Description

The HALO Home smart LED motion sensor flood incorporates Bluetooth® Mesh technology into a durable, twin head design for an advanced outdoor lighting solution built for high performance. Features configurable settings for both the motion sensor and floodlight, including sensitivity, duration and scene control, as well as grouping, scheduling, dimming and white color tuning. The MST20C does not require a hub and can be wirelessly controlled directly from any compatible smart device utilizing the HALO Home app, or any HALO Home wireless switch or dimmer.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Specification Features

Wireless System

- For use with the HALO Home mobile app
- Bluetooth low energy (BLE) mesh allows on/off and dimming to be controlled wirelessly with companion wall switches, smart phones and tablets using Halo Home mobile app
- Dual Bluetooth module design allows for separate floodlight (device) and motion sensor (controller) function
- White tuning, grouping, scheduling, scenes and countdown timer controlled through HALO Home mobile app
- Motion sensitivity control from 0-100%
- Photocontrol sensitivity from 0-100%

Construction

- Durable die-cast aluminum housing with UV stable clear lens
- Powder coated bronze or white finish
- Optically enhanced reflector improves efficiency and delivered lumens
- Tool-less head and motion sensor adjustment
- Wall or eave mounted to recessed or surface junction boxes

Electrical

- For use with 120-277V, 50/60Hz power sources
- Maintenance-free LED's with 70,000 hours of life
- Operating temperature of -30°C to 40°C
- cULus listed for wet locations
- External supply wiring 75°C minimum
- Motion sensor detects motion 180° up to 50 feet

Optics

- Two-stage optics for maximum coverage
- Wirelessly controlled white tuning from 3000K to 5000K CCT (factory default 4000K)
- Wirelessly controlled dimming to 5%

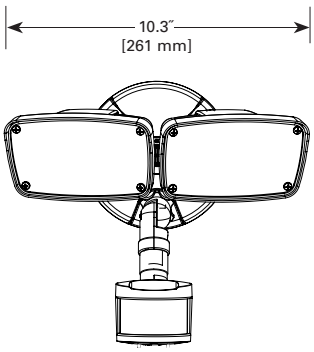
Warranty

Five year limited warranty

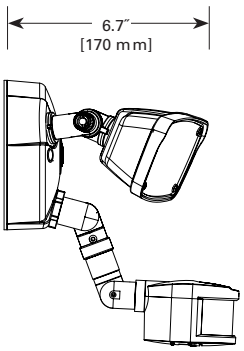
HALO HOME | Available on the App Store | ANDROID APP ON Google play

Dimensions

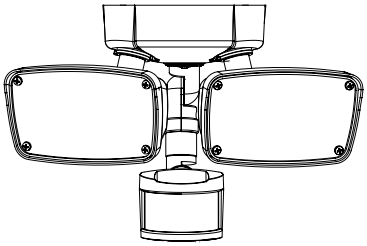
Front View



Side View



Eave Mount



Ordering Information

Sample Number: MST20C18W

Application	Heads	Nominal Wattage	Protocol	Motion Sensor	Finish
MS = Motion Sensor	**T** = Twin Head	**20** = 20W	**C** = Connected Bluetooth Mesh Wireless Control, 4.0	**18** = 180° Detection	**B** = Bronze **W** = White

HALO Home MST20C Series

Twin Head LED Motion with Bluetooth Mesh Connectivity

CCT Adjustable

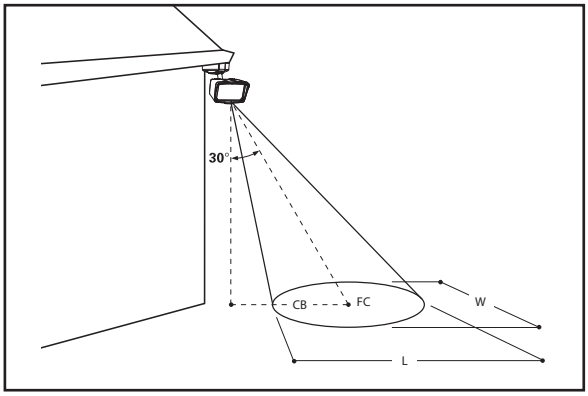
Range from 3000K-5000K

Bluetooth®

CERTIFICATION DATA
cULus wet location listed

TECHNICAL DATA
120-277V, 50/60Hz
-30°C to 40°C temperature rating
External supply wiring 75° minimum

Photometrics



Note: Specifications and Dimensions subject to change without notice.

Area Coverage

	Mounting Height	Length (L)	Width (W)	Area (Sq. Ft.)	Max FC
MST20C Series	10 ft. 15 ft. 20 ft.	18 20 20	40 40 40	720 800 800	4.3 1.9 1.1

Note: Bronze fixture at a typical mounting angle of 30° from vertical
All figures based on minimum footcandle (FC) of 0.5 and 4000K CCT.

Technical Information

Series	Voltage	Power (W)	Delivered Lumens (lm)*	Efficacy (lm/W)	CCT	CRI*	Motion Sensor
MST20C18B	120-277V, 50/60Hz	22.8	2034	89.2	Variable, 3000K - 5000K	84	Single PIR, 180° Detection
MST20C18W	120-277V, 50/60Hz	22.8	2034	89.2	Variable, 3000K - 5000K	84	Single PIR, 180° Detection

* Based on factory default setting of 4000K CCT

COOPER Lighting Solutions

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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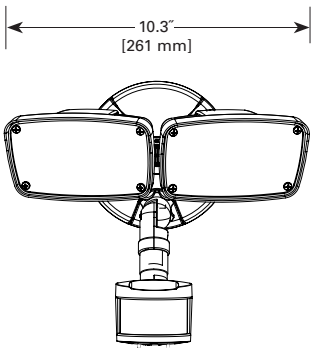

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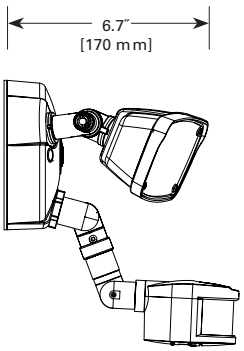

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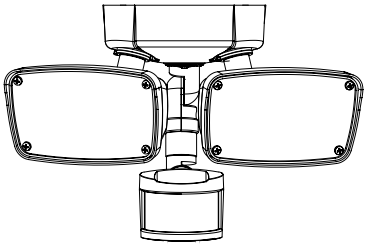

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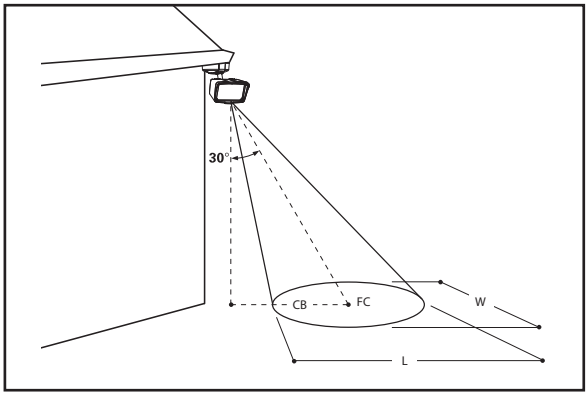

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