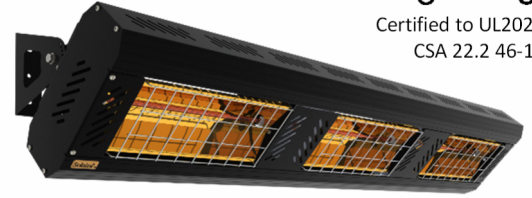


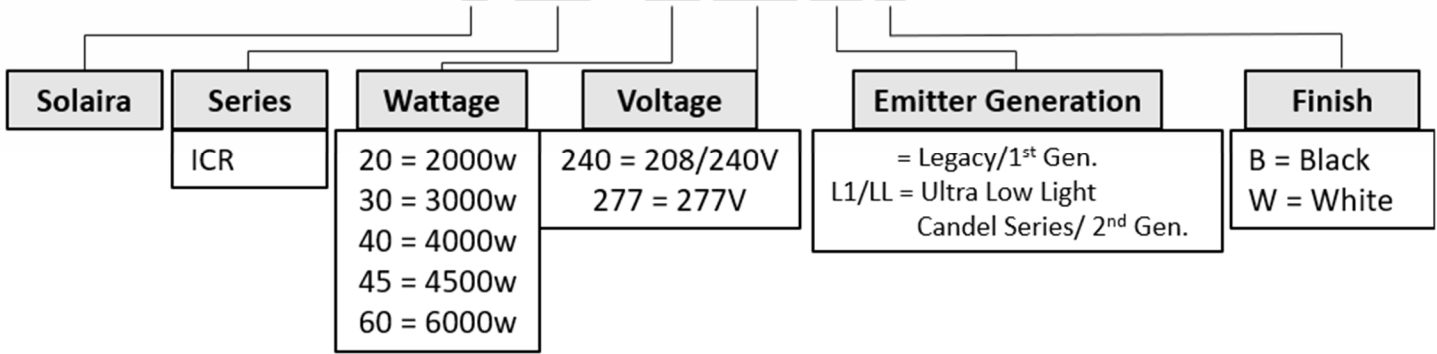


Certified to UL2021 and
 CSA 22.2 46-13



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

S ICR - 60 240 L1 B



Qty	Tag	Description	Model Number	Finish	# of Emitters	Wattage	Voltage	Amperage	BTUs
		ICR H1 - 1500W / 208V	SICR-20240L1B	B W	1	1500	208	7.2	5100
		ICR H2 - 2250W / 208V	SICR-30240L1	B W	2	2250	208	10.8	7675
		ICR H2 - 3000W / 208V	SICR-40240L1	B W	2	3000	208	14.4	10250
		ICR H3 - 3375W / 208V	SICR-45240L1B	B W	3	3375	208	16.2	11500
		ICR H3 - 4500W / 208V	SICR-60240L1	B W	3	4500	208	21.6	15350
		ICR H1 - 2000W / 240V	SICR-20240L1B	B W	1	2000	240	8.3	6825
		ICR H2 - 3000W / 240V	SICR-30240L1	B W	2	3000	240	12.5	10225
		ICR H2 - 4000W / 240V	SICR-40240L1	B W	2	4000	240	16.7	13650
		ICR H3 - 4500W / 240V	SICR-45240L1B	B W	3	4500	240	18.8	15350
		ICR H3 - 6000W / 240V	SICR-60240L1	B W	3	6000	240	25	20450
		ICR H1 - 2000W / 277V*	SICR-20277L1	B W	1	2000	277	7.2	6825
		ICR H2 - 4000W / 277V*	SICR-40277L1	B W	2	4000	277	14.4	13650
		ICR H3 - 6000W / 277V*	SICR-60277L1	B W	3	6000	277	21.7	20450

* CETL - SPE1000 CAN Inspected.

ACCESSORIES

Qty	Model Number	Finish	Description	Notes
Accessories:				
	SICR-H1-TRIM	B W	ICR H1 – TRIM KIT	Required for Recessed Mount Applications*
	SICR-H2-TRIM	B W	ICR H2 – TRIM KIT	Required for Recessed Mount Applications*
	SICR-H3-TRIM	B W	ICR H3 – TRIM KIT	Required for Recessed Mount Applications*

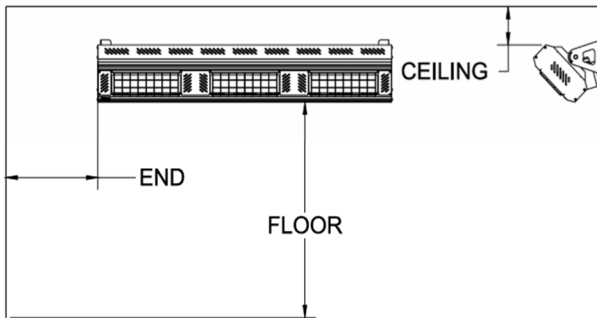
* Requires 1 hr Fire Rated Enclosure in Recess Mount, Provided by Others. Refer to ICR Trim Kit Spec Sheet for Enclosure Details.

