

SW2 SERIES SHORT-WAVE

SUBMITTAL DATA ELECTRIC INFRARED SPACE HEATERS

SUBMITTED BY: _____

DATE: _____

JOB TITLE: _____

CONTRACTOR: _____

ADDRESS: _____

PHONE #: _____

CITY: _____

ADDRESS: _____

STATE: _____ ZIP: _____

CITY: _____

STATE: _____ ZIP: _____

ENGINEER: _____

PHONE: _____

LOCAL REPRESENTATIVE: _____

PHONE: _____

NOTES: _____

Qty.	Model Number*		Tag	Lamp Qty.	Indicate Lamp Type ¹	Volts	Watts	BTU'S	Amps	Overall Unit Length Inches (mm)	Ship Weight lbs (kg)	
	Black Powder Coat Housing	Stainless Steel Housing										
	SW2-24B1-A16#	SW2-24S1-A16#		1	Clear or Ruby	120	1,600	5,459	13.3	24 (610)	15 (6.8)	
	SW2-24B1-B16#	SW2-24S1-B16#			Clear or Ruby	208			7.69			
	SW2-24B1-C16#	SW2-24S1-C16#			Clear or Ruby	240			6.67			
	SW2-24B1-D16#	SW2-24S1-D16#			Clear or Ruby	277			5.77			
	SW2-24B1-G16#	SW2-24S1-G16#			Clear or Ruby	480			3.33			
	SW2-33B1-B25#	SW2-33S1-B25#			Clear or Ruby	208	2,500	8,530	12.02	33 (838)	19 (8.6)	
	SW2-33B1-C25#	SW2-33S1-C25#			Clear or Ruby	240			10.42			
	SW2-33B1-D25#	SW2-33S1-D25#			Clear or Ruby	277			9.02			
	SW2-33B1-G25#	SW2-33S1-G25#			Clear or Ruby	480			5.21			
	SW2-46B1-D25#	SW2-46S1-D25#			Clear or Ruby	277	3,200	10,919	11.55	46 (1169)	24 (10.8)	
	SW2-46B1-G36# †	SW2-46S1-G36# †			Clear or Ruby	480	3,650	12,454	7.60			
	SW2-46B1-H38# †	SW2-46S1-H38# †			Clear or Ruby	575	3,800	12,966	6.61			
	SW2-24B2-B16#	SW2-24S2-B16#			2	Clear or Ruby	208	3,200	10,919	15.38	24 (610)	20 (19)
	SW2-24B2-C16#	SW2-24S2-C16#		Clear or Ruby		240	13.33					
	SW2-24B2-D16#	SW2-24S2-D16#		Clear or Ruby		277	11.54					
	SW2-24B2-G16#	SW2-24S2-G16#		Clear or Ruby		480	6.67					
	SW2-33B2-B25#	SW2-33S2-B25#		Clear or Ruby		208	5,000	17,061	24.04	33 (838)	26 (11.8)	
	SW2-33B2-C25#	SW2-33S2-C25#		Clear or Ruby		240			20.83			
	SW2-33B2-D25#	SW2-33S2-D25#		Clear or Ruby		277			18.04			
	SW2-33B2-G25#	SW2-33S2-G25#		Clear or Ruby		480			10.42			
	SW2-46B2-D25#	SW2-46S2-D25#		Clear or Ruby		277	6,400	21,838	23.10	46 (1169)	32 (14.5)	
	SW2-46B2-G36# †	SW2-46S2-G36# †		Clear or Ruby		480	7,300	24,909	15.21			
	SW2-46B2-H38# †	SW2-46S2-H38# †		Clear or Ruby		575	7,600	25,932	13.22			
	SW2-24B3-B16#	SW2-24S3-B16#		3		Clear or Ruby	208	4,800	16,378	23.08	24 (610)	25 (11.4)
	SW2-24B3-C16#	SW2-24S3-C16#				Clear or Ruby	240			20.00		
	SW2-24B3-G16#	SW2-24S3-G16#			Clear or Ruby	480	10.00					
	SW2-33B3-D25#	SW2-33S3-D25#			Clear or Ruby	277	7,500	24,909	27.06	33 (838)	32 (14.5)	
	SW2-33B3-G25#	SW2-33S3-G25#			Clear or Ruby	480			15.63			
	SW2-46B3-G36# †	SW2-46S3-G36# †			Clear or Ruby	480	10,950	37,636	22.81	46 (1169)	40 (18.1)	
	SW2-46B3-H38# †	SW2-46S3-H38# †			Clear or Ruby	575	11,400	38,933	19.83			

† Ships truckline only.

