

XL SLIM SERIES

The Solaira[®] XL Slim Series combines elegance and performance. The XL Slim Series outperforms the competition with unrivalled performance, robust construction and unmatched controllability. Whether it's a windy rooftop restaurant or cozy back patio, the XL will deliver powerful performance and architectural appeal. The XL Slim Series heaters produce short wavelength infrared heat—86% of consumed energy is transferred into instant, controllable, directional heat.

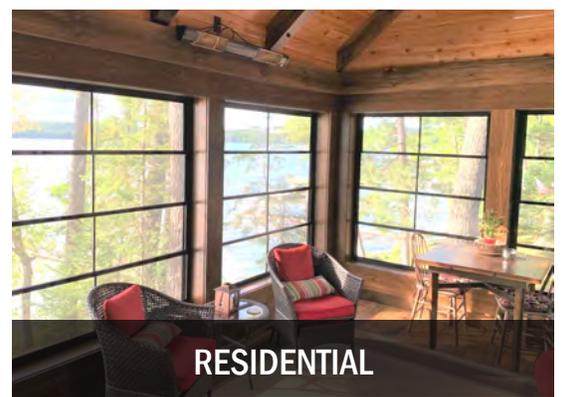
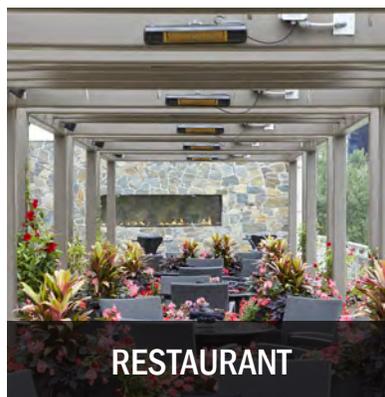


CERTIFIED TO
 UL 2021—Electric Air Heaters
 CSA 22.2 No.46-13—Electric Air Heaters



KEY FEATURES

- Available in 316 Marine Grade Stainless Steel, Black or White
- Up to 4,000W / 13,650 BTU per unit
- Ultra Low Light Infrared emitters and polished radiant reflectors
- IP55 Weather protection for fully exposed environments
- Fully adjustable mounting brackets and stainless steel hardware included
- Control systems for all applications—from simple stand-alone wall control to full BMS smart home integration with 0-10v input capability



DRIVEN BY ENGINEERING, DESIGN AND PERFORMANCE.

LEARN MORE AT WWW.SOLAIRAHEATERS.COM



Solaira[®]

The Architect and Engineers Choice

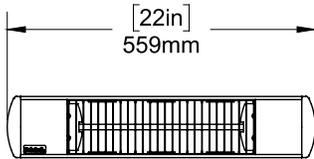
TECHNICAL DATA

CONFIGURATION	MODEL * = COLOR [W = SEMIGLOSS WHITE] [B = SEMIGLOSS BLACK] [SS = STAINLESS STEEL]	WATTS	BTU's	VOLTS	AMPS	INPUT POWER	WEIGHT	REPLACEMENT EMITTER
H1 HEATER Single Emitter	SCOSYXL15120L1* [B / W]	1500	5115	120	12.5	120 VAC 50/60 Hz, 1 Φ	6.2 lbs (2.8kg)	SWIRE15120
	SCOSYXL15240L1* [B / W]	1500	5115	240	6.3	208-240 VAC 50/60 Hz, 1 Φ		SWIRE15240-L1
		1125	3836	208	5.4			SWIRE20240-L1
	SCOSYXL20240BL1* [B / W / SS]	2000	6820	240	8.3	SWIRE20240-L1		
SCOSYXL20277* [B / SS]	1500	5115	208	7.2	277 VAC 50/60 Hz, 1 Φ	SWIRE20277		
H2 HEATER Double Emitter	SCOSYXL2-30240L1* [B / SS]	3000	10230	240	12.5	208-240 VAC 50/60 Hz, 1 Φ	13.2 lbs (6.0kg)	SWIRE15240-L1
		2250	7673	208	10.8			SWIRE20240-L1
	SCOSYXL2-40240L1* [B / SS]	4000	13640	240	16.7	SWIRE20240-L1		
		3000	10230	208	14.4	SWIRE20277		
SCOSYXL2-40277* [B / SS]	4000	13640	277	14.4	277 VAC 50/60 Hz, 1 Φ	SWIRE20277		

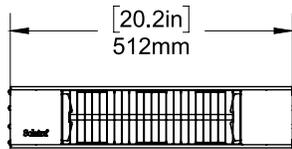
HEATERS RATED FOR 240V ARE APPROVED TO BE USED ON 208V CIRCUITS. HEATER OUTPUT WILL BE REDUCED BY APPROXIMATELY 25%.

