories<br>Options |                       |                                                                                                        |                      |         |                              |        |  |
| A                      | SERIES                |                                                                                                        |                      |         |                              |        |  |
|                        | WNA                   | Selectable Semi-Cutoff Wall Pack                                                                       |                      |         |                              |        |  |
| B                      | POWER & LM            |                                                                                                        |                      |         |                              |        |  |
|                        | Code                  | Power                                                                                                  | LM                   |         |                              |        |  |
|                        | 80                    | 25W / 40W / 60W / 80W                                                                                  | 3125lm - 11120lm     |         |                              |        |  |
|                        | 120                   | 60W / 80W / 100W / 120W                                                                                | 5000lm - 16200lm     |         |                              |        |  |
| C                      | CCT                   |                                                                                                        |                      |         |                              |        |  |
|                        | MC                    | CCT Selectable: 3000K ~ 5000K                                                                          |                      |         |                              |        |  |
| D                      | FINISH                |                                                                                                        |                      |         |                              |        |  |
|                        | Standard              |                                                                                                        |                      |         |                              |        |  |
|                        | DB                    | Dark Bronze                                                                                            |                      |         |                              |        |  |
|                        | Custom Color          |                                                                                                        |                      |         |                              |        |  |
|                        | CC                    | BK Black                                                                                               | GM Graphite Metallic | GR Gray |                              |        |  |
|                        |                       | SV Silver                                                                                              | WH White             | RAL#    |                              |        |  |
| E                      | INPUT                 |                                                                                                        |                      |         |                              |        |  |
|                        | UNVD-P                | 110-277V, 0-10V Dimming, with Photocell                                                                |                      |         |                              |        |  |
|                        | HVLD-P                | 347-480V, 1-10V Dimmable, with Photocell                                                               |                      |         |                              |        |  |
| G                      | ACCESSORIES/OPTIONS   |                                                                                                        |                      |         |                              |        |  |
|                        | AIA                   | Assembled in America, compliant with BAA (COTS)                                                        |                      |         |                              |        |  |
|                        | BABAA                 | Build America, Buy America Act (BABAA) Compliant                                                       |                      |         |                              |        |  |
|                        | EMB-8W-B**            | 90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output                          |                      |         |                              |        |  |
|                        | EMB-18W-B**           | 90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output                         |                      |         |                              |        |  |
|                        | EMB-18W-C-B**         | 90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output -20°C-50°C (-4°F-122°F) |                      |         |                              |        |  |
|                        | SURGE-LSP4-U / H      | 10kV inline Surge Protection for Universal input / <b>U</b> : 120-277V, <b>H</b> : 480V input          |                      |         |                              |        |  |
|                        | CONTROL-LVFA*         | AVI-ON Bluetooth Mesh Control System                                                                   |                      |         |                              |        |  |
|                        | CONTROL-BLE-SK104-PH* | Integral Bluetooth Fixture Controller w/Button Photocell (ALS Control Mobile App)                      |                      |         |                              |        |  |

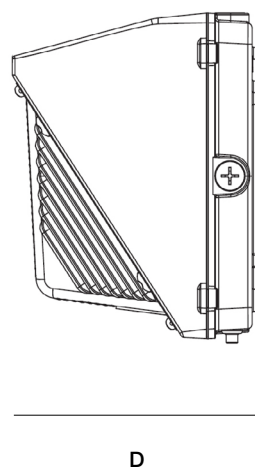
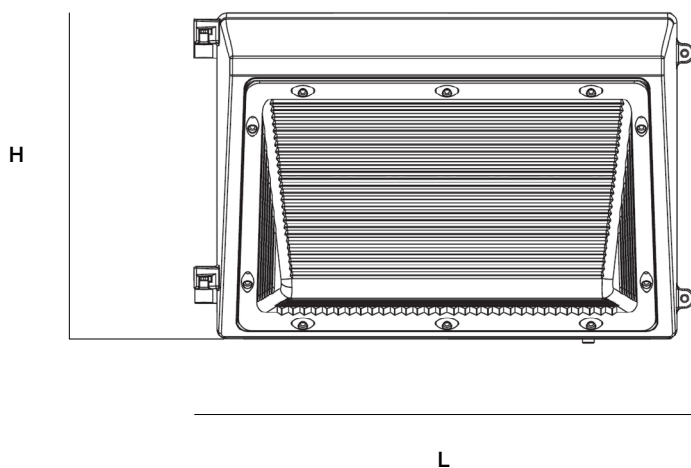
\*see page 5 for sensor spec