CONTROLS

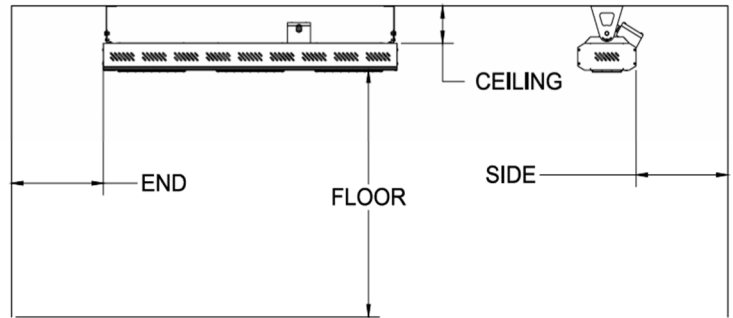
Refer to Solaira Controls Submittal Data Sheet for all Controls Equipment.

CLEARANCE REQUIREMENTS & MOUNTING CONFIGURATIONS

WALL MOUNT



CEILING MOUNT

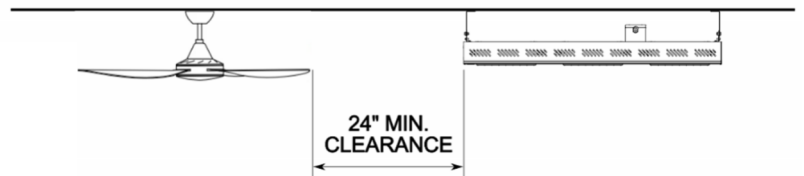


Heater		Clearances		
Description	Model Number	Minimum Mounting Height (Inch [cm])	Ceiling Clearance (Inch [cm])	Side Wall Clearance (Inch [cm])
ICR H1 – 208/240V	SICR-20240L1	79 [201]	6 [15]	39 [100]
ICR H2 – 208/240V	SICR-30240L1	98 [250]	6 [15]	39 [100]
ICR H2 – 208/240V	SICR-40240L1	98 [250]	6 [15]	39 [100]
ICR H3 – 208/240V	SICR-45240L1	98.25/108 [250/274]	6 [15]	59 [150]
ICR H3 – 208/240V	SICR-60240L1	108/120 [274/305]	6 [15]	59 [150]
ICR H1 – 277V	SICR-20277L1	79 [201]	6 [15]	39 [100]
ICR H2 – 277V	SICR-40277L1	98 [250]	6 [15]	39 [100]
ICR H3 – 277V	SICR-60277L1	120 [305]	6 [15]	59 [150]

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

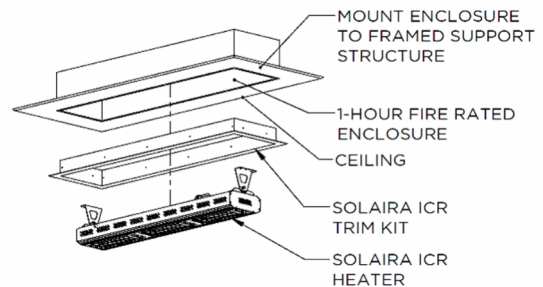
CEILING FAN CLEARANCE REQUIREMENTS

- 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.

