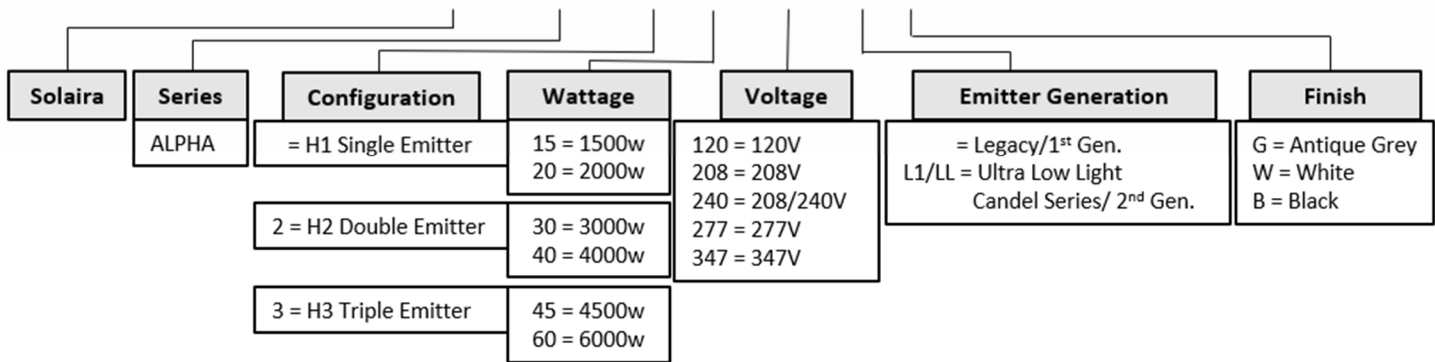


PROJECT NAME:		DATE:	
ADDRESS:			
ENGINEER:			
ARCHITECT:			
CONTRACTOR:			
SUBMITTED BY:			
APPROVED BY:			



Certified to UL2021 and
CSA 22.2 46-13

S ALPHA 3-60 240 L1 B



Qty	Tag	Description	Model Number	Finish	# of Emitters	Wattage	Voltage	Amperage	BTUs
		Alpha H1 - 1500W / 120V	SALPHA-15120	G W B	1	1500	120	12.5	5100
		Alpha H1 - 1125W / 208V	SALPHA-15240L1	G W B	1	1125	208	5.4	3825
		Alpha H1 - 1500W / 208V	SALPHA-20240L1	G W B	1	1500	208	7.2	5100
		Alpha H1 - 2000W / 208V*	SALPHA-20208L1*	G W B	1	2000	208	9.6	6825
		Alpha H2 - 2250W / 208V	SALPHA2-30240L1	G W B	2	2250	208	10.8	7675
		Alpha H2 - 3000W / 208V	SALPHA2-40240L1	G W B	2	3000	208	14.4	10225
		Alpha H3 - 3375W / 208V	SALPHA3-45240L1	G W B	3	3375	208	16.2	11500
		Alpha H2 - 4000W / 208V*	SALPHA2-40208L1*	G W B	2	4000	208	19.2	13650
		Alpha H3 - 4500W / 208V	SALPHA3-60240L1	G W B	3	4500	208	21.6	15350
		Alpha H3 - 6000W / 208V*	SALPHA3-60208L1*	G W B	3	6000	208	28.8	20450
		Alpha H1 - 1500W / 240V	SALPHA-15240L1	G W B	1	1500	240	6.3	5100
		Alpha H1 - 2000W / 240V	SALPHA-20240L1	G W B	1	2000	240	8.3	6825
		Alpha H2 - 3000W / 240V	SALPHA2-30240L1	G W B	2	3000	240	12.5	10225
		Alpha H2 - 4000W / 240V	SALPHA2-40240L1	G W B	2	4000	240	16.7	13650
		Alpha H3 - 4500W / 240V	SALPHA3-45240L1	G W B	3	4500	240	18.8	15350
		Alpha H3 - 6000W / 240V	SALPHA3-60240L1	G W B	3	6000	240	25	20450
		Alpha H1 - 2000W / 277V	SALPHA-20277	G W B	1	2000	277	7.2	6825
		Alpha H2 - 4000W / 277V	SALPHA2-40277	G W B	2	4000	277	14.4	13650
		Alpha H3 - 6000W / 277V	SALPHA3-60277	G W B	3	6000	277	21.7	20450
		Alpha H1 - 2000W / 347V*	SALPHA-20347*	G W B	1	2000	347	5.8	6825
		Alpha H2 - 4000W / 347V*	SALPHA2-40347*	G W B	2	4000	347	11.5	13650
		Alpha H3 - 6000W / 347V*	SALPHA3-60347*	G W B	3	6000	347	17.3	20450

* CETL - SPE1000 CAN Inspected.