\*\*see page 5 for emb spec

## WNA SERIES SELECTABLE SEMI-CUTOFF WALL PACK

### DIMENSIONS

| Model   | H             | L              | D             |
|---------|---------------|----------------|---------------|
| WNA-80  | 9.25" (235mm) | 14.25" (362mm) | 7.40" (187mm) |
| WNA-120 | 9.25" (235mm) | 14.25" (362mm) | 7.40" (187mm) |



## WNA SERIES SELECTABLE SEMI-CUTOFF WALL PACK

### PERFORMANCE DATA / DLC CODE

| SYSTEM WATTS              | CCT                 | VOLTAGE  | LUMEN | LPW | QTY ON PALLET | PART NUMBER        | DLC PRODUCT ID / ORDER CODE                          | DLC CLASS          |
|---------------------------|---------------------|----------|-------|-----|---------------|--------------------|------------------------------------------------------|--------------------|
| WNA-80<br>25W Selection   | 3000K<br>~<br>5000K | 120-277V | 3125  | 125 | 96            | WNA-80MC-DBUNVD-P  | ALS: WNA-80-MC-DB-UNVD-P<br>Product ID: PLFBGHMX5ZIV | DLC 5.1<br>Premium |
| WNA-80<br>40W Selection   | 3000K<br>~<br>5000K | 120-277V | 5000  | 125 | 96            | WNA-80MC-DBUNVD-P  | ALS: WNA-80-MC-DB-UNVD-P<br>Product ID: PLFBGHMX5ZIV | DLC 5.1<br>Premium |
| WNA-80<br>60W Selection   | 3000K<br>~<br>5000K | 120-277V | 7500  | 125 | 96            | WNA-80MC-DBUNVD-P  | ALS: WNA-80-MC-DB-UNVD-P<br>Product ID: PLFBGHMX5ZIV | DLC 5.1<br>Premium |
| WNA-80<br>80W Selection   | 3000K<br>~<br>5000K | 120-277V | 11120 | 139 | 96            | WNA-80MC-DBUNVD-P  | ALS: WNA-80-MC-DB-UNVD-P<br>Product ID: PLFBGHMX5ZIV | DLC 5.1<br>Premium |
| WNA-120<br>60W Selection  | 3000K<br>~<br>5000K | 120-277V | 8100  | 135 | 96            | WNA-120MC-DBUNVD-P | ALS: WNA-120-MC-DB-UNVD-P<br>Product ID: S-SC3U17    | DLC 5.1<br>Premium |
| WNA-120<br>80W Selection  | 3000K<br>~<br>5000K | 120-277V | 11120 | 139 | 96            | WNA-120MC-DBUNVD-P | ALS: WNA-120-MC-DB-UNVD-P<br>Product ID: S-SC3U17    | DLC 5.1<br>Premium |
| WNA-120<br>100W Selection | 3000K<br>~<br>5000K | 120-277V | 12900 | 129 | 96            | WNA-120MC-DBUNVD-P | ALS: WNA-120-MC-DB-UNVD-P<br>Product ID: S-SC3U17    | DLC 5.1<br>Premium |
| WNA-120<br>120W Selection | 3000K<br>~<br>5000K | 120-277V | 16200 | 135 | 96            | WNA-120MC-DBUNVD-P | ALS: WNA-120-MC-DB-UNVD-P<br>Product ID: S-SC3U17    | DLC 5.1<br>Premium |

