SOLAIRA

MALIBU SERIES

The Solaira°™ Malibu series is a fixed location post heater powered by three Alpha series heaters. Alpha series heaters produce short wavelength infrared heat—86% of consumed energy is transferred into instant, controllable, directional heat. Shortwave infrared heating technology is not affected by wind and warms people and objects—not the air between. The Malibu series allows specifying engineers to place heaters in locations without walls or ceilings to mount heaters on. Heaters can be adjusted and directed heating loads based on area requirements.

KEY FEATURES

- Up to 6,000W / 20,500 BTU per unit

- IP55 Weather protection for fully exposed environments

- Ultra Low Light Infrared emitters and gold polished radiant reflectors

- Fully adjustable mounting brackets included

- Control systems for all applications—from simple stand-alone wall control to full BMS smart home integration: 0-10v, 4-20mA, BACnet input capability
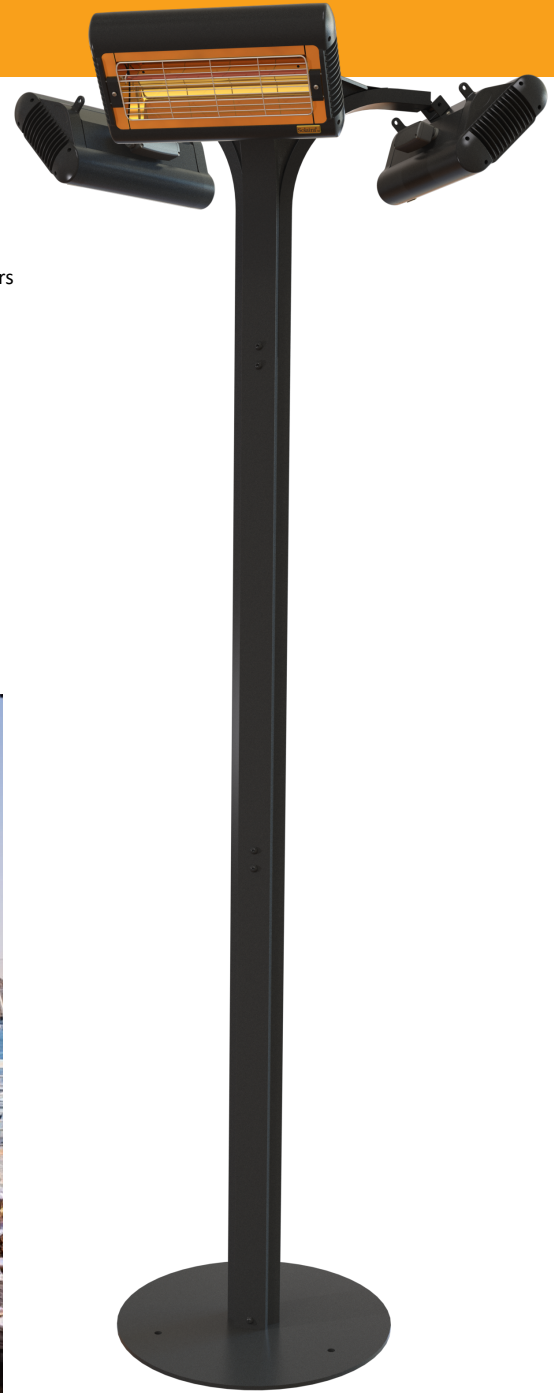
COMMERCIAL

DRIVEN BY ENGINEERING, DESIGN AND PERFORMANCE.
LEARN MORE AT **WWW.SOLAIRAHEATERS.COM**

CSA C US ®
CERTIFIED TO
UL 2021
CSA 22.2 No.46-13

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MALIBU SERIES

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TECHNICAL DATA

MODEL	BTU's	WATTS	VOLTS	AMPS	INPUT POWER	WEIGHT	REPLACEMENT EMITTER
MAL60240L1B [BLACK]	20460	6000	240	25.0	208-240 VAC 50/60 Hz 1Φ	92lb (41.5Kg)	SWIRE20240-L1
	15345	4500	208	21.6			

HEATERS RATED FOR 240V ARE APPROVED TO BE USED ON 208V CIRCUITS. HEATER OUTPUT WILL BE REDUCED BY APPROXIMATELY 25%.