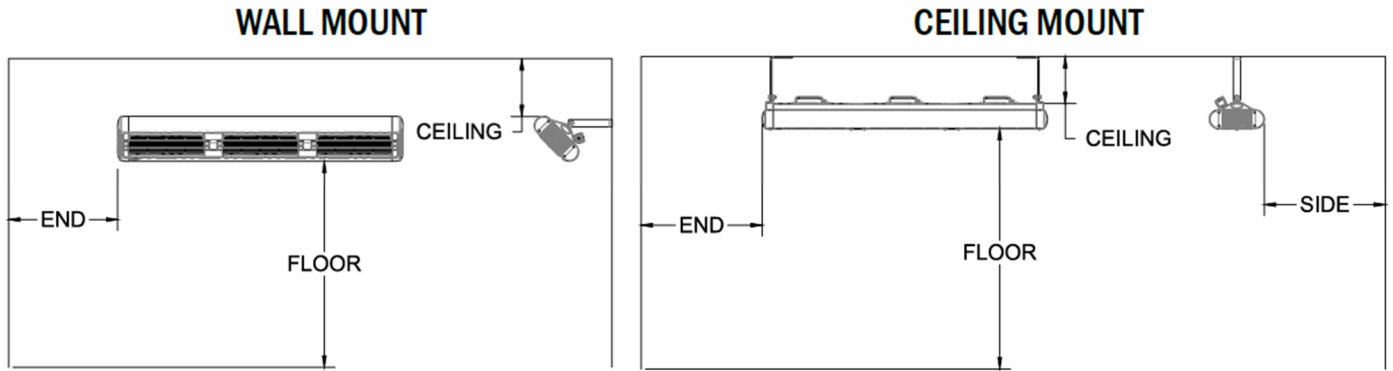
ACCESSORIES

Qty	Model Number	Finish	Description	Notes
Accessories: Modular Multi-mount brackets and posts				
			Solaira 6.5" Mounting Bracket	INCLUDED with all heaters, only functional for wall mount applications
	SP100	G B	Solaira 10' Post, 4"x4" Extruded Alum, Base mount. Electrical Access, Grounding lug	
	SP80	G B	Solaira 8' Post, 4"x4" Extruded Alum, Base mount. Electrical Access, Grounding lug	
	SALPARMH2	G B	Alpha Arm Bracket for post/center mount. H2 (3000 and 4000W), Antq. Grey	Required for all post/center mount applications
	SALPARMH3	G B	Alpha Arm Bracket for post/center mount. H3 (4500 and 6000W), Antq. Grey	Required for all post/center mount applications
	SALPHABRCT12	G B	Alpha 12" Ceiling Bracket (2 Included)	Required for ceiling mount applications
	SALPHABRCT18	G B	Alpha 18" Ceiling Bracket (2 Included)	Required for ceiling mount applications
	SAPHABRCTEXT24	G B	Alpha 24" Mounting Bracket Extension (2 Included)	
	SALPHABRCTMM	G	Alpha Connect Multi-Mount Bracket (for X2 and X3 installation) Antq. Gry (2 Included)	Required for 2 x SALPHA2/3 Heaters

CONTROLS

Refer to Solaira Controls Submittal Data Sheet for all Controls Equipment.