HEATER DIMENSIONS

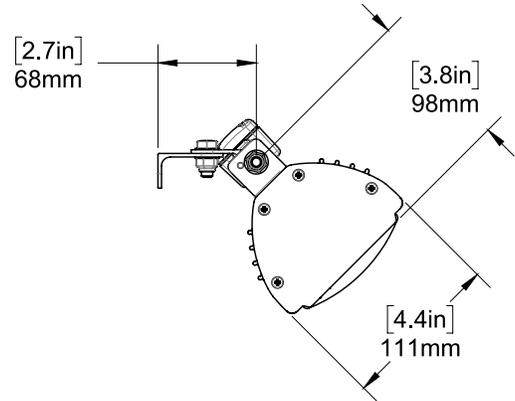
H1 HEATER
Single Emitter



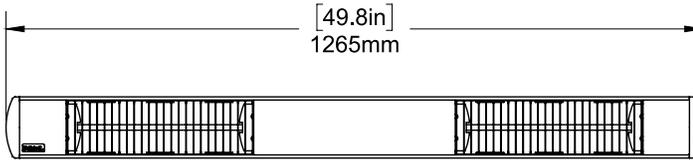
Powder coat finish



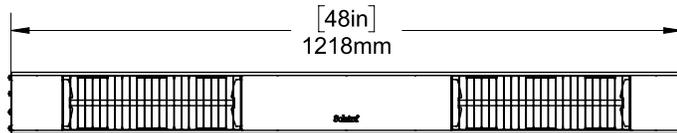
Stainless Steel finish



H2 HEATER
Double Emitter



Powder coat finish



Stainless Steel finish

HEATER CONSTRUCTION

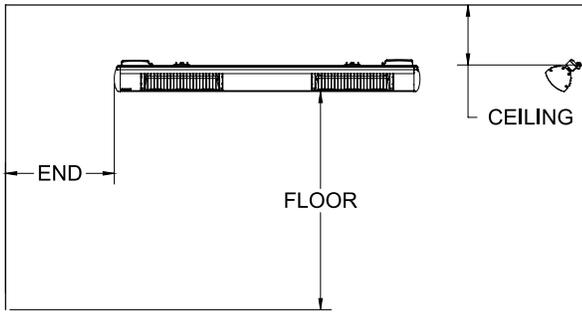
HEATER BODY	EMITTER	REFLECTOR	EMITTER GUARD	INGRESS PROTECTION	POWER SUPPLY
Aircraft Grade extruded aluminum	Solaira® Candel ultra low light emitter	Gold Anodized mirror polished aluminum	Nickel dipped Carbon Steel wire cage	IP-55 resistance for low pressure water jets	6'7 (2.0m) high temperature silicone leads

HEATER CLEARANCES

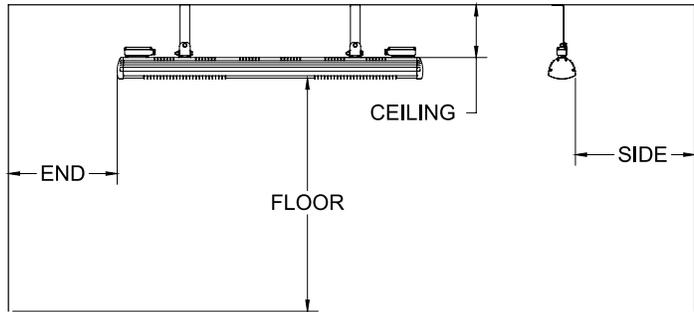
MINIMUM CLEARANCES TO ADJACENT SURFACES							
CONFIGURATION	MODEL	INPUT VOLTAGE	FLOOR	CEILING	ENDS	SIDES	MOUNTING OPTION
H1 HEATER	SCOSYXL15120	120V	6'7" (2.0m)	8.75" (220mm)	17" (430mm)	17" (430mm)	WALL CEILING
	SCOSYXL15240	240 / 208V	6'7" (2.0m)	8.75" (220mm)	17" (430mm)	17" (430mm)	
	SCOSYXL20240	240V	8' (2.4m)	8.75" (220mm)	25" (430mm)	25" (430mm)	
	SCOSYXL20240	208V	6'7" (2.0m)	8.75" (220mm)	17" (430mm)	17" (430mm)	
	SCOSYXL20277	277V	8' (2.4m)	8.75" (220mm)	25" (430mm)	25" (430mm)	
H2 HEATER	SCOSYXL2-30240	240V	8' (2.4m)	8.75" (220mm)	17" (430mm)	17" (430mm)	
	SCOSYXL2-40240	240V	8' (2.4m)	8.75" (220mm)	25" (430mm)	25" (430mm)	
	SCOSYXL2-40240	208V	8' (2.4m)	8.75" (220mm)	17" (430mm)	17" (430mm)	
	SCOSYXL2-40277	277V	8' (2.4m)	8.75" (220mm)	25" (430mm)	25" (430mm)	