DETROIT RADIANT PRODUCTS CO.



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VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- CAD/Revit Library
- Design Guidelines
- Theory of Infrared
- and More!

SW2 SPECIFICATIONS



HEATER CONSTRUCTION (Choose)

- Black powder-coat aluminized steel housing.
- 304 brushed stainless steel housing for added durability and corrosion resistance.
- High temperature nylon louvered end caps.

LAMP ELEMENTS

- Coiled tungsten filament housed within a sealed quartz tubing.
- Stainless Steel end caps.
- Instantaneous heat-up & cool-down.
- Clear quartz.
- Optional glare reduction ruby quartz.

CONTROLS

- Field supplied.

ELECTRICAL SUPPLY

- Voltages from 120 to 575 VAC.
- Single-phase or three-phase.
- 1,600 to 3,800 W per element.

MOUNTING

- 0° to 45° adjustable brackets.

REFLECTORS

- Gold colored, anodized aluminum reflectors reduces visible light glare.
- Wide, symmetric design.

APPROVALS

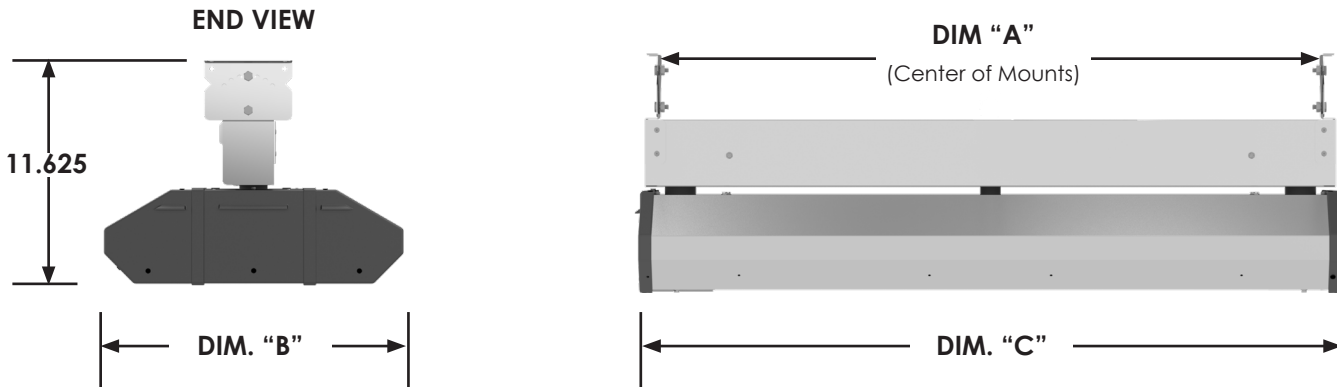
- ETL Listed for indoor and outdoor commercial, outdoor residential.
- CSA 22.2 #46 - M1988.
- UL 2021, 1997.

LIMITED WARRANTY

- All components - 1 year.
- Please contact the factory for further information on the terms and conditions.*

FIELD DATA

DIMENSIONAL INFORMATION



MODEL NUMBER	LAMP QTY.	DIM A INCHES (MM)	DIM B INCHES (MM)	DIM C INCHES (MM)
SW2-24	1	23.50 (596.9)	9.625 (244.475)	24.50 (622.3)
	2		15.25 (387.35)	
	3		21.00 (533.4)	
SW2-33	1	32.50 (825.5)	9.625 (244.475)	33.50 (850.9)
	2		15.25 (387.35)	
	3		21.00 (533.4)	
SW2-46	1	45.50 (1155.7)	9.625 (244.475)	46.50 (1181.1)
	2		15.25 (387.35)	
	3		21.00 (533.4)	

