

## CONSTRUCTION

Single round extruded aluminum shaft with thick side walls for excellent durability, features a sleek, modern design and carefully engineered to provide long-lasting, energy-efficient lighting. Die-cast aluminum mounting base allows for easy leveling even in sloped locations and a full 360-degree rotation for precise alignment during installation.

## OPTICS

Frosted Polycarbonate lens, efficacy higher than 115 lm/W.

## ELECTRICAL

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

Designed for an expected life > 50,000 hours.

CCT selectable light engine 3000K ~ 5000K.

>.9 power factor, 50/60Hz, <20% THD.

Driver operates at 120-277V input, 0-10V dimmable driver, down to 10%.

Optional 10kV surge protection.

## CONTROL (OPTIONAL)

CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.

## STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

## CUSTOM FINISH

Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL#.

## CERTIFICATION

Meets Buy America Act requirements.

Wet location label standard.

IDA compliant: with 3000K color temperature selection.

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

For Emergency application, equipment with UL924 certified battery packs.

DLC® Premium (DesignLights Consortium Qualified)

## WARRANTY

5 year warranty, see Limited Warranty for additional information.



## SHIPPING DATA

| Product | Measurement        | Weight |
|---------|--------------------|--------|
| BL-26   | 46"L x 11"W x 11"H | 17 lb  |