HEATER DIMENSIONS

⌈42in⌉
∅ 1066mm
OVERALL DIAMETER

⌈95in⌉
2412mm

3X 120°

⌈.63in⌉
16mm
FOOT HEIGHT

⌈21.65in⌉
∅ 550mm
BASE DIAMETER
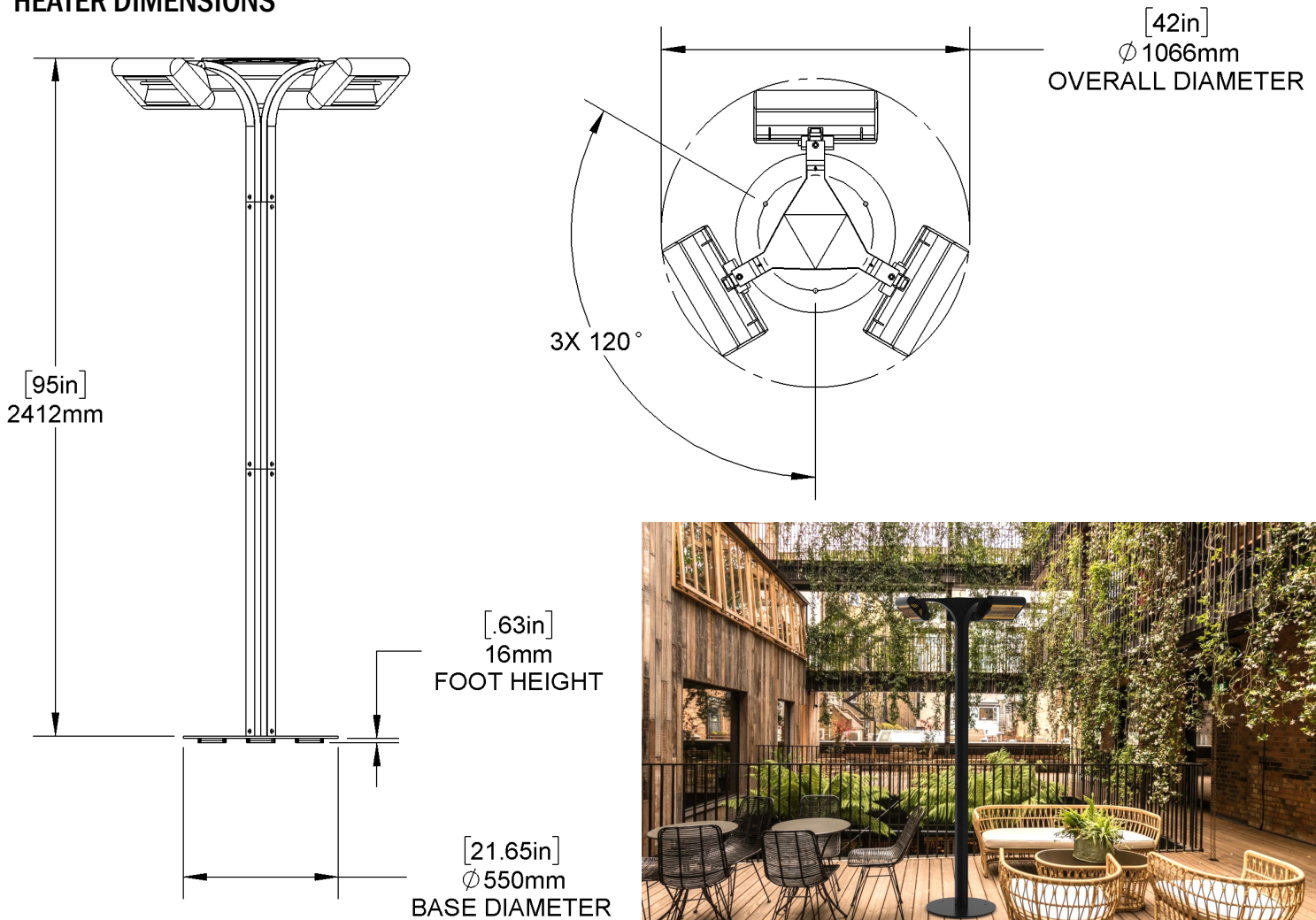
NOTE: FIXED LOCATION HEATER. DETAILED BASE MOUNTING DIAGRAM AVAILABLE.