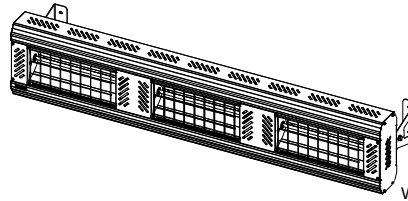


CEILING RECESS INSTALL

- Recess box to be made from 1 hour fire rated type x drywall or similar, provided by the installer
- Heater supplied with 6'7", 305F (2m, 150°c) silicone wire.
- Do not mount building junction box directly behind heater
- Make supply connections in accessible location outside of recess box
- [Click link for detailed recess installation specification](#)



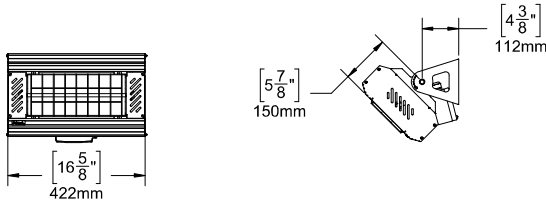
HEATER SPECIFICATIONS



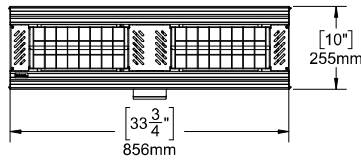
WALL BRACKET PAIR INCLUDED.

HEATER DIMENSIONS

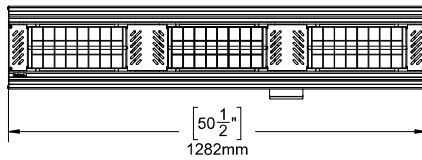
H1 HEATER
Single Emitter



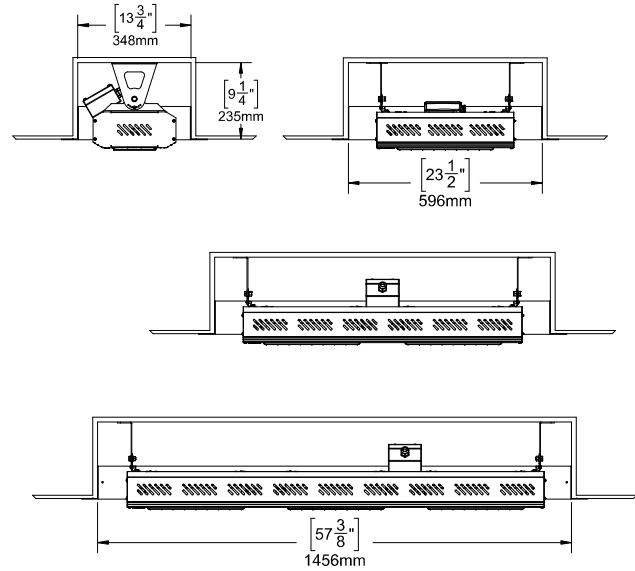
H2 HEATER
Double Emitter



H3 HEATER
Triple Emitter



RECESS BOX DIMENSIONS*



Heater Body	Aircraft Grade Extruded Aluminium
Weight (H1, H2, H3)	6.6lbs, 13lbs, 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 Lead (6'7" / 2.0m)

COVERAGE PATTERNS

HEATER	MODEL NO.	COVERAGE WHEN MOUNTED AT (ft [m])	WIDTH (ft [m])	DEPTH (ft [m])	AVERAGE HEAT DENSITY (W/ FT ²)
ICR H1 – 2000W	SICR-20240L1/20277L1	8 [2.4]	12.5 [3.8]	4.5 [1.4]	24
ICR H2 – 3000W	SICR-30240L1	8 [2.4]	14.5 [4.4]	5.5 [1.7]	27
		10 [3.1]	15.5 [4.7]	5.5 [1.7]	21
ICR H2 – 4000W	SICR-40240L1/40277L1	8 [2.4]	16.5 [5.0]	6.5 [2.0]	29
		10 [3.1]	17.5 [5.3]	6.5 [2.0]	24
ICR H3 – 4500W	SICR-45240L1	9 [2.7]	18 [6.5]	6.5 [2.0]	29
		11 [3.4]	19 [5.8]	7 [2.1]	22
ICR H3 – 6000W	SICR-60240L1/60277L1	10 [3.1]	20.5 [6.2]	7.5 [2.3]	29
		12 [3.6]	22 [6.7]	8 [2.4]	23

*CEILING RECESS INSTALLATION REQUIRES cCSAus APPROVED TRIM KIT AND 1 HOUR FIRE RATED BOX(PROVIDED BY INSTALLER). FIRE RATED BOX DEFINED AS BOX WITH MINIMUM INTERIOR DIMENSIONS SHOWN IN ABOVE DIAGRAMS, MADE OF 1 HOUR FIRE RATED MATERIAL SUCH AS TYPE X DRYWALL OR SIMILAR. CONSULT LOCAL FIRE MARSHAL FOR FURTHER INFORMATION

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: ICR Trim Kit for recesses/flush mount applications, 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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