

Solaira[®]

ICR SERIES

ENGINEER AND ARCHITECT SPECIFICATION

ICR SERIES are engineered for:

COMMERCIAL HIGH OUTPUT RADIANT HEAT
LOW MOUNTING CLEARNACE TO CEILING (6" min)
RECESS APPLICATION
HIGH MOUNTING HEIGHT
CEILING SUSPENDEED OR WALL MOUNT

Solaira[™] high performance, waterproof, shortwave infrared heaters are certified and suitable for outdoor/indoor use in commercial/Industrial applications and outdoor residential applications. Solaira shortwave technology is ideal for environments that require high radiant heating efficiency or outdoor environments.

SOLAIRA ICR H3 Form Factor

- Up to 6.0kW, 208-240V
- Mounting Clearance, 99", up

SOLAIRA ICR H2 Form Factor

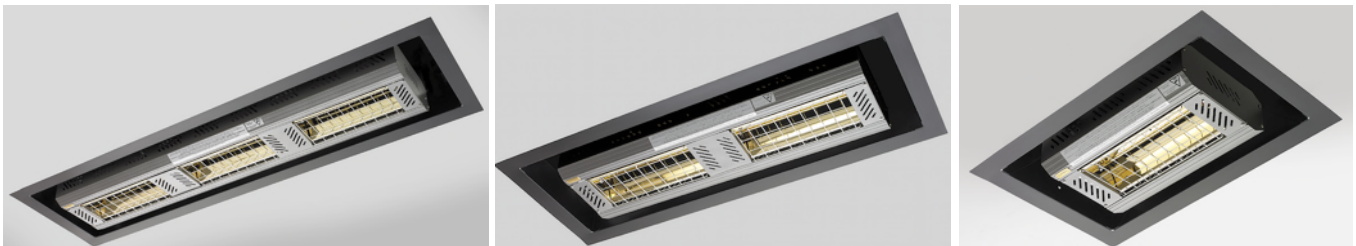
- Up to 4.0kW, 208-240V
- Mounting Clearance, 98", up

SOLAIRA ICR H1 Form Factor

- Up to 2.0kW, 208-240V
- Mounting Clearance, 79", up



SOLAIRA ICR H3, H2 and H1 with recess kit (required for recess application)



Trim Kit for H3 Part# SICR-H3-TRMG

Trim Kit for H2 Part# SICR-H2-TRMG

Trim Kit for H1 Part# SICR-H1-TRMG

Solaira ICR Series heaters will be cCSAus Listed for use in Canada and the U.S. and certified to UL 2021, 3rd edition Fixed and Location - Dedicated Electric Room Heaters-Electric and CSA C22.2 No. 46-13 Electric Air Heaters. Solaira ICR Series Heater may be wall hung, ceiling suspended OR recessed into ceiling structure per manufacturers recommended instruction manuals. Solaira ICR Series Heaters are suitable for indoor/outdoor in commercial industrial applications and outdoor use only in residential application. Solaira ICR series heaters are NOT suitable for indoor residential or household use.

Solaira ICR Series may be ceiling suspended, wall mounted or recessed into ceiling applications with recommended clearances and in the case of recess application, utilizing appropriate fire rated construction materials per instruction manuals.

Solaira ICR Series heaters will utilize only Solaira *short* wave emitter technology with peak infrared wavelength between 1000 – 1300 nm. Emitters will be manufactured utilizing tubular quartz with tungsten coil and shall be standard low glare or ultra low glare Candel[™], thermal shock resistant and will be terminated in a waterproof junction box attached to the fixture. Solaira ICR Series heaters will have safety guards on face of heater to protect against accidental contact with emitter lamp. **Controllable Heat** -Heaters can have variable heat control added as an option (see www.solairaheaters.com).