HEATER CONSTRUCTION

POST ASSEMBLY	HEATER BODY	EMITTER	REFLECTOR	EMITTER GUARD	INGRESS PROTECTION
Aircraft Grade extruded aluminum	Aircraft Grade extruded aluminum	Solaira° Candel ultra low light emitter	Gold Anodized mirror polished aluminum	Nickel dipped Carbon Steel wire cage	IP-55 resistance for low pressure water jets

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MALIBU SERIES

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HEATER CLEARANCES

[19.5"]
0.5m

[59"]
1.5m
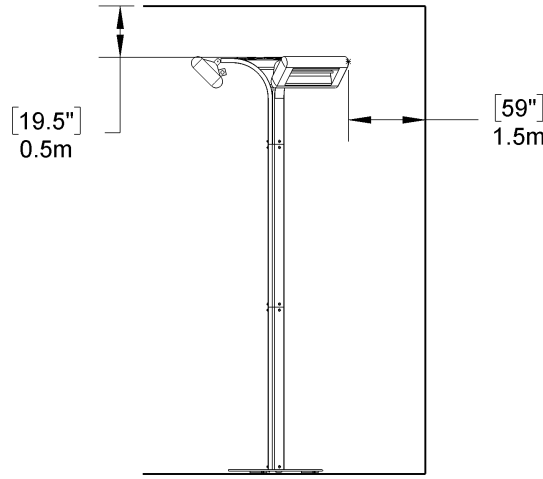
NOTE: DO NOT POINT HEATER DIRECTLY AT SIDE WALL. MINIMUM 6' FRONTAL CLEARANCE TO FLAMMABLE OBJECTS.

HEATER COVERAGE PATTERNS

MALIBU								
MODEL	VOLTAGE	POWER	MOUNTING HEIGHT	OVERALL HEATED AREA		CONCENTRATED HEATED AREA		
				DIAMETER	AVERAGE HEAT DENSITY	WIDTH	DEPTH	CONCENTRATED HEAT DENSITY
MAL60240L1B	@ 240V	6000W	8' (2.4m)	16' (4.9m)	12 W/ft²	6' (1.8m)	3.5' (1.1m)	22 W/ft²
	@ 208V	4500W	8' (2.4m)	14.5' (4.4m)	10 W/ft²	5.5' (1.7m)	3.3' (1m)	17 W/ft²

NOTE: Heat density reduced by 25% when 240V heaters are used on 208V

OVERALL HEATED AREA

CONCENTRATED HEATED AREA

DIAMETER

DEPTH

WIDTH
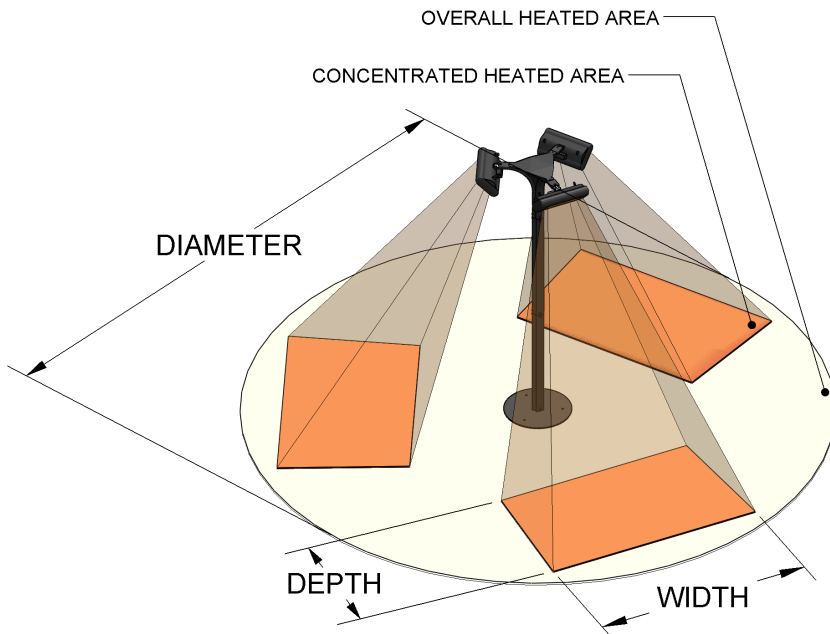
DATA-DRIVEN HEATER LAYOUTS

HEAT SPEC AVAILABLE

HEAT SPEC

Solaira's HEATSPEC tool delivers elevated heater coverage visualizations. Requesting a HEATSPEC layout removes the guesswork of heater placement and allows you to define and specify heat rise for a target area. Request a HEATSPEC Layout from your sales rep.