CLEARANCE REQUIREMENTS & MOUNTING CONFIGURATIONS



Heater		Clearances			Accessory Bracket Required for Ceiling Mount
Description	Model Number	Minimum Mounting Height (Inch [cm])	Ceiling Clearance (Inch [cm])	Side Wall Clearance (Inch [cm])	
Alpha H1 – 120V	SALPHA-15120	79 [201]	11.75 [30]	39.5 [100]	SALPHABRCT12
Alpha H1 – 208/240V	SALPHA-15240L1	79 [201]	11.75 [30]	39.5 [100]	SALPHABRCT12
Alpha H1 – 208V	SALPHA-20208L1	79 [201]	19.5 [50]	39.5 [100]	SALPHABRCT18
Alpha H1 – 208/240V	SALPHA-20240L1	79 [201]	19.5 [50]	39.5 [100]	SALPHABRCT18
Alpha H2 – 208/240V	SALPHA2-30240L1	98.25 [250]	19.5 [50]	39.5 [100]	SALPHABRCT18
Alpha H2 – 208V	SALPHA-40208L1	98.25 [250]	19.5 [50]	39.5 [100]	SALPHABRCT18
Alpha H2 – 208/240V	SALPHA2-40240L1	98.25 [250]	19.5 [50]	39.5 [100]	SALPHABRCT18
Alpha H3 – 208/240V	SALPHA3-45240L1	98.25/108 [250/274]	19.5 [50]	39.5 [100]	SALPHABRCT18
Alpha H3 – 208V	SALPHA3-60208L1	120 [305]	19.5 [50]	59 [150]	SALPHABRCT18
Alpha H3 – 208/240V	SALPHA3-60240L1	108/120 [274/305]	19.5 [50]	59 [150]	SALPHABRCT18
Alpha H3 – 208/240V	2 x SALPHA3-60240L1	158/177 [401/450]	19.5 [50]	59 [150]	SALPHABRCT18
Alpha H1 - 277V	SALPHA-20277	94.5 [240]	7.5 [19]	30 [76]	Not Required
Alpha H2 - 277V	SALPHA2-40277	94.5 [240]	7.5 [19]	39 [99]	Not Required
Alpha H3 - 277V	SALPHA3-60277	98 [249]	7.5 [19]	39 [99]	Not Required
Alpha H3 - 277V	2 x SALPHA3-60277	132 [330]	15 [38]	59 [150]	SALPHABRCT18
Alpha H1 - 347V	SALPHA-20347	94.5 [240]	7.5 [19]	30 [76]	Not Required
Alpha H2 - 347V	SALPHA2-40347	94.5 [240]	7.5 [19]	39 [99]	Not Required
Alpha H3 - 347V	SALPHA3-60347	98 [249]	7.5 [19]	39 [99]	Not Required
Alpha H3 - 347V	2 x SALPHA3-60347	132 [330]	15 [38]	59 [150]	SALPHABRCT18

Refer to Solaira Alpha Reference Manual for all installation guidelines and restrictions.

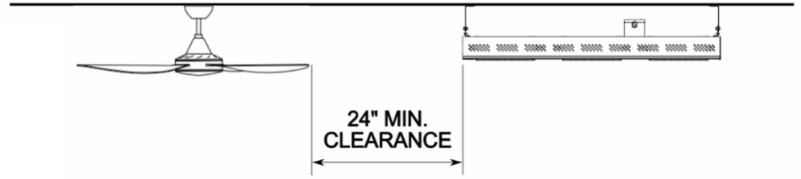
SOLAIRA ALPHA SERIES

ELECTRIC RADIANT HEATERS

SUBMITTAL SHEET

CEILING FAN CLEARANCE REQUIREMENTS

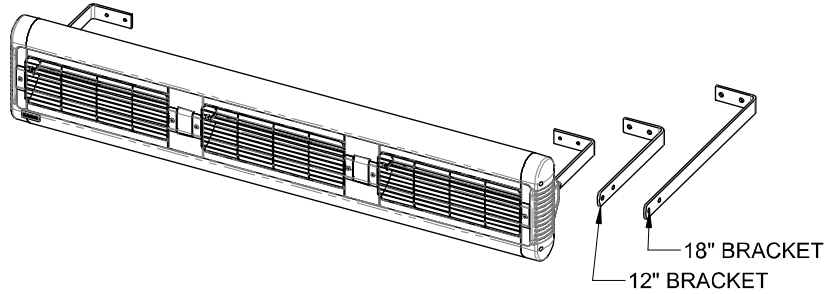
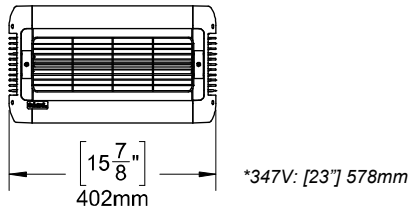
- Always maintain 24" clearance between heater and ceiling fans.
- When ceiling fan is dropped below front face of the heater, always maintain 24" between edge of the beam pattern and ceiling fans.
- Refer to Ceiling Fan Clearance Document for additional info.



HEATER SPECIFICATIONS

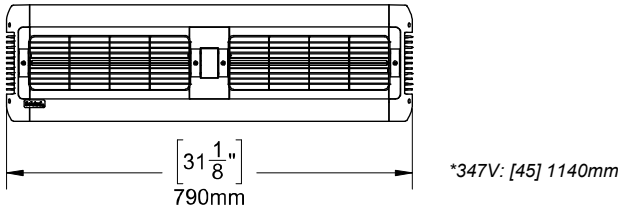
H1 HEATER

Single Emitter



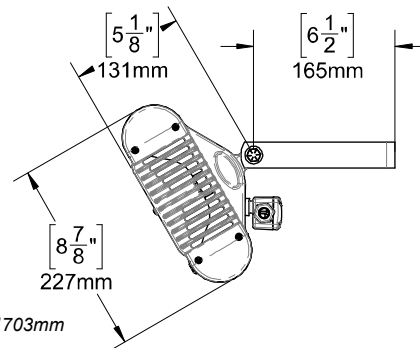
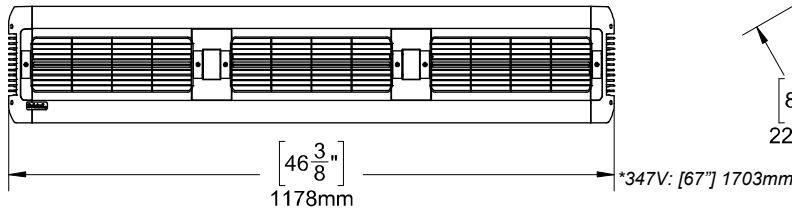
H2 HEATER