OPTIONAL ACCESSORIES

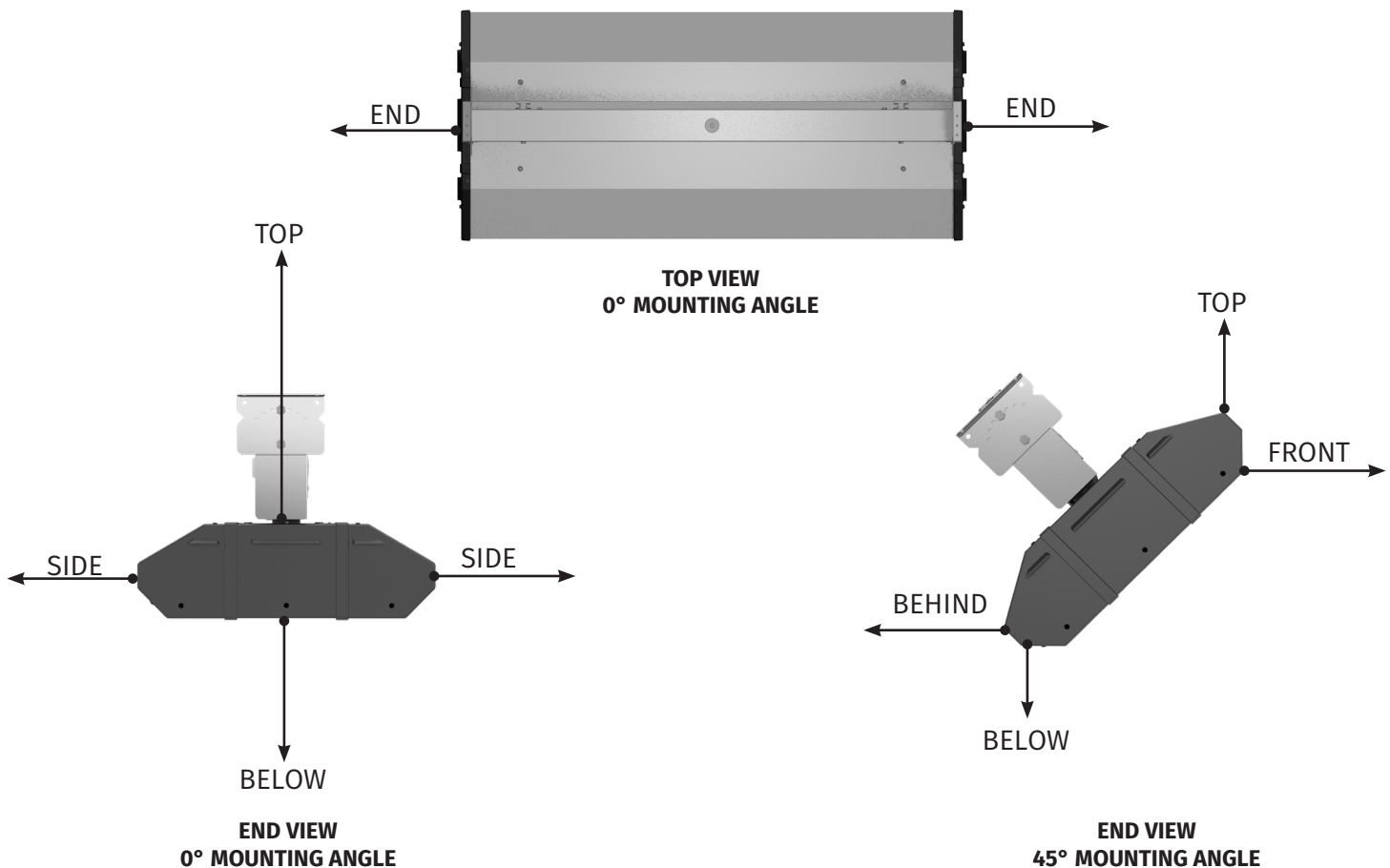
QTY.	PART #	DESCRIPTION	NOTES
	EL-WMB	Wall Mounting Brackets	Designed to support heater in a sidewall mounting application.
	EL-WG	Wire Guard	Protects lamps and reflective surfaces from objects and debris.