## WNA SERIES SELECTABLE SEMI-CUTOFF WALL PACK

### SENSOR SPEC

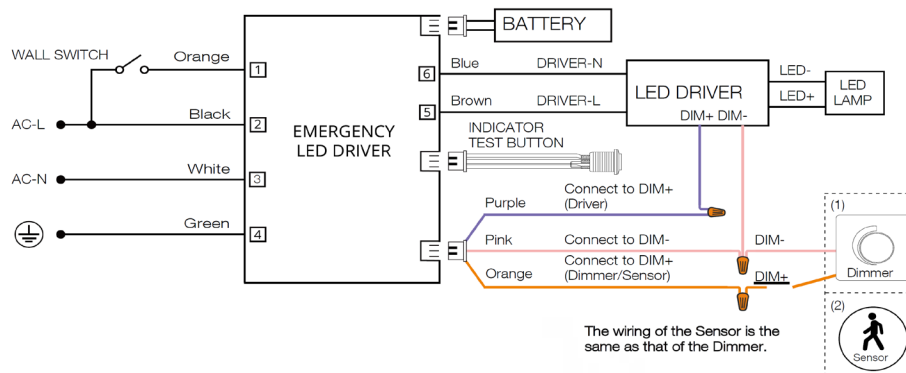
| Model                                           | Type                  | Mounting | Coverage | Input  | Function                                                     | Programmable                               |
|-------------------------------------------------|-----------------------|----------|----------|--------|--------------------------------------------------------------|--------------------------------------------|
| CONTROL-LVFA<br>(see page 6 for detail)         | Fixture<br>Controller | -        | -        | 12V DC | Bluetooth Mesh<br>On/Off/Dimming<br>Scheduling               | AVI-ON<br>Bluetooth<br>Mobile App          |
| CONTROL-BLE-SK104-PH<br>(see page 7 for detail) | Fixture<br>Controller | -        | -        | 12V DC | Bluetooth Mesh<br>On/Off/Dimming<br>Scheduling<br>CCT Tuning | ALS Control<br>Bluetooth<br>Mobile Control |



CONTROL-AVI-LVFA    CONTROL-BLE-SK104-PH

### EMB SPEC

| Model       | Battery Capacity | Input      | Output | Output Power | Operating Temp               | Installation                |
|-------------|------------------|------------|--------|--------------|------------------------------|-----------------------------|
| EMB-8W-B    | 90mins           | 100-347VAC | 170VDC | 8W           | 0°C ~ 50°C<br>32°F ~ 122°F   | Factory or<br>Field Install |
| EMB-18W-B   | 90mins           | 100-347VAC | 170VDC | 18W          | 0°C ~ 50°C<br>32°F ~ 122°F   | Factory or<br>Field Install |
| EMB-18W-C-B | 90mins           | 100-347VAC | 170VDC | 18W          | -20°C ~ 50°C<br>-4°F ~ 122°F | Factory or<br>Field Install |



## WNA SERIES SELECTABLE SEMI-CUTOFF WALL PACK

### CONTROL-LVFA SPEC

#### Status LEDs & Config Button

Quick and easy validation of wiring and network

#### Direct Connect™ Sensor Port

Simple and cost-effective addition to Avi-on sensors

#### Terminal Blocks & Mounting Tabs

Faster, easier and lower cost installation eliminating connectors



#### Internal Antenna

Improved performance and eliminates risk of accidentally cutting a hanging wire

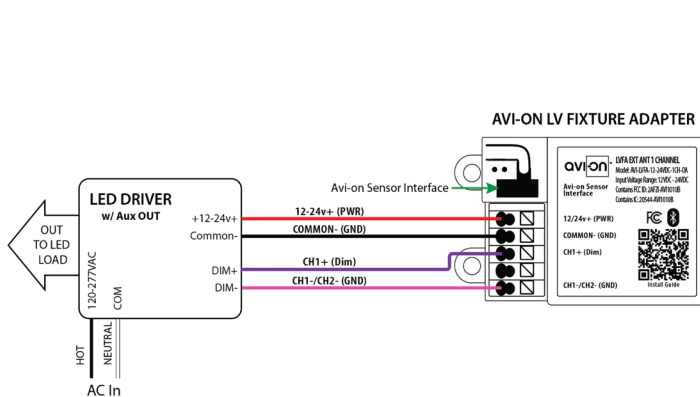
### SPECIFICATIONS

**INPUT VOLTAGE:** 12-24VDC  
**CURRENT:** 15mA without a Sensor  
 19mA with a DC PIR Sensor  
 48mA with a DC Microwave Sensor  
**0-10V DIMMING:** 12-24VDC  
**SIZE:** 2.30in x 1.43in x 0.75in  
 (58.2mm x 36.4mm x 19mm)  
**MOUNTING:** Removable mounting tabs  
**WEIGHT:** 0.45 oz (16g)  
**OPERATING TEMP:** -22°F to +158°F (-30°C to + 70°C)

