



ARCHITECTURAL & ENGINEERING SPECIFICATION

Zurn Smart Occupancy Lights provide users a safe and efficient restroom experience by making it easy to distinguish available and occupied stalls. Easy to mount over a stall entrance, these self-contained indicators do not require any external sensors or modification of stall hardware and require only a low voltage power connection.

Zurn Smart Occupancy Lights transmit occupancy data wirelessly to Zurn plumbSMART™ web portal and mobile app or other partner applications where it can be used to predict maintenance and cleaning needs and allow live display of available stalls outside of the restroom.

PRODUCT FEATURES

- Visually indicates occupancy status by turning red when occupied and green when available.
- Wirelessly communicates occupancy information to the cloud.
- Self-contained. Detects stall occupancy without any external sensors or hardware.
- Lights are powered by low-voltage DC and can be daisy-chained, simplifying installation.

TECHNICAL SPECIFICATIONS

Zurn Smart Occupancy Light

- Power input: 12VDC, 300 mA max
- Operating Temperature: 32°F - 104°F
- Mounting: 8'6" max over center of entrance (Extension Pole available for higher ceiling heights)
- Communicates over a wireless mesh to Zurn TS Gateway directly, or to another Zurn Smart Occupancy Light within range of a Zurn TS Gateway

Zurn Smart Occupancy Light Power Supply

- Connects up to 40 Zurn Smart Occupancy Lights
- Class II Isolation
- Output: 12 VDC, 6.7 A max (screw terminal block)
- Short-circuit, over-voltage and over-current protection
- Operating Temperature: -22°F - 122°F
- Meets IEC/EN/UL62368-1
- Note: Mount inside metallic junction box and connect lights using plenum-rated 2-conductor cable sized according to NEC guidelines for total current

COMPLIANCE AND CERTIFICATION

- For commercial and institutional use only
- Meets UL 48
- This device complies with Part 15 of the FCC Rules and ISED Canada RSS Standards



ACCESSORIES (SOLD SEPARATELY)

Required:

Z-PWRSUP-W1 - Zurn Smart Occupancy Light Power Supply

Optional*:

Z-LIGHT-MOUNT-WALL - Mounts to wall or single-gang electrical box

Z-LIGHT-MOUNT-1.5FT

Z-LIGHT-MOUNT-2.5FT

Zurn Smart Occupancy Light Mount - Extension Pole

*Required for ceiling heights above 8'6"

GATEWAY OPTIONS (SOLD SEPARATELY)

-LTE ZGW-WRP-W1-LTE

-Ethernet ZGW-WRP-W1-ETH

Gateway:

- Available for LTE (global) or Ethernet communication
- LTE model includes SIM card and managed SIM subscription
- Connects 50 - 100 Zurn Smart Occupancy Lights
- Range (indoor): Up to 60 ft
- LTE: USB Micro powered (power supply included)
- Ethernet: USB-C powered (power supply included)
- Operating Temperature: 32F - 104F



Gateway - LTE

62.88mm

16.5mm



105.8mm



Gateway - Ethernet

80.9mm

20.9mm



66.0mm

Architectural/Engineering Approval

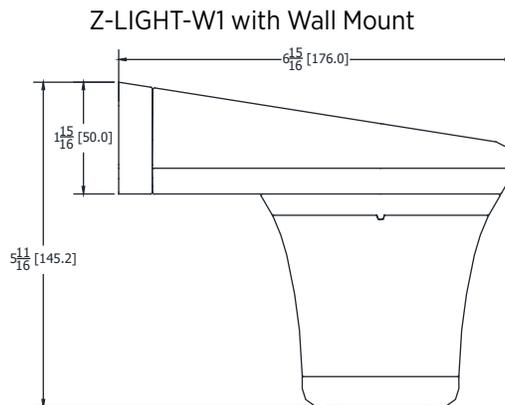
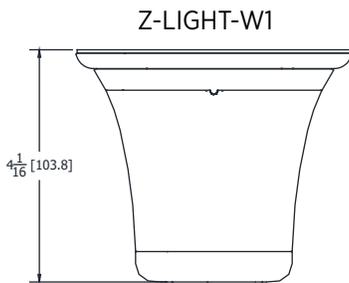
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Please contact Zurn for most up to date information.



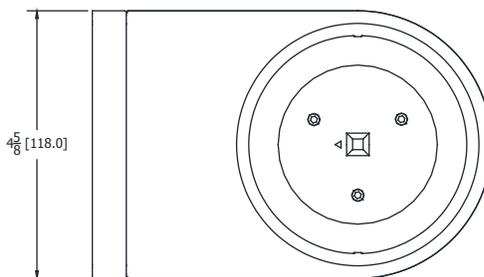
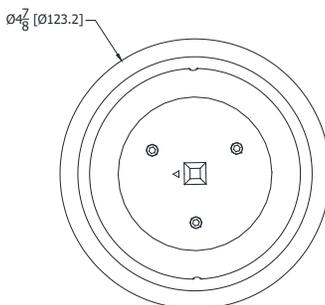
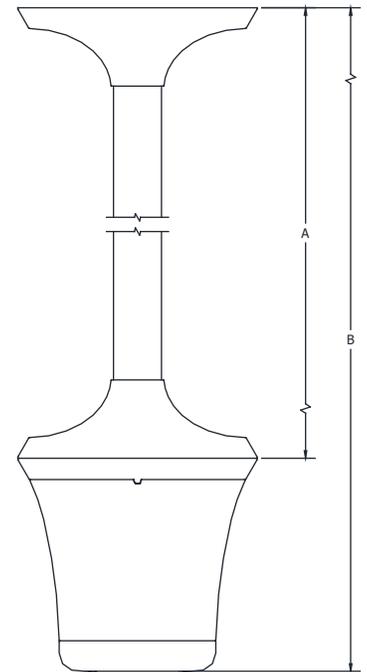
Recommended Installation:

- Power Supply connects up to 40 Zurn Smart Occupancy Lights wired in daisy chain.+ Observe all electrical codes.
 - Plenum rated cable should be used and sized according to local electrical code.
 - Gateway connects maximum 50 - 100 Zurn Smart Occupancy Lights depending on setup and building characteristics.
 - One gateway is recommended for each restroom, but one gateway may support adjacent restrooms depending on spacing and building characteristics.
 - Maximum recommended spacing between Zurn Smart Occupancy Light and Gateway is 60 feet.
 - Maximum recommended spacing between two Zurn Smart Occupancy Lights is 60 feet.
- + Zurn Smart Occupancy Lights are only certified for use with required Z-PWRSUP-W1 power supply or equivalent.

ROUGH-IN DIMENSIONS/OVERVIEW DIMENSIONS



Z-LIGHT-W1 with Ceiling Extension



DIMENSION TABLE		
DESCRIPTION	A	B
Z-LIGHT-MOUNT-1.5	18 [457]	21 3/4 [552]
Z-LIGHT-MOUNT-2.5	30 [762]	33 3/4 [857]