

Submittal Data

eSchwank Titan Series

Electric Short Wave Infrared Indoor / Outdoor Heaters

Project

Schwank models #

Voltage

Date submitted

Features

Approvals / Certificates

cETLus Certification.

Heating Elements

Ultra-low-glow short wave bulbs.

Heater Materials

Casing: Marine grade aluminum alloy, with black powder coating.

Standard color: Powder coated black.

Optional Front grille: chrome plated steel.

Warranty

2-year warranty on components and parts.

Power Supply

240V / 480V / 600V / 3PH

Wiring components UL/CUL/CE listed for outdoor use with IP65 minimum rating.

Mounting

Standard wall/ceiling mounting bracket included.

Electrical connections

Conduit fitting included.

Copper wire suitable for 90°C (194°F) must be used.

Controls

- Schwank.ONE.
- Contactor panel for multiple heaters ON/ OFF control.
- ON/OFF control.

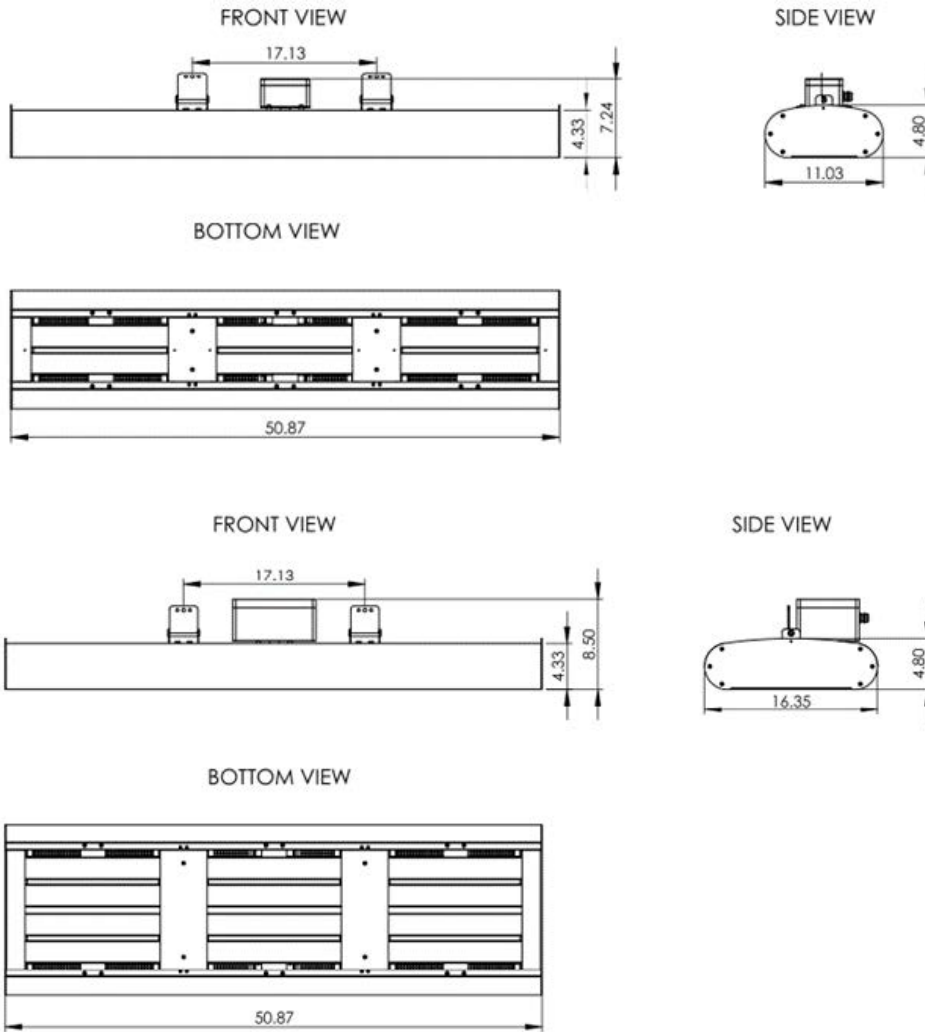


Read the
I&O Manual

Performance

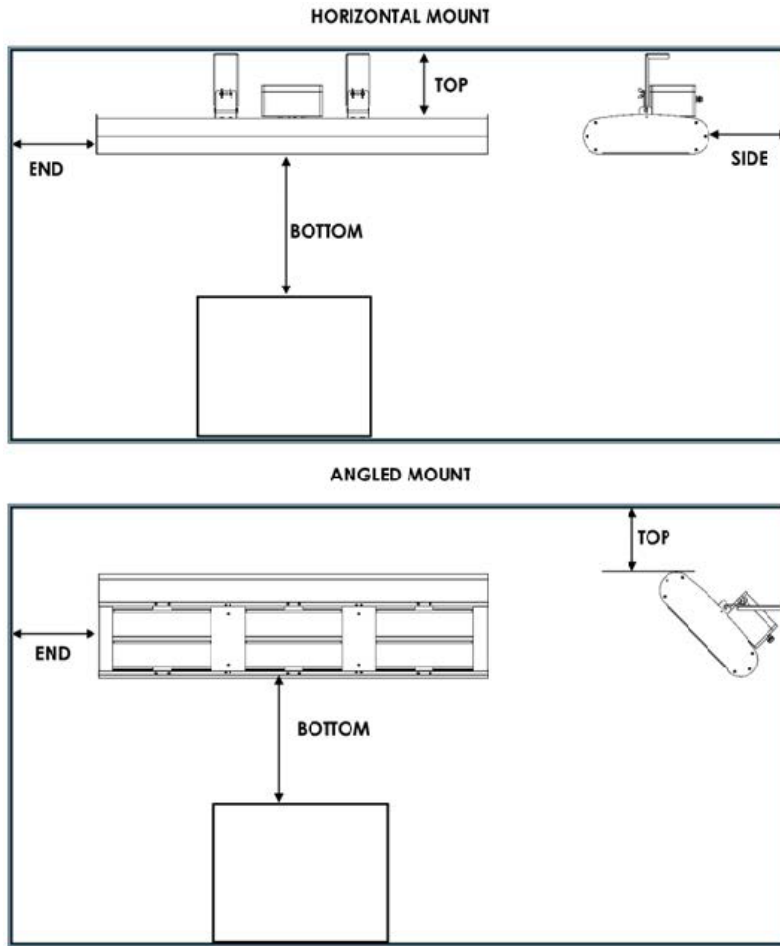
Tag	Qty	Model Number	Length (in)	Length (cm)	Watts (BTU/h)	Mounting height	Volts (Phase)	Amps	Ship. Wt. (lbs)
		ESS-6051-20	50.87	129	6000 (20472)	10 - 17 ft	208 (3PH)	16.7	25.8
		ESS-6051-48	50.87	129	6000 (20472)	10 - 17 ft	480 (3PH)	7.2	25.8
		ESS-6051-60	50.87	129	6000 (20472)	10 - 17 ft	600 (3PH)	5.8	25.8
		ESS-12051-48	50.87	129	12000 (40944)	12 - 20 ft	480 (3PH)	14.4	35.7
		ESS-12051-60	50.87	129	12000 (40944)	12 - 20 ft	600 (3PH)	11.6	35.7

Dimensions



Clearance to Combustibles:

The clearance to combustible material represents the minimum distance that must be maintained between the heater and a nearby combustible surface. The stated clearance to combustibles represents a surface temperature of 117°F (65°C) above room temperature. Some materials, such as awnings or plastic, may require higher clearances. It is the installer's responsibility to ensure that building materials with a low heat tolerance, which may degrade at lower temperatures, are protected to prevent degradation.



Tag	Qty	Model	Mounting	Top	Bottom	End	Side
		ESS-6051	Horizontal	8"	60"	30"	24" (61 cm)
			Angle	(20 cm)	(152 cm)	(76 cm)	N/A
		ESS-12051	Horizontal	8"	72"	30"	24" (61 cm)
			Angle	(20 cm)	(183 cm)	(76 cm)	N/A

ON/OFF Controls

Tag	Qty	Item Number	Description	Electrical Voltage	Amps
		JM-4501-XX	1/3 PH Electric heater disconnect switch, wall mount, 600V, 40A	Up to 600V	40A

Contactor Panel

Tag	Qty	Item Number	Description	Dimensions
		ECP-C02-2050	2 Contactors control panel, 1/3 PH electric heater, 208V, 50A fuses	18 x 16 x 10
		ECP-C03-2050	3 Contactors control panel, 1/3 PH electric heater, 208V, 50A fuses	24 x 24 x 10
		ECP-C04-2050	4 Contactors control panel, 1/3 PH electric heater, 208V, 50A fuses	
		ECP-C02-4840	2 Contactors control panel, 1/3 PH electric heater, 480V, 40A fuses	18 x 16 x 10
		ECP-C03-4840	3 Contactors control panel, 1/3 PH electric heater, 480V, 40A fuses	24 x 24 x 10
		ECP-C04-4840	4 Contactors control panel, 1/3 PH electric heater, 480V, 40A fuses	
		ECP-C02-6030	2 Contactors control panel, 1/3 PH electric heater, 600V, 30A fuses	14 x 12 x 7
		ECP-C03-6030	3 Contactors control panel, 1/3 PH electric heater, 600V, 30A fuses	18 x 16 x 10
		ECP-C04-6030	4 Contactors control panel, 1/3 PH electric heater, 600V, 30A fuses	

Accessories

Tag	Qty	Item Number	Description	Dimensions
		JE-0602-KT	3 Pcs kit, front protection grille for ESS-XX51 heater.	

Additional Items

Tag	Qty	Part #	Description