CLEARANCES TO COMBUSTIBLES IN INCHES (MM)

Length	Mounting Angle	Side		End	Top	Below
		Front	Behind			
Single Element						
24" 33" 46"	0°	16 (407)	16 (407)	12 (305)	6 (153)	56 (1423)
	45°	47 (1194)	4 (102)	12 (305)	10 (254)	40 (1016)
Double Element						
24" 33" 46"	0°	28 (712)	28 (712)	26 (661)	6 (153)	86 (2185)
	45°	86 (2185)	4 (102)	26 (661)	10 (254)	86 (2185)
Triple Element						
24" 33" 46"	0°	31 (788)	31 (788)	34 (864)	9 (229)	105 (2667)
	45°	105 (2667)	4 (102)	34 (864)	10 (254)	105 (2667)

* Heaters mounted on an angle between 0° and 45° must maintain clearances posted for 0° or 45°, whichever is greater.

NOTE: Ensure that building materials with low heat tolerance (i.e., awnings, fabrics, plastics, sprinklers, insulation, etc.) are protected against degradation. This may require the heater to be mounted at a distance in excess of the published clearances to combustibles. Contact the material manufacturer for specific details.



WRITTEN SPECIFICATIONS

SW2 SERIES INFRARED HEATER PARAMETER/SPECIFICATIONS

- Short-wave electric infrared heaters shall be furnished and installed in accordance with governing codes and as shown per drawing(s) provided. Short-wave electric heaters shall be **RE-VERBER-RAY® SW2 Series**, as manufactured by Detroit Radiant Products Company, Warren, MI 48089.
- Short-wave infrared heaters shall be Designed Certified by ETL and bear the ETL Seal of Certification for the United States and Canada.
- The supplier shall provide manufacturer's published warranty covering all components utilized in the heater control assembly for a period of one (1) year.
- The supplier shall furnish the owner/contractor with _____ copies of the engineering specification form, showing physical dimensions, installation detail, recommendations, wiring diagrams, and spare parts list.
- An Installation, Operation, Maintenance and Parts Manual (IOPM) shall be supplied with each heater.
- The manufacturer shall have a minimum of 50 years of manufacturing experience producing infrared heaters.
- Short-wave infrared heaters must be ETL Listed to operate at the designated rating of _____kW/h.
- Electric short-wave infrared space heaters shall be supplied and installed in accordance with the manufacturers certified installation instructions and governing codes, as shown per building drawing(s) _____. Heaters shall be SW2 Series, model numbers, input ranges in Watts.

SW2 SERIES INFRARED HEATER CONTROLS

- Field supply applicable controls.
- Heaters shall operate in given voltages:

<u>Volt</u>	<u>Phase</u>	<u>Hertz</u>
120V	1ph	50/60
208V	1ph or 3ph	50/60
240V	1ph or 3ph	50/60
480V	1ph or 3ph	50/60
575V	1ph or 3ph	50/60

- Heaters shall operate in given wattage inputs of 1,600 to 11,400.

SW2 SERIES INFRARED HEATER CONSTRUCTION

- The heater housing shall be constructed of either black powder-coated aluminized steel or 304 brushed stainless steel.
- The heater shall include high temperature nylon louvered end caps.
- The heater reflector shall have a multi-faceted design and be constructed of gold colored, anodized aluminum for the purpose of reducing visible light glare.
- The emitter tubing shall be quartz with a tungsten element and stainless steel end caps.
- The quartz tubing shall be clear in color allowing maximum radiant heat transfer, or have a ruby red sleeve for reduced glare while still allowing maximum radiant heat transfer.
- The optional protective grill shall be bright zinc coated.
- Optional factory supplied mounting brackets shall accommodate for sidewall or ceiling mounting.