SHOWERST★R
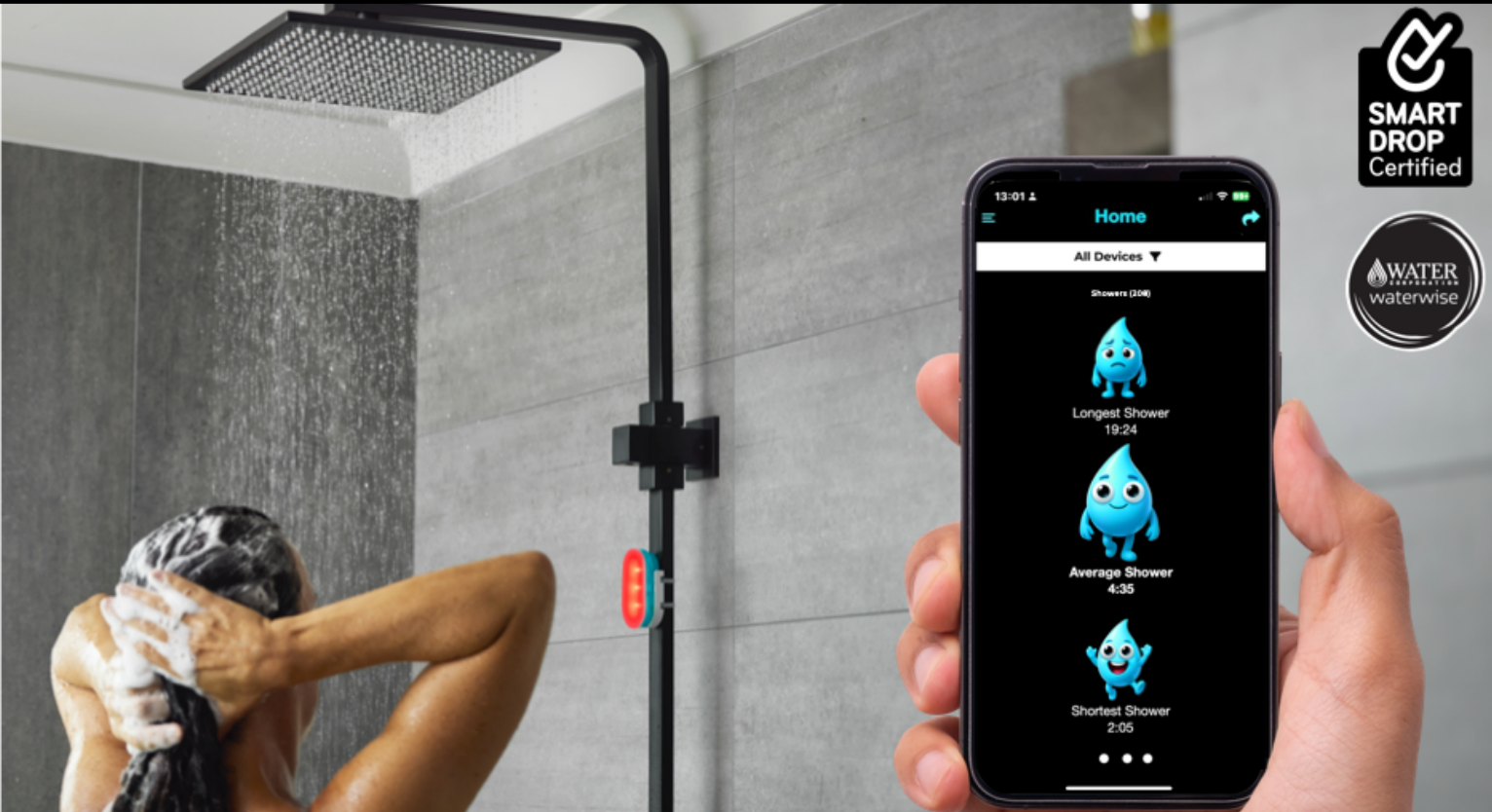## Shower sensor timer and App

ShowerStar™ is one of the highest impact and lowest-cost **water and energy efficiency** measures available, nudging people to take shorter showers on a daily basis.

A patent pending, simple DIY retrofit product that mounts onto an existing shower piping or shower-heads and automatically detects when a shower starts.

Once the sensor detects the shower has started, a timer starts decrementing. Visual alerts are provided at the start, half-time, full-time and overtime. The default theme is "Traffic Light" which uses green, amber and red signals.

The product is powered via a long life rechargeable battery with a USB type C port for charging from a standard USB 5VDC charger. The battery only needs to be recharged approximately every ~6-8 months depending on use and configuration*.

Works with any type of water heater including electric storage, heat pump, gas and thermal storage and works with any type of showerhead.

Configuration and monitoring
The App connects via Bluetooth and is available in iOS and Android versions. The App enables device provisioning, configuration and monitoring.

Installation
DIY installation onto a shower pipe (rigid or flexible, straight or corrugated) or directly onto a shower-head. Installation takes <2 minutes. First mount a cradle using the supplied zip ties, then slide the product into the mounting cradle to complete the installation. No plumbing or electrical connection required.

Portal
ShowerStars can be configured to upload non-personally identifiable usage data from each device to a cloud based Portal. This enables program managers to view and verify program device installation, data and   and persistance to inform program design and water heater load flex programs.

Features

Mounting Cradle

Vibration Sensor

Buzzer

RGB LEDS

Rechargeable Battery

Operation Button

USB Charging Port

App

Bluetooth

Available on the App Store

GET IT ON Google Play

Electrical

FOR INDOOR USE ONLY

Battery	1000mAh 3.7V Lipo
	Recharge every ~6-8 months*
	*Assumes 4 showers / day and subject to alert configuration
Charging	5VDC USB Charger
Communications	Bluetooth Low Energy ™
App OS Support	iOS™ + Android ™
Estimated Product Life	8-10 years

Physical

Operating Temp	32° to 113° F | 0° to 45° C
Storage Temp	14° to 140° F | -10° to 60° C
IP Rating	55
L x W X H	3.27" x 1.8" x 0.9"
	83mm x 45mm x 23mm
Weight	2.3 ounces | 65 grams

Warranty

1-year limited warranty

Approvals

FCC (US) Part 15.247
CE - EMC (EN IEC61326)
    RED ETSI EN 310 489-1, EN 301 489-17,
    ETSI EN 300 328, EN IEC 62311:

RCM, RoHS, Prop65

Battery (UL1642, UL2054, IEC62133, CB, CE, RoHs, UN38.3, REACH)

For indoor use only. Water resistant.
Do not immerse fully in water.

FC CE RoHS IP55

Ordering

TG168   ShowerStar Shower Sensor Timer

Legal

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