

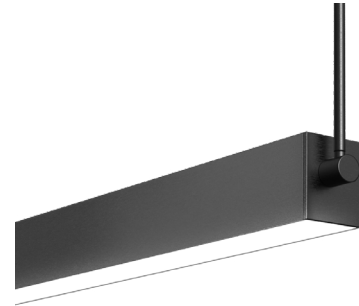
# Flow 91L

2" WET LOCATION PENDANT, WALL, OR SURFACE  
DIRECT, INDIRECT, OR INDIRECT/DIRECT

## FEATURES

- Wet location application
- Sections can be joined for continuous runs
- Pendant, Surface, and Wall mounting available
- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 1500 lumens/ft max. See performance data table on page 3 for additional information.

# FLOW



## SPECIFICATIONS

### CONSTRUCTION

- 2.4" x 4.8" profile with 2" aperture (nominal)
- Extruded aluminum housing with machined aluminum end headers
- Machined aluminum end caps mechanically attached with no exposed fasteners
- Closed-cell silicon gasketing

### OPTICS

- 3 SDCM CCT consistency, 80 CRI
- Soft diffuse extruded acrylic downlight diffuser
- Lightly frosted extruded acrylic indirect diffuser
- Glass lens not available

### ELECTRICAL

- Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification
- LED boards and solid state constant current driver are field-servicable
- LED rated life L85 > 50,000 hours. Tested in accordance to LM79-2008 & rated life derived from EPA TM-21 calculator
- 1C (1 Circuit) Fixture wired for a single circuit
- 2C (2 Circuit) Uplight and downlight switched/dimmed separately. Two power feeds required

### ELECTRICAL (CONTINUED)

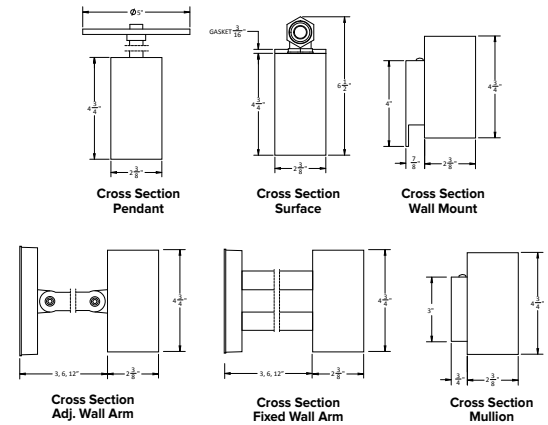
- 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Available in fixtures greater than 3' in length
- Inverter-Compatible. Provided by others
- Operating Temperature: -20 to 25°C

### INSTALLATION

- Pendant mount option requires suspension at every row joint.
- Surface mount available as direct distribution only
- Adjustable wall mount features die cast components allowing 90° vertical aiming adjustment on wall side, 45° additional adjustment on fixture side.

### CERTIFICATIONS

- ETL listed for wet locations
- IBEW
- AF of L
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See [Buy America\(n\) Solutions](#).
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.



|           | Weight   |
|-----------|----------|
| 91L-PWS-2 | 4 lbs/ft |

### WARRANTY

- LED boards - 5 years
- LED drivers (standard) - 5 years

| KEY DATA    |                            |
|-------------|----------------------------|
| Lumen Range | I: 400-1500<br>D: 350-1150 |
| SDCM        | 3                          |
| Rated Life  | L85 > 50,000 Hours         |
| Efficacy    | 84-105                     |

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## ORDERING GUIDE

**Example:** 91L-W-ID-2-STD-12-06-SOF-C5-35K-I060-D100-D01-2C-UNV-A3

CATALOG # \_\_\_\_\_

| 91L | Series | Mounting   | Distribution  | Aperture    | Uplight Distribution | Row Length (In Feet)            | Max Length in Row  | Diffuser                                 |
|-----|--------|--|---|-------------|----------------------|---------------------------------|--|--|
| 91L | Flow   | <b>P</b> Pendant<br><b>S</b> Surface <sup>1</sup><br><b>W</b> Wall | <b>D</b> Direct<br><b>I</b> Indirect<br><b>ID</b> Indirect/Direct | <b>2</b> 2" | <b>STD</b> Standard  | _____' Enter in foot increments | <b>02</b> 2', 609mm<br><b>03</b> 3', 914mm<br><b>04</b> 4', 1219mm<br><b>05</b> 5', 1524mm<br><b>06</b> 6', 1828mm<br><b>08</b> 8', 2438mm | <b>SOF</b> Soft Diffuse Lens, Lambertian |

