

TH & THSS Series Mul-T-Mount Electric Infrared Heater

*Overhead Infrared Heaters for Snow & Ice Control, Outdoor Spot Heating
& All Indoor Heating Applications*

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Product Description

*AVAILABLE IN 2 OR 3 LAMP BANKERS BRONZE
OR STAINLESS STEEL FINISH.*

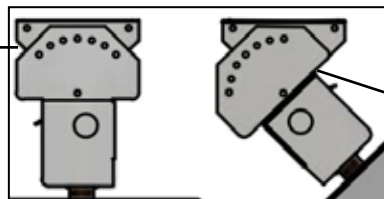


- Listed for suspended, totally exposed (outdoor), high-bay (indoor) comfort heating and exterior snow & ice control applications.
- Listed for recessed applications.
- 20 gauge powder coated steel or stainless steel housings.
- Gold anodized Aluminum reflectors & end caps.
- 50% higher wattage densities for 3-element units.
- 2-Lamp wiring, single phase.
- 3-Lamp wiring, three or single phase.
- Stainless steel models have non-corrosive housing, hardware and brackets; no ferrous metals used in the unit. Durable in harsh atmospheres & outdoor environments.
- High temperature lead wires.
- Clear 12mm diameter Quartz Lamp(s) Included.
- Elements provide a bright light, generating 8-lumens per watt.
- Made in U.S.A.

Features:

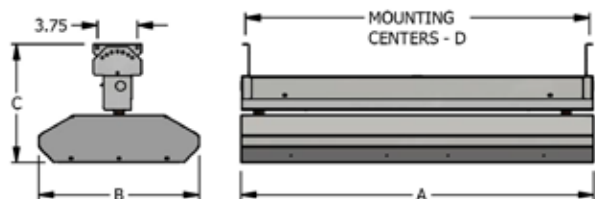
In-Built surface mounting brackets allows for fixture adjustment up to 45° horizontal tilt.

In-built surface mounting brackets attached to the top wiring channel.



0 to 45° tilt @ 15° increments

Product Dimensions



MUL-T-MOUNT SERIES	DIMENSIONS (IN.)			
