

## LSWS2

### Applications

The ultimate flexible wall pack fixture with lumen output and color temperature selection at the point of installation. The HARRIS LSWS2 is a traditional style, high performance family of wall packs that replaces existing traditional style wall packs with same size and look. The family includes 9 different lumen outputs to meet various exterior security requirements. Ideal solution for replacing any existing HID wall packs in building facades, loading areas, and parking areas, as well as delivering exceptional energy savings.

|                 |  |
|-----------------|--|
| Project Name:   |  |
| Catalog Number: |  |
| Type:           |  |
| Note:           |  |
| Date:           |  |



LSWS2C1UNVFD8CSBRSP



### Construction & Design

- Die-cast aluminum housing with powder coat finish for harsh outdoor environments. Bronze fixture housing color is standard.
- Heat and impact resistant borosilicate glass lens
- Accessible dip switches from the outside allow the user to select CCT and lumen output in the field providing flexibility to adapt to different environment dynamics
- Three different options deliver between 3,000 and 19,000 lumen outputs
- Field adjustable CCT between 3000K, 4000K, and 5000K
- Back plated design with template to mount directly over a standard recessed junction box or for surface mounting
- 80 CRI minimum
- Efficacy up to 162 LPW

### Additional Options

- Wireguard field installed kit available
- Light shield field installed kit available
- Factory or field installed battery back up available in 8w, Certified in CA Title 20

### Electrical

- Available in 120v-277v
- Standard 0-10v dimming drivers
- 10kV/5kA Surge Protection Standard
- Power Factor >.90\*
- Total Harmonic Distortion < 20%\*

\*Note: Varies based on option

### Control and Sensor Options

- Integrated photocell standard
- Field installed control and sensor options

### Lumen Maintenance

See lumen maintenance table on page 2

### Fixture Certifications & Listings

- UL/cUL Listed
- UL Wet Listed
- IP65 Rated
- DesignLights Consortium™ Premium qualified luminaire
- Visit the [DLC QPL](#) for listed models

### Warranty

See Orion's [Product Limited Warranty](#)

### Performance Information, 277v, $\geq 80$ CRI<sup>1</sup>

| Nominal Lumen Code | Wattage | 3000K         |     | 4000K         |     | 5000K         |     |
|--------------------|---------|---------------|-----|---------------|-----|---------------|-----|
|                    |         | Actual Lumens | LPW | Actual Lumens | LPW | Actual Lumens | LPW |
| A1                 | 21w     | 3,066lm       | 147 | 3,136lm       | 154 | 3,167lm       | 151 |
|                    | 28w     | 4,050lm       | 146 | 4,165lm       | 152 | 4,210lm       | 149 |
|                    | 43w     | 5,964lm       | 138 | 6,188lm       | 149 | 6,227lm       | 144 |
| B1                 | 49w     | 7,342lm       | 149 | 7,697lm       | 160 | 7,879lm       | 158 |
|                    | 67w     | 9,817lm       | 148 | 10,349lm      | 159 | 10,449lm      | 154 |
|                    | 80w     | 11,351lm      | 142 | 12,156lm      | 153 | 12,085lm      | 147 |
| C1                 | 87w     | 13,386lm      | 153 | 13,936lm      | 162 | 13,854lm      | 156 |
|                    | 109w    | 16,231lm      | 149 | 17,201lm      | 161 | 16,859lm      | 153 |
|                    | 122w    | 17,815lm      | 145 | 18,680lm      | 156 | 18,267lm      | 148 |

### Lumen Maintenance<sup>2</sup>

| Nominal Lumen Code | Nominal Lumen Code   | Operating Temperature | Calculated Lumen Maintenance |         |        |
|--------------------|----------------------|-----------------------|------------------------------|---------|--------|
|                    |                      |                       | L70                          | L80     | L90    |
| A1                 | 3,000/4,000/6,000    | 25C                   | 216,000                      | 136,000 | 66,000 |
|                    |                      | 50C                   | 209,000                      | 132,000 | 63,000 |
| B1                 | 8,000/10,000/12,000  | 25C                   | 210,000                      | 132,000 | 63,000 |
|                    |                      | 50C                   | 203,000                      | 128,000 | 61,000 |
| C1                 | 13,000/16,000/19,000 | 25C                   | 207,000                      | 130,000 | 62,000 |
|                    |                      | 50C                   | 200,000                      | 125,000 | 59,000 |

### Additional Specification Information

<sup>1</sup> Actual performance may vary by up to  $\pm 10\%$  of values listed; facility factors and fixture options can affect performance values.

<sup>2</sup> Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

Ordering Information Example (NOTE: No dashes or spaces unless noted below)

**LSWS2C1UNVFD8CSBRSP**

### Ordering Information

| Series   | Nominal Lumen Code <sup>3</sup>   | Voltage                  | Driver Type  | CRI; Color Temp   | Fixture Colors       | Fixture Options  | Packaging Options         |
|--|---|--------------------------|--|---|----------------------|--|---------------------------|
| <b>LSWS2=</b><br>HARRIS LED Lumen Selectable Wall pack, Semi-Cutoff, Gen 2 | <b>A1=</b><br>Lumen Selectable<br>3,000 lm/<br>4,000 lm/<br>6,000 lm<br><br><b>B1=</b><br>Lumen Selectable<br>8,000 lm/<br>10,000 lm/<br>12,000 lm<br><br><b>C1=</b><br>Lumen Selectable<br>13,000 lm/<br>16,000 lm/<br>19,000 lm | <b>UNV=</b><br>120v-277v | <b>FD=</b><br>Factory Wired for Dimming Applications | <b>8CS=</b><br>80CRI;<br>Color Selectable 3000K/<br>4000K/<br>5000K | <b>BR=</b><br>Bronze | <b>(blank)=</b><br>No Options<br><br><b>BB08=</b><br>Battery Back Up, 8w | <b>SP=</b><br>Single Pack |