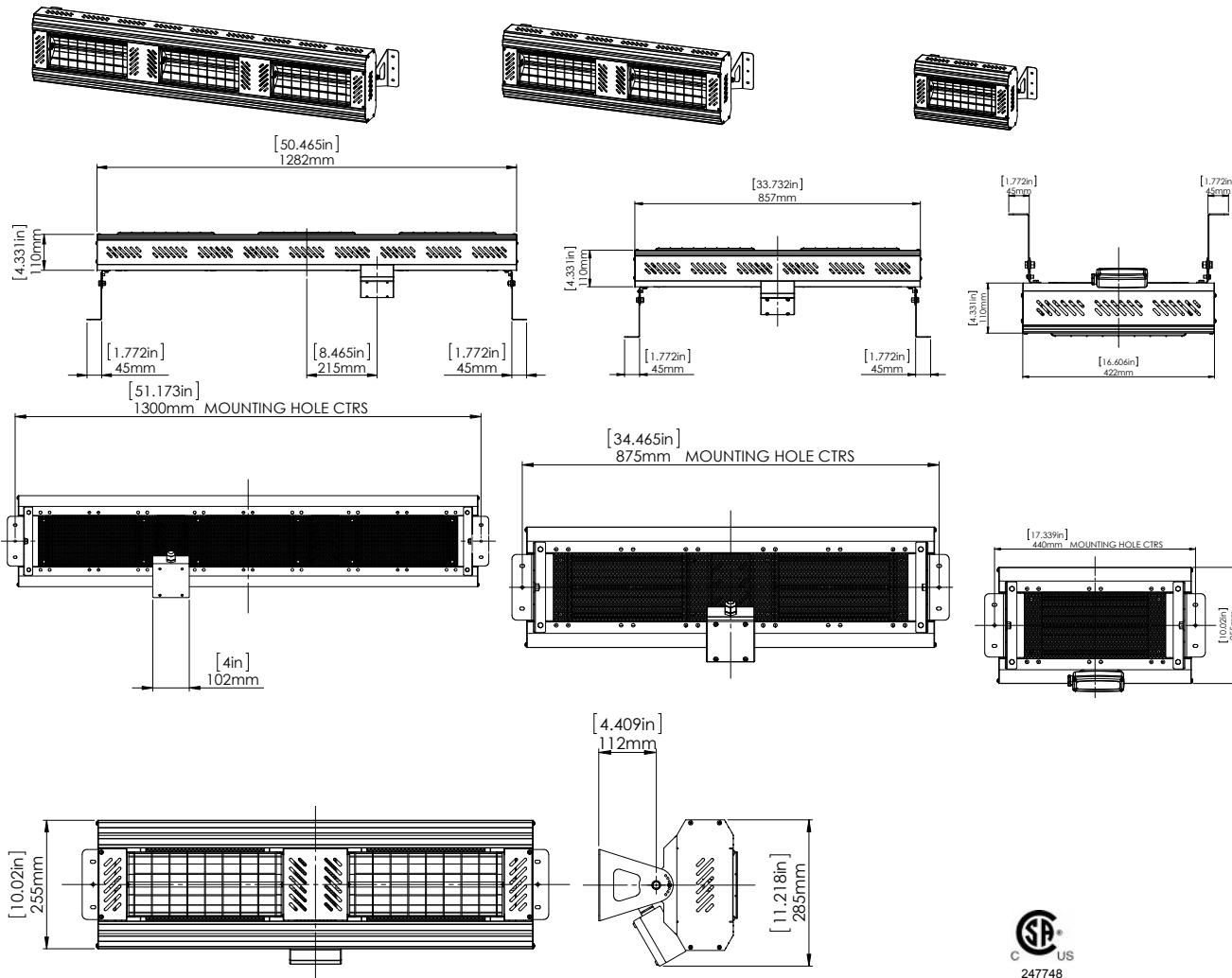
Solaira ICR Series heater enclosures and mounting brackets will be polyester powder coated, 0.9mm 1050 grade aluminum. Back mesh shall be Aluminum and accessories and all threaded hardware shall be stainless steel. Reflectors shall be gold coloured 87% reflectivity and manufactured from 0.8mm anodized aluminum. All units are supplied* with adjustable wall or ceiling mounting bracket, safety wire guard.

* Specifications subject to change without notice

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Solaira ICR H3 (6.0/4.5kW, 240) Solaira ICR H2 (4.0/3.0kW, 240) Solaira ICR H1 (1.5kW, 120V 2.0kW, 240)



TECHNICAL SPECIFICATION

MODEL	Total Power (WATTS)	Voltage (Volt)	Total Current (Amps)	Minimum Recommended height from floor (inches/cm)	Clearance to Ceiling	Clearance to side wall	Weight	Replacement Emitter
SICR60240G	6000/4500	240/208	25.0/21.6	120"/108" (305/274cm)	6" (15 cm)	59" (150cm)	17.6 lbs (8.0kg)	IWIRE20240
SICR45240G (LL)	4500/3375	240/208	18.8/16.2	108"/99" (274/250cm)	6" (15 cm)	40" (100cm)	17.6 lbs (8.0kg)	IWIRE15240
SICR40240G	4000/3000	240/208	16.7/14.4	108"/99" (274/250cm)	6" (15 cm)	40" (100cm)	13 lbs (6.0kg)	IWIRE20240
SICR30240G (LL)	3000/2250	240/208	12.5/10.8	98"/98" (250/250cm)	6" (15 cm)	40" (100cm)	13 lbs (6.0kg)	IWIRE15240
SICR20240G	2000/1500	240/208	8.3/7.2	79"/79" (201/201cm)	6" (15 cm)	40" (100cm)	6.6lbs (3.0kg)	IWIRE15240
SICR15120G	1500	120	12.5	79" 201cm	6" (15 cm)	40" (100cm)	6.6lbs (3.0kg)	IWIRE15120

Clearance from front of heater, all models: 72" (180cm)
NOTE: All models come standard with Low Glare Lamps, models marked (LL) are available with ultra Low Glare Candel_m emitters

- SICR-H3-TRMG Solaira ICR Series Trim Kit for H3 (6.0/4.5kW) (required for recess application per cCSAus approval)
- SICR-H2-TRMG Solaira ICR Series Trim Kit for H2 (4.0/3.0kW) (required for recess application per cCSAus approval)
- SICR-H1-TRMG Solaira ICR Series Trim Kit for H1 (2.0kW) (required for recess application per cCSAus approval)

SOLAIRA ICR SERIES SUBMITTAL

JOB NAME _____ JOB LOCATION _____
 ARCHITECT _____ ENGINEER _____
 CONTRACTOR _____ SUBMITTED BY _____ DATE _____
 ITEM SPEC _____ QTY _____ CONTROLS _____