

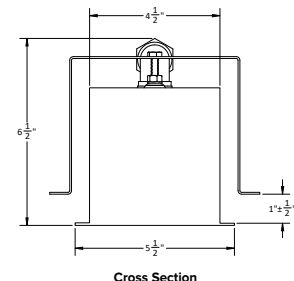
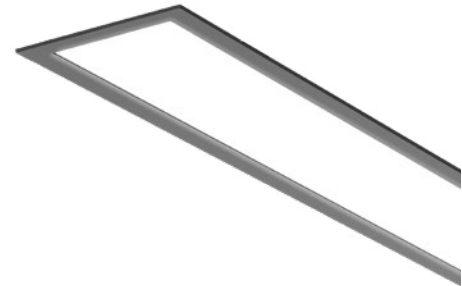
# Flow 91L

4" WET LOCATION RECESSED  
DIRECT

## FEATURES

- Wet location application
- Sections can be joined for continuous runs
- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 1350 lumens/ft max. See performance data table on page 3 for additional information.
- TriGain® Technology provides superior color quality without compromising efficacy.

# FLOW



## SPECIFICATIONS

### CONSTRUCTION

- 4.5" x 4.8" profile with 4" aperture (nominal).
- Integral 1/2" drywall flange
- 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, 90 CRI.
- Soft diffuse extruded acrylic downlight 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 L90 > 60,000 hours. Tested in accordance to LM79-2008 & rated life derived from EPA TM-21 calculator.
- 1C (1 Circuit) Fixture wired for a single circuit

### 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: -30 to 50°C

### INSTALLATION

- Integral side rails allow installation into drywall slot. Visible flange is located on all 4 sides of fixture.

### CERTIFICATIONS

- ETL listed for wet locations
- IC Rated
- 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-R-4	4 lbs/ft

### WARRANTY

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

KEY DATA	
Lumen Range	350-1350
SDCM	3
Rated Life	L90 > 60,000 Hours
Efficacy	113-124

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## ORDERING GUIDE

**Example:** 91L-DW-D-4-STD-16-08-SOF-C1-35K-D060-D01-1C-UNV

CATALOG #

91L						
Series	Mounting	Distribution	Aperture	Row Length (In Feet)	Max Length in Row	Diffuser
91L Flow	DW Drywall	D Direct	4 4"	____' Enter in foot increments	<b>02</b> 2', 609mm <b>03</b> 3', 914mm <b>04</b> 4', 1219mm <b>05</b> 5', 1524mm <b>06</b> 6', 1828mm <b>08</b> 8', 2438mm	<b>SOF</b> Soft Diffuse Lens, Lambertian

Finish/Color	CCT/CRI	Direct Output/Ft <sup>1</sup>	Driver	Circuiting	Voltage
<b>C1</b> Matte White (Default)	<b>27K</b> 2700K, 90CRI	<b>D035</b> 350 (Min)	<b>D01</b> 1% Dimming, 0-10V	<b>1C</b> 1 Circuit	<b>UNV</b> 120-277V
<b>C4</b> Machined Aluminum	<b>30K</b> 3000K, 90CRI	to			
<b>C5</b> Carbon Black	<b>35K</b> 3500K, 90CRI	<b>D135</b> 1350 (Max)			
<b>CC</b> Custom Color	<b>40K</b> 4000K, 90CRI				
	<b>50K</b> 5000K, 90CRI				

Optional		
Nightlight	Emergency	Thru-Wiring
<b>NL</b> Nightlight Circuit Required <sup>2</sup>	<b>EF</b> 10W Emergency Battery Backup (CEC Title 20 Compliant) <sup>3</sup>	<b>W1</b> No Thru-Wire <b>W2</b> Provide Normal and NL/EF Thru-Wiring <sup>4</sup> <b>W3</b> Provide Normal Thru-Wiring Only

Notes:

- <sup>1</sup> Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
- <sup>2</sup> Enter Quantity. 2NL= 2 Nightlight circuits per row.
- <sup>3</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>4</sup> Only applicable when specified with Emergency/Nightlight
- <sup>5</sup> Contact Factory for pattern configurations. Additional lead time may be applicable Approval drawings required.

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4" WET LOCATION RECESSED

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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/Output	Lumens/Ft	W/Ft	Efficacy
D035	350	3.3	106
D040	400	3.7	108
D045	450	4.1	110
D050	500	4.5	111
D055	550	4.9	112
D060	600	5.3	113
D065	650	5.8	112
D070	700	6.3	111
D075	750	6.7	112
D080	800	7.2	111
D085	850	7.7	110
D090	900	8.3	108
D095	950	8.8	108
D100	1000	9.3	108
D105	1050	9.9	106
D110	1100	10.5	105
D115	1150	11.1	104
I120	1200	11.7	103
I125	1250	12.3	102
I130	1300	13.0	100
I135	1350	13.6	99

*(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.

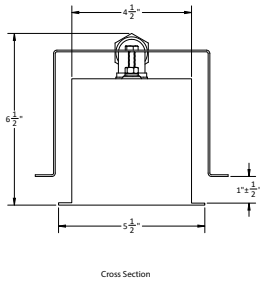
CCT	80 CRI
3000K	0.98
3500K	1
4000K	1.03

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4" WET LOCATION RECESSED  
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## DIMENSIONS

91L-R-4



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

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