| Finish/Color                    | CCT/CRI                 | Indirect Output/Ft <sup>2</sup> | Direct Output/Ft <sup>3</sup> | Driver                       | Circuiting                              | Voltage             |
|---------------------------------|-------------------------|---------------------------------|-------------------------------|------------------------------|---|---------------------|
| <b>C1</b> Matte White (Default) | <b>30K</b> 3000K, 80CRI | <b>I040</b> 400 (Min) to        | <b>D035</b> 350 (Min) to      | <b>D01</b> 1% Dimming, 0-10V | <b>1C</b> 1 Circuit                     | <b>UNV</b> 120-277V |
| <b>C4</b> Machined Aluminum     | <b>35K</b> 3500K, 80CRI | <b>I150</b> 1500 (Max)          | <b>D115</b> 1150 (Max)        |                              | <b>2C</b> 2 Circuit - Uplight/Downlight |                     |
| <b>C5</b> Carbon Black          | <b>40K</b> 4000K, 80CRI |                                 |                               |                              |   |                     |
| <b>CC</b> Custom Color          |                         |                                 |                               |                              |   |                     |

| Optional  |  |  |  |   |
|---|--|--|--|---|
| Mounting Kit  | Nightlight   | Emergency  | Thru-Wiring  | Patterns  |
| <b>Pendant</b><br><b>H72</b> 72" Pendant <sup>8</sup><br><b>Wall</b><br><b>WM</b> Standard Wall Mount<br><b>MM</b> Mullion Mount<br><b>A3</b> 3" Adjustable Arm<br><b>A6</b> 6" Adjustable Arm<br><b>A12</b> 12" Adjustable Arm<br><b>F3</b> 3" Fixed Arm<br><b>F6</b> 6" Fixed Arm<br><b>F12</b> 12" Fixed Arm | <b>NL</b> Nightlight Circuit Required <sup>4</sup> | <b>EF</b> 10W Emergency Battery Backup (CEC Title 20 Compliant) <sup>5</sup> | <b>W1</b> No Thru-Wire<br><b>W2</b> Provide Normal and NL/EF Thru-Wiring <sup>6</sup><br><b>W3</b> Provide Normal Thru-Wiring Only | <b>C90L</b> Illuminated 90° Corner <sup>7</sup> |

Notes:

- <sup>1</sup> For surface mount, leave mounting kit blank.
- <sup>2</sup> Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
- <sup>3</sup> Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
- <sup>4</sup> Enter Quantity. 2NL= 2 Nightlight circuits per row.
- <sup>5</sup> Enter Quantity. 2EF= 2 Batteries per row. 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter Compatible. Provided by others.
- <sup>6</sup> Only applicable when specified with Emergency/Nightlight
- <sup>7</sup> Contact Factory for pattern configurations. Not available for pendant mount application. Additional lead time may be applicable Approval drawings required.
- <sup>8</sup> Only ships with 5" canopies.

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## PERFORMANCE DATA TABLE

The table below shows the delivered lumens for the various lumen outputs. Use this chart in connection with the output multiplier capability to deliver any output required

