



Variation Not Shown: Less Ground Joint

## SOLIS® Sensor Flushometer

SOLIS 8111-1.28-CP-XYV

### Product description

1.28 gpf, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, Electrical Override, Solar, Less Vacuum Breaker, SOLIS® Exposed Sensor Water Closet Flushometer.

### Compliances & Certifications



(ADA Compliant\*, BAA Compliant, BREEAM Water Credit, cUPC Green Certified, EPD, Green Globes Water, HPD, IAPMO, LEED Water, Satisfies LEED Credits, EPA WaterSense Listed)

### Code 3370035

#### Finish



#### Downloads

- [Solis 8100 Series Installation Instructions.pdf](#)
- [Solis 8100 Series \(Spanish\) Installation Instructions.pdf](#)
- [Control Stop Repair and Maintenance Guide.pdf](#)
- [Flush Connections Flanges Repair and Maintenance Guide.pdf](#)
- [Flushometer Pressure Gauges.pdf](#)
- [Special Finishes Brochure.pdf](#)
- [Additional Downloads](#)

#### Videos

- [PVD Special Finishes](#)

## Details

- Flush Volume: 1.28 gpf (4.8 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Solar
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Top Spud
- Rough-in Dimension: 11.5" (292mm)
- Spud Coupling: 1.5" (38mm)
- Supply Pipe: 1" (25mm)
- Override: Electrical
- Vacuum Breaker: Less (XYV)

## Features

State-of-the-art photovoltaic technology delivers solar operation

- User friendly three (3) second Flush Delay
- "Low Battery" Flashing LED
- Solar Powered- The sensor assembly is powered by a solar cell that will harvest power from the artificial indoor light (incandescent, fluorescent or LED), and use it as the energy source. The solar cell can provide approximately 100% power with 650 illuminance (lux).
- Operates by means of an infrared sensor with multiple-focused, lobular sensing fields for high and low target detection
- Four (4) Size AA Battery Back-up Power Source
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- High copper, low zinc brass castings for dezincification resistance
- Sweat solder adapter with cover tube and cast wall flange with set screw
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Valve shall be in compliance to the applicable sections of ASSE 1037
- Valve body, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass

## Recommended specifications

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

## Valve Operating Pressure (Flowing)

15-80 psi (103 - 552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

## Battery Specifications

| Usage     | 4-AA Battery Service Life† |        |       |         |
|-----------|----------------------------|--------|-------|---------|
|           | 24 yrs                     | 18 yrs | 9 yrs | 7.2 yrs |
| per month | 500                        | 1,000  | 3,000 | 4,000   |
| per day   | 25                         | 50     | 150   | 200     |

† Service life varies according to actual usage and restroom conditions  
Battery shelf life: Alkaline= ~10 years - Lithium= ~25 years

## Warranty

[View Warranty Information](#)

## Notes

All information contained within this document subject to change without notice.

\*Compliant with ADA accessibility requirements when installed according to ADA standards.

WaterSense compliant when used with a 1.28 gpf (4.8 lpf) WaterSense fixture.

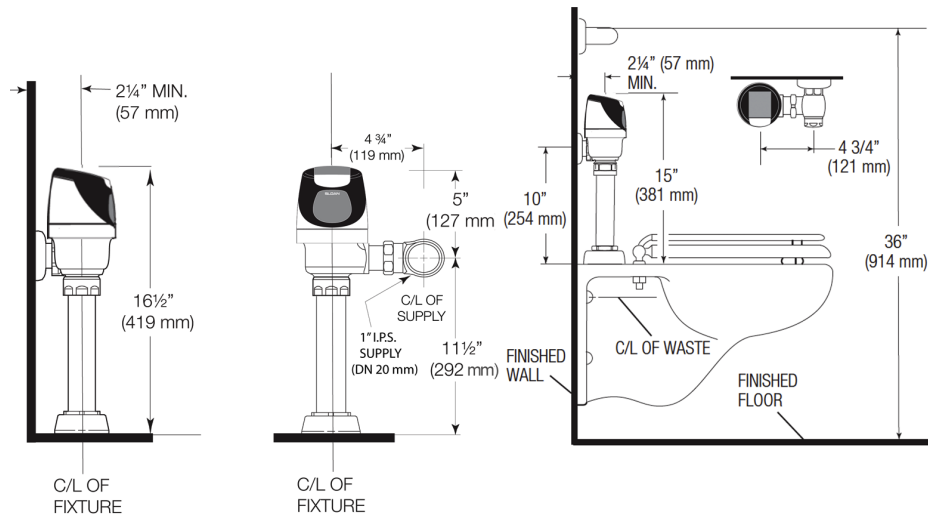
Looking for other variations of the SOLIS 8111 product? [View the general spec sheet with all options.](#)

[Find a compatible urinal](#) for this flushometer.

[Find a compatible water closet](#) for this flushometer.

## Alternate ADA Installation

Lower water supply rough-in to 10" (254 mm) and mount grab bar at the 36" (914 mm) maximum allowed height.



## When installing in a handicap stall:

Per the ADA Guidelines (section 604.9.4) it is recommended that the grab bars be split or shifted to the wide side of the stall. If grab bars must be present over the valve, use the alternate ADA installation as shown to the right.