Note: All fixtures are set to max lumen range output at 5000K at the factory [ex: LSWS2A1 = 6,000 lumens at 5000K]

### Accessories (Field Installed)

| Remote Required for Commissioning  |  |
|--|--|
| <b>RM51</b>  | Keilton Basic Sensor IR Remote Controller [for <b>LSWS2-KBWP40</b> sensors]  |
| Sensors and Controls   |  |
| <b>LSWS2-KBWP40</b>  | SENSOR KIT: Keilton <b>Basic PIR</b> - EFS07-AUX-W.B1-HB40 [black] + Aux Socket Extension Adapter [WSC03-AUX Black] + Aux Socket [WSC01-AUX Black] [must order <b>RM51</b> controller]           |
| <b>LSWS2-KAWP40</b>  | SENSOR KIT: Keilton+Autani <b>Bluetooth Mesh PIR</b> - EFS106-AUX-W-HB40 [Black] + Aux Socket Extension Adapter [WSC03-AUX Black] + Aux Socket [WSC01-AUX Black]                                 |
| <b>LSWS2-KAWCN</b>   | SENSOR KIT: Keilton+Autani <b>Bluetooth Mesh Control Node</b> - WPPA102-AUX-W [Black] + Aux Socket Extension Adapter [WSC03-AUX Black] + Aux Socket [WSC01-AUX Black]                            |
| Keilton + Autani Ecosystem Accessories   |  |
| Accessories can be commissioned and controlled via Keilton + Autani app as they are a part of the same ecosystem as the Bluetooth Keilton + Autani sensors. For more information, please visit this <a href="#">link</a> . |  |
| <b>CR02-W-ENCL</b>   | Keilton + Autani Protected Long-Range Real-Time Clock Enclosure, 120-277VAC, IP65, ABS Housing, 20kA Surge Protection, PPA102S.C1, SPD, CR02-W.AO, TX5, with Combination Lock and Pole Mount Kit |
| Battery Back Up Option   |  |
| <b>EXT-LSWS2-BB08-KIT</b>  | Battery Back Up Kit, 120v-277v, Field Install, 8w  |
| Wireguard Options  |  |
| <b>EXT-LSWS2-WG</b>  | Wireguard A1/B1/C1 Lumen Package   |
| Light Shield Options   |  |
| <b>EXT-LSWS2-LS-BR</b>   | Light Shield A1/B1/C1 Lumen Package  |

### Additional Specification Information

<sup>3</sup> For actual lumens, see performance table

### Factory Installed Options



**Battery Back Up  
(BB08)**

### Accessories (Field Installed)



**Remote  
(RM51)**



**Sensors and Controls**



**Light Shield  
(EXT-LSWS2-LS-BR)**

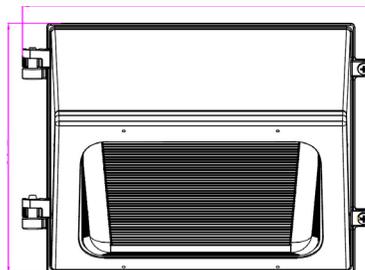


**Wireguard  
(EXT-LSWS2-WG)**

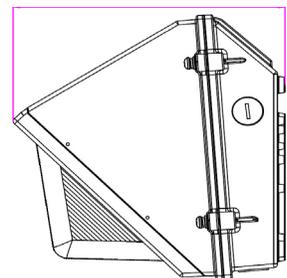
### Physical Information<sup>4</sup>

| Nominal Lumen Code | Height | Width | Depth | Weight   |
|--------------------|--------|-------|-------|----------|
| A1/B1/C1           | 8.6"   | 14.2" | 6.5"  | 7.5 lbs. |

#### Height and Width



#### Depth



### Additional Specification Information

<sup>4</sup> Weight will vary based on option selection

### Ambient Operating Temperatures

| Nominal Lumen Code | Standard Range                 | With Battery Back Up        |
|--------------------|--------------------------------|-----------------------------|
| All Lumen Packages | -40°C to 50°C [-40°F to 122°F] | 0°C to 50°C [32°F to 122°F] |

| Sensor Type              | Operating Range                |
|--------------------------|--------------------------------|
| All Controls and Sensors | -30°C to 50°C [-22°F to 122°F] |

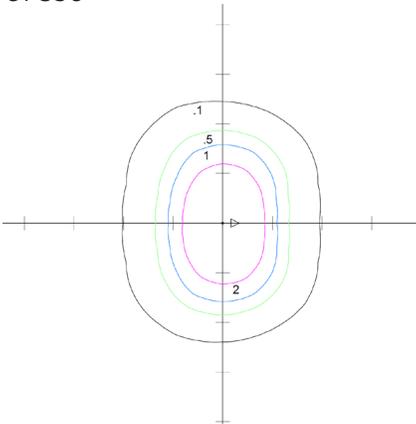
### Battery Back Up - Lumen Output Emergency Mode

| Nominal Lumen Code | Standard Range |
|--------------------|----------------|
| All Lumen Packages | 1,150lm        |

### Photometrics

Visit [orionlighting.com](http://orionlighting.com) to obtain all .IES files

C1 850



Distance are in Units of Mounting Height  
 Mounting Height 30'  
 Max. Calculated Value: 6.91 FC