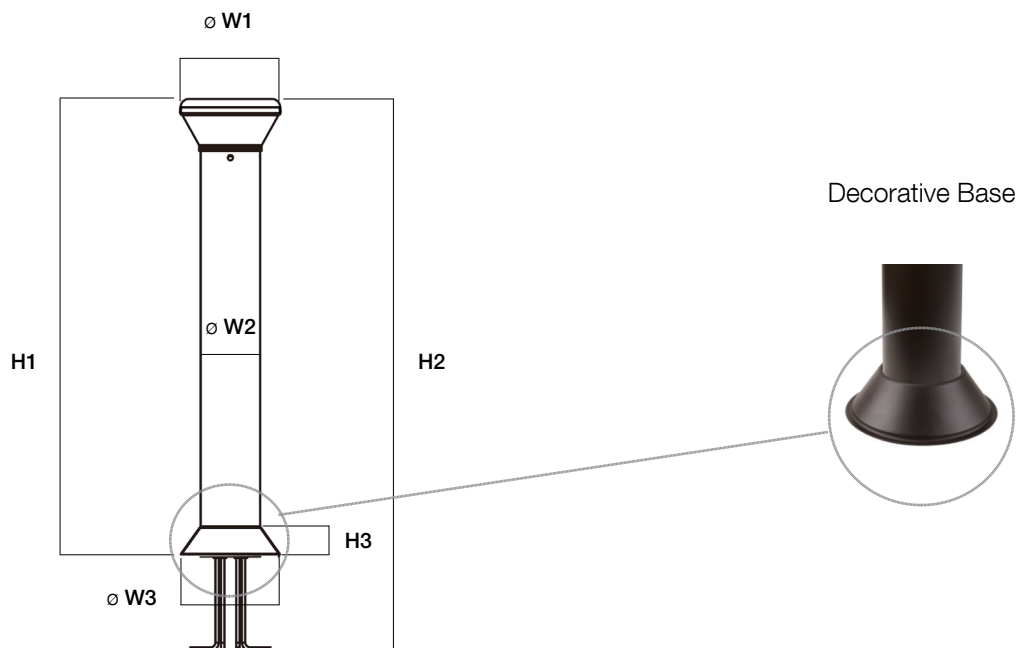
## BL SERIES BOLLARD

| ORDER INFORMATION      |                     |                                                                                                        |            |        | EXAMPLE : BL 26 SC DB UD |        |      |       |
|------------------------|---------------------|--------------------------------------------------------------------------------------------------------|------------|--------|--------------------------|--------|------|-------|
| Fixture                |                     | Series                                                                                                 | Power & LM |        | CCT                      | Finish |      | Input |
|                        |                     | BL                                                                                                     | 26         |        | SC                       |        |      |       |
| Accessories<br>Options |                     |                                                                                                        |            |        |                          |        |      |       |
| A                      | SERIES              |                                                                                                        |            |        |                          |        |      |       |
| BL                     |                     | Bollard                                                                                                |            |        |                          |        |      |       |
| B                      | POWER & LM          |                                                                                                        |            |        |                          |        |      |       |
| Code                   |                     | Power                                                                                                  |            | LM     |                          |        |      |       |
| 26                     |                     | 26W                                                                                                    |            | 3100lm |                          |        |      |       |
| C                      | CCT                 |                                                                                                        |            |        |                          |        |      |       |
| SC                     |                     | Field Selectable 3000K / 4000K / 5000K                                                                 |            |        |                          |        |      |       |
| D                      | FINISH              |                                                                                                        |            |        |                          |        |      |       |
| Standard               |                     |                                                                                                        |            |        |                          |        |      |       |
| DB                     |                     | Dark Bronze                                                                                            |            |        |                          |        |      |       |
| Custom Color           |                     |                                                                                                        |            |        |                          |        |      |       |
| CC                     |                     | BK                                                                                                     | Black      | GM     | Graphite Metallic        | GR     | Gray |       |
|                        |                     | SV                                                                                                     | Silver     | WH     | White                    | RAL#   |      |       |
| E                      | INPUT               |                                                                                                        |            |        |                          |        |      |       |
| UD                     |                     | 120-277V, 1-10V Dimmable                                                                               |            |        |                          |        |      |       |
| F                      | ACCESSORIES/OPTIONS |                                                                                                        |            |        |                          |        |      |       |
| AIA                    |                     | Assembled in America, compliant with BAA (COTS)                                                        |            |        |                          |        |      |       |
| BL-BASE                |                     | Decorative Base                                                                                        |            |        |                          |        |      |       |
| EMB-8W*                |                     | 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) |            |        |                          |        |      |       |
| MOUNT-BL-BOLT          |                     | Extra Anchor Bolts Set                                                                                 |            |        |                          |        |      |       |
| SURGE-LSP4-U           |                     | 10kV inline Surge Protection for Universal input                                                       |            |        |                          |        |      |       |
| CONTROL-LVFA*          |                     | AVI-ON Bluetooth Mesh Control System                                                                   |            |        |                          |        |      |       |

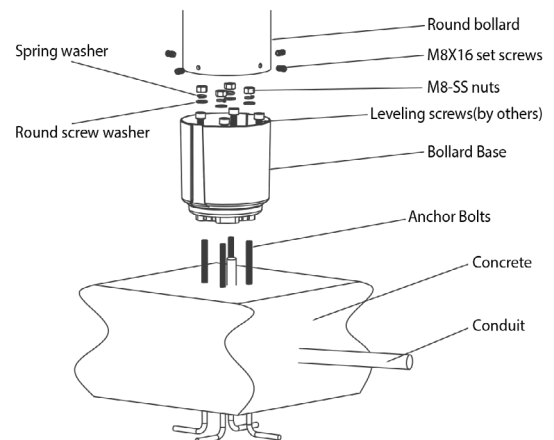
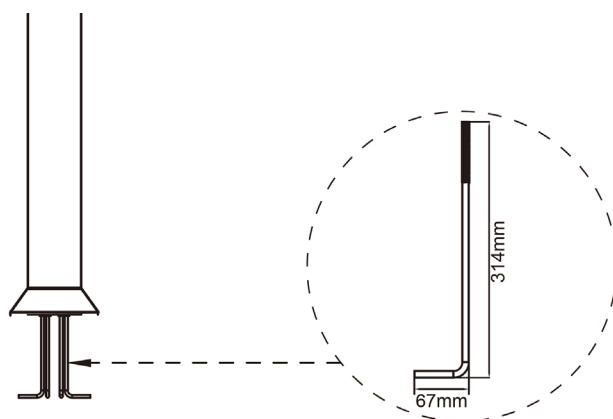
\*see page 5 for CONTROL and emb spec

## DIMENSIONS

| Model   | W1               | W2               | W3                | H1              | H2              | H3           |
|---------|------------------|------------------|-------------------|-----------------|-----------------|--------------|
| BL-26   | ø 9.28" (ø236mm) | ø 5.50" (ø140mm) |                   | 42.00" (1067mm) | 50.62" (1286mm) |              |
| BL-BASE |                  | ø 5.50" (ø140mm) | ø 11.02" (ø280mm) |                 |                 | 3.15" (80mm) |



## INSTALLATION INFORMATION



**PERFORMANCE DATA**

| SYSTEM WATTS | VOLTAGE  | 3000K / 4000K (80CRI) |     | 5000K (80CRI) |     |
|--------------|----------|-----------------------|-----|---------------|-----|
|              |          | LUMENS                | LPW | LUMENS        | LPW |
| 26W          | 120-277V | 3000                  | 115 | 3100          | 119 |