NOTE: 240V rated heaters are approved for use on 208V circuits. When supplying 208V to a heater rated for 240V, heat output is reduced by 25%

WALL MOUNT



CEILING MOUNT

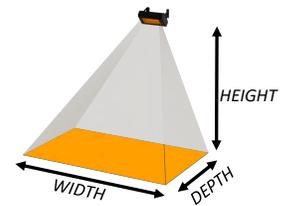


HEATER COVERAGE PATTERNS

H1 HEATER - Single Emmitter Coverage

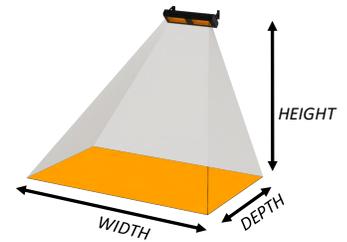
MODEL	MOUNTED AT	WIDTH	DEPTH	AVERAGE HEAT DENSITY
SCOSYXL (15120 / 15240)	8' (2.4m)	7.5' (2.3m)	4.5' (1.4m)	17 W/ft ²
SCOSYXL (20240 / 20277)	8' (2.4m)	9' (2.7m)	5.5' (1.7m)	17 W/ft ²

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



H2 HEATER - Double Emmitter Coverage

MODEL	MOUNTED AT	WIDTH	DEPTH	AVERAGE HEAT DENSITY
SCOSYXL2-30240	8' (2.4m)	11.5' (3.5m)	7' (2.1m)	20 W/ft ²
	10' (3.1m)	11.5' (3.5m)	6' (1.8m)	16 W/ft ²
SCOSYXL2-(40240 / 40277)	8' (2.4m)	12.5' (3.8m)	8.5' (2.6m)	22 W/ft ²
	10' (3.1m)	13.5' (4.1m)	8' (2.4m)	17 W/ft ²



FOR MOUNTING HEIGHTS 12' OR LESS, WALL AND CEILING MOUNT COVERAGE PATTERNS ARE SIMILAR

DATA-DRIVEN HEATER LAYOUTS

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 heatrise for a target area. Request a HEATSPEC Layout from your sales rep.

HEAT SPEC AVAILABLE



XL SLIM SERIES

CONTROLS

ON / OFF CONTROL

SMART Timer Controller

SMRTTIM40—16.6A
SMRTTIM60—25A



SMART Occupancy Controller

SMRTOCC40—16.6 A
SMRTOCC60—25 A



VARIABLE OUTPUT CONTROL

SMART Series Controller

SMART16-DV—16.6A
SMART34-DV—34A



FEATURES

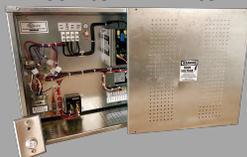
- Variable output
- Dual Voltage
- IP 65 ingress protection
- Onboard temperature monitor (SMaRT 34 only)
- cETL SPE 1000 Canada Inspected

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
- BMS, BACnet Ready 0-10DCv/4-20mA Input
- Lutron, Crestron, Control 4 ready
- Included Potentiometer for 100% controllability
- Breaker sub-panel by others as required
- UL 508 / CSA 22.2-286 Approved

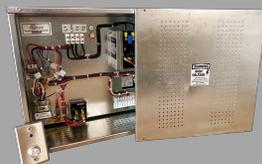
OMNIS Accessories

Part number	Description
PSST-MAXTIM	Multi-Functional Input Timer
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
- Custom load management, input and outputs
- UL 508 / CSA 22.2-286 Approved

OMNIS Accessories

Part number	Description
PSST-MAXTIM	Multi-Functional Input Timer
PSW-2BW	2 button Decora switch*
PSW-OS	Occupancy Sensor*
PSW-THERMV3	Adjustable Thermostat

*requires PSST-MAXTIM



ACCESSORIES

XL CEILING MOUNT BRACKETS

- SCOSYXL-CEILBKT-W [WHITE]
- SCOSYXL-CEILBKT-B [BLACK]
- SCOSYXL-CEILBKT-SS [STAINLESS STEEL]



CERTIFICATION



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

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

WARRANTY

FIXTURE: 3 years - workmanship and materials

EMITTER BULB: 1 year—workmanship and materials