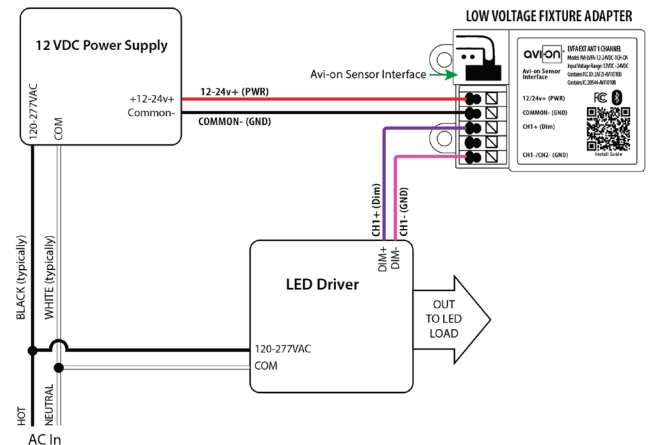
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 10 years optional  
**REGULATORY:** FCC: 2AFZI-AV1010 B  
 IC: 20544-AV1010 B  
 BQB: D031801, DID: 86303  
 UL 916, 2043 (Plenum Rated)

\*When communicating through the mesh, range is essentially unlimited (5000ft+)

### WIRING DIAGRAM



Fixture adapter powered by LED driver auxiliary output



Fixture adapter connected to LED driver and using power supply

### FEATURE

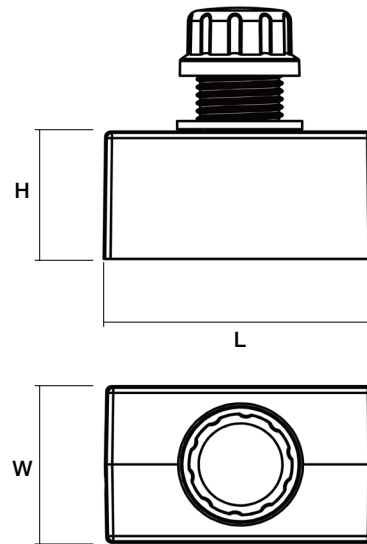
- **Installation:** Factory / Jobsite install through 1/2" knockout hole, 12V AUX power required
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** High-End Trim, Zoning, Continuous Bi-level Dimming
- **CCT Tuning:** CCT Tuning feature for Dual/Multi-CCT LED board fixture only
- **Sensor:** Photocell
- **Zone Control:** Zoning and Grouping control, Scheduling



### SPECIFICATIONS

|                             |                                |
|-----------------------------|--------------------------------|
| <b>SENSOR TYPE:</b>         | Photocell                      |
| <b>WIRELESS STANDARDS:</b>  | 5.0 Bluetooth Mesh             |
| <b>INPUT VOLTAGE:</b>       | 12-14VDC, >50mA                |
| <b>CONTROL OUTPUT:</b>      | 0-10V                          |
| <b>OPERATING TEMP:</b>      | -40°F ~ +158°F (-40°C ~ +70°C) |
| <b>COMMISSIONING RANGE:</b> | 50FT                           |
| <b>BLUETOOTH RANGE:</b>     | 100FT                          |
| <b>DETECTION ANGLE:</b>     | 360°                           |
| <b>WARRANTY:</b>            | 5 years                        |
| <b>IP RATING:</b>           | IP65                           |

### DIMENSIONS



| L               | H               | W               |
|-----------------|-----------------|-----------------|
| 1.14"<br>(29mm) | 0.94"<br>(24mm) | 1.97"<br>(50mm) |

### WIRING DIAGRAM