## SENSOR SPEC

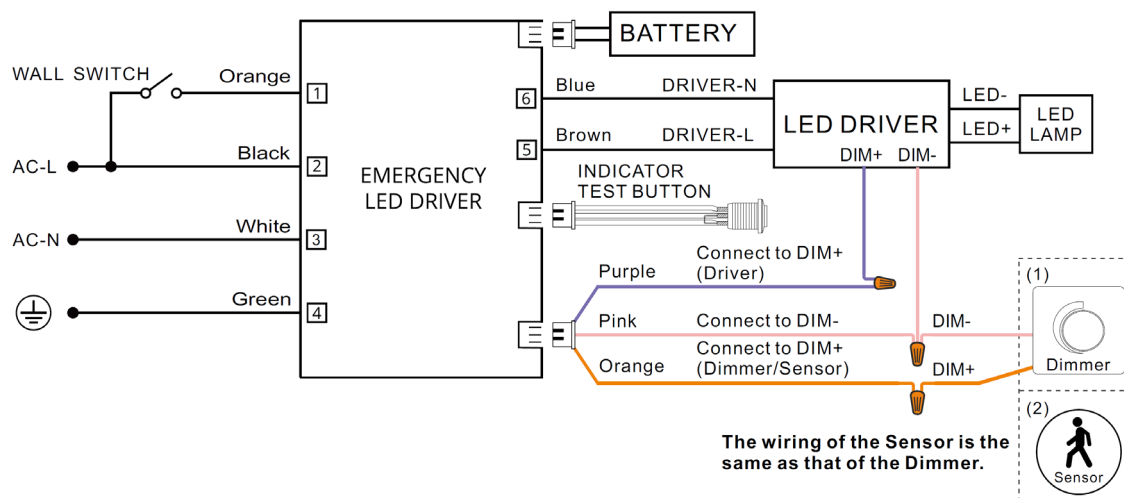
| Model                                   | Type                  | Mounting | Coverage | Input  | Function                                       | Programmable                      |
|-----------------------------------------|-----------------------|----------|----------|--------|------------------------------------------------|-----------------------------------|
| 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-LVFA

## EMB SPEC

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



## CONTROL-LVFA SPEC

### Status LEDs & Config Button

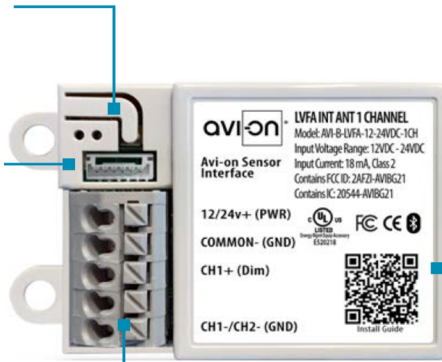
Quick and easy validation of wiring and network

### 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

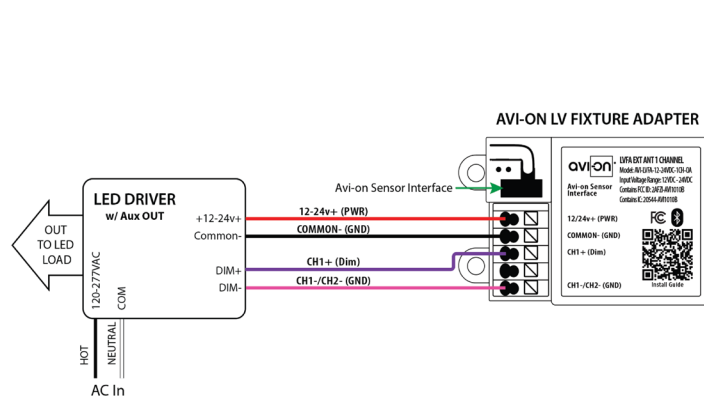
## SPECIFICATIONS

**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)

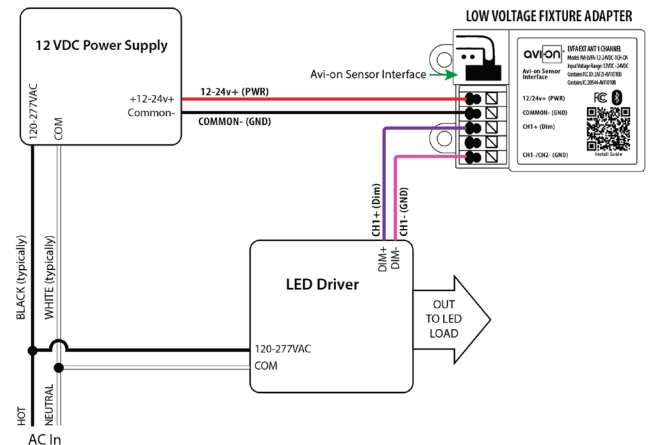
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 10 years optional  
**REGULATORY:** FCC: 2AFZI-AVI1010 B  
 IC: 20544-AVI1010 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