MALIBU SERIES

Solaira°™

CONTROLS

ON / OFF CONTROL

SMART Timer Controller
SMRTTIM60—25A

SMART Occupancy Controller
SMRTOCC60—25 A

VARIABLE OUTPUT CONTROL

SMART Series Controller
SMART34-DV—34A

FEATURES
- Variable output
- Dual Voltage
- IP 65 ingress protection
- Onboard temperature monitor (SMaRT 34 only)
- cETL SPE 1000 Canada Inspected

SMaRT Accessories

Part Number	Description
SM-WSD	Wall Switch
SMRTVRMT	Handheld IR Remote Control
SMRTVTEM-R	Remote Temperature Monitor
SMRTVOCC	Occupancy sensor

OMNIS Series Controller
PASCR30-1-DIN—30A
PASCR90-1-DIN—90A
PASCR165-1-DIN—165A

FEATURES
- Single Zone, Single phase, sized by Amperage
- Inputs for BMS and home automation control 0-10DCv/4-20mA
- Lutron, Crestron, Control 4 ready
- Included Potentiometer for 100% controllability
- Breaker sub-panel by others as required

OMNIS Accessories

Part number	Description
PSST-MAXTIM	Gateway Timer (adds timer capability)
PSW-2BW	2 button Decora switch*
PSW-OS	Occupancy Sensor*
PSW-THERMV3	Adjustable Thermostat

*requires PSST-MAXTIM

OMNIS Custom Controller
Unlimited—CONTACT SALES REP
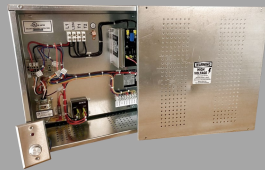
FEATURES
- Single zone or multi zone
- Single phase or 3 phase systems
- Individually fused inputs and outputs
- BMS, BACnet Ready 0-10DCv/4-20mA Input
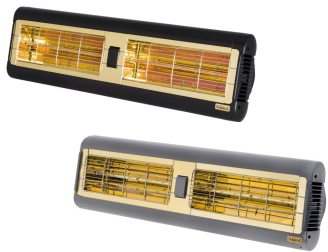- Lutron, Crestron, Control 4 ready

OMNIS Accessories

Part number	Description
PSST-MAXTIM	Gateway Timer (adds timer capability)
PSW-2BW	2 button Decora switch*
PSW-OS	Occupancy Sensor*
PSW-THERMV3	Adjustable Thermostat

*requires PSST-MAXTIM

ALTERNATE POST OPTIONS

ALPHA H2 SHOWN (UP TO 4000W) H3 (UP TO 6000W) AVAILABLE

ALPHA SERIES HEATER
SALPHA2-40240B [BLACK]
SALPHA2-40240G [ANTIQUE GREY]

CENTER MOUNT BRACKET
SALPMHH2-B [BLACK]
SALPMH2-G [ANTIQUE GREY]

SOLAIRA° ARCHITECTURAL POST
SP100-G | SP100-B [ANTIQUE GREY | BLACK]
SP80-G | SP80-B [ANTIQUE GREY | BLACK]
*HEATER SOLD SEPERATELY, REQUIRES CENTER MOUNT BRACKET
*MINIMUM ORDER QTY APPLIES

CERTIFICATION

CERTIFIED TO
UL 2021—Electric Air Heaters
CSA 22.2 No.46-13—Electric Air Heaters

WARRANTY

FIXTURE: 3 years - workmanship and materials

EMITTER BULB: 1 year—workmanship and materials

DUE TO OUR POLICY OF ONGOING IMPROVEMENT, WE RESERVE THE RIGHT TO MAKE CHANGES TO SPECIFICATIONS WITHOUT NOTICE.

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SOLAIRA°™ is a registered trademark of Inforesight Consumer Products Inc.
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REV A1: 2023-08-10