Double Emitter



H3 HEATER

Triple Emitter



Heater Body	Aircraft Grade Extruded Aluminium
Weight (H1, H2, H3)	7.5lbs, 12.3lbs, 17.6lbs
Emitter	Solaira Candle Ultra Low Light Emitter
Reflector	Gold Anodized Mirror Polished Aluminium
Emitter Guard	Nickel Dipped Carbon Steel Wire Cage
Ingress Protection	IP-55 Resistance for Low Pressure Water Jets
Power Supply	High Temperature Silicone Leads (6'7" / 2.0m) per element

COVERAGE PATTERNS

HEATER	MODEL NO.	COVERAGE WHEN MOUNTED AT (ft [m])	WIDTH (ft [m])	DEPTH (ft [m])	AVERAGE HEAT DENSITY (W/ FT ²)
ALPHA H1 – 1500W	SALPHA-15120/15240	6'7" [2.0]	10 [3.1]	4 [1.2]	28
ALPHA H1 – 2000W	SALPHA-20208/20240/20277/20347	6'7" [2.0]	11.5 [3.5]	4.5 [1.4]	30
ALPHA H2 – 3000W	SALPHA2-30240	8 [2.4]	14.5 [4.4]	5.5 [1.7]	26
		10 [3.1]	15.5 [4.7]	6.5 [2.0]	19
ALPHA H2 – 4000W	SALPHA2-40208/40240/40277/40347	8 [2.4]	16 [4.9]	6.5 [2.0]	29
		10 [3.1]	17.5 [5.3]	7 [2.1]	22
ALPHA H3 – 4500W	SALPHA3-45240	9 [2.7]	18 [5.5]	6.5 [2.0]	29
		11 [3.4]	19 [5.8]	7.5 [2.3]	21
ALPHA H3 – 6000W	SALPHA3-60208/60240/60277/60347	10 [3.1]	21 [6.4]	8 [2.4]	27
		12 [3.6]	21.5 [6.6]	8.5 [2.6]	22

ENGINEER AND ARCHITECT SHORT FORM SPECIFICATION

Heaters shall be cCSAus listed and certified to UL2021, 3rd edition and CSA 22.2 46-13 with CSA seal and certification number clearly visible on back of radiant heater. Heater model number and capacities, voltages, wattages, and all accessories should be indicated on the heater schedule.

Fixture Construction Heater shall be constructed with 2mm 6063 aircraft grade, extruded, polyester powder coated aluminum. Heater shall be rated IP55 or greater to protect against dust limited ingress and low-pressure jets of water from all directions. Accessories and all threaded hardware shall be stainless steel, Heater end caps shall be constructed from die cast aluminum with air vents for heat shedding.
Heaters shall be serviceable from the front face while installed, the operator shall be able to replace the emitter bulb after its terminated life.

Junction Boxes Heaters shall come with IP55 Rated weatherproof junction boxes for each emitter, with single phase wiring capability. Electrical terminations shall be made in a high strength, high temperature resistant PA 66 watertight box complete with silicone gasket and self tapping stainless steel and will be attached to the heater body.

Emitters Shall be 11mm in diameter and provide shortwave wavelengths between 1000-1300nm to convert and deliver 92% radiant efficiency. Emitters will be manufactured utilizing tubular quartz with tungsten coil and shall be coated for glare reduction, known as Standard Low Glare or Ultra Low Glare Candel™, to reduce light output by minimum 40%. Emitter coil temperatures shall reach minimum 2200°C during operation.

Reflectors Shall be constructed of 0.8mm gold anodized aluminum, 87% reflectivity. Reflectors shall provide a distribution pattern angle of 30 degrees.

Control: All controls are accessories and should be specified project specific. Please consult technical sales when determining suitable controls for your application.

Accessories: Mounting brackets for ceiling mount applications, multi-mount brackets, architectural posts, Omnis Controls, Thermostats, Occupancy Sensors, Timers.

Specification subject to change without notice.

For detailed specifications please download the Solaira 3 Part Guide Specification available at www.solairaheaters.com

Due to ongoing product improvements, specifications and dimensions are subject to change without notice and without incurring obligations. Inforesight Consumer Products Inc. use terms and conditions may be reviewed at: <https://www.solairaheaters.com/privacy-policy/>

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