| Distribution/<br>Output | Lumens/Ft | W/Ft | Efficacy |
|-------------------------|-----------|------|----------|
| <b>Direct</b>           |           |      |          |
| D035                    | 350       | 4.1  | 86       |
| D040                    | 400       | 4.6  | 87       |
| D045                    | 450       | 5.1  | 88       |
| D050                    | 500       | 5.6  | 90       |
| D055                    | 550       | 6.1  | 91       |
| D060                    | 600       | 6.5  | 92       |
| D065                    | 650       | 7.2  | 91       |
| D070                    | 700       | 7.8  | 90       |
| D075                    | 750       | 8.3  | 90       |
| D080                    | 800       | 8.9  | 90       |
| D085                    | 850       | 9.6  | 89       |
| D090                    | 900       | 10.3 | 87       |
| D095                    | 950       | 11.0 | 87       |
| D100                    | 1000      | 11.6 | 86       |
| D105                    | 1050      | 12.4 | 85       |
| D110                    | 1100      | 13.2 | 84       |
| D115 (Max)              | 1150      | 14.0 | 82       |
| <b>Indirect</b>         |           |      |          |
| I040                    | 400       | 3.6  | 111      |
| I045                    | 450       | 3.9  | 114      |
| I050                    | 500       | 4.4  | 113      |
| I055                    | 550       | 4.8  | 116      |
| I060                    | 600       | 5.2  | 116      |
| I065                    | 650       | 5.6  | 116      |
| I070                    | 700       | 5.9  | 118      |
| I075                    | 750       | 6.4  | 118      |
| I080                    | 800       | 6.8  | 118      |
| I085                    | 850       | 7.3  | 117      |
| I090                    | 900       | 7.7  | 117      |
| I095                    | 950       | 8.1  | 117      |
| I100                    | 1000      | 8.6  | 116      |
| I105                    | 1050      | 9.1  | 115      |
| I110                    | 1100      | 9.6  | 115      |
| I115                    | 1150      | 10.0 | 115      |
| I120                    | 1200      | 10.6 | 113      |
| I125                    | 1250      | 11.2 | 112      |
| I130                    | 1300      | 11.6 | 112      |
| I135                    | 1350      | 12.1 | 112      |
| I140                    | 1400      | 12.7 | 111      |
| I145                    | 1450      | 13.1 | 111      |
| I150                    | 1500      | 13.7 | 110      |

*(Wattage may vary up to 5% from published)*

### Output Multiplier Table

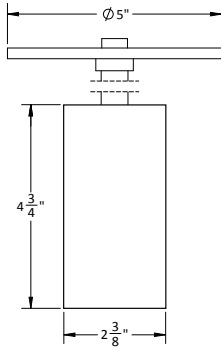
Photometrics and outputs published on this spec sheet are based on nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

| CCT   | 80 CRI |
|-------|--------|
| 3000K | 0.98   |
| 3500K | 1      |
| 4000K | 1.03   |

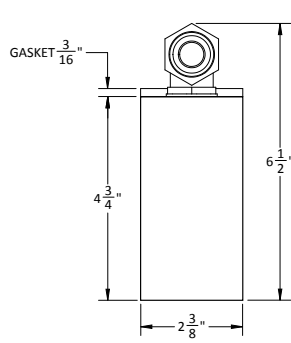
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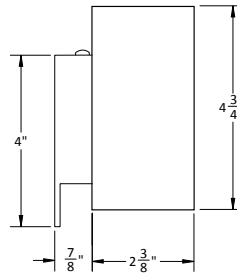
## DIMENSIONS



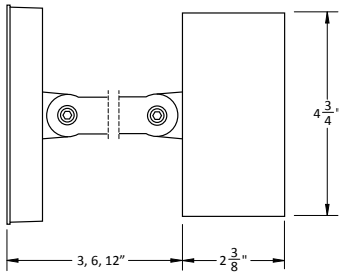
Cross Section  
Pendant



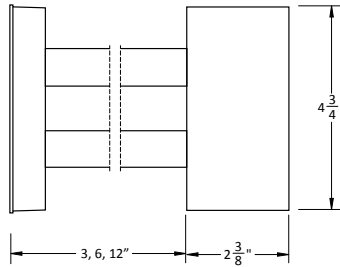
Cross Section  
Surface



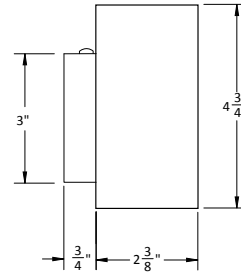
Cross Section  
Wall Mount



Cross Section  
Adjustable Wall Arm



Cross Section  
Fixed Wall Arm



Cross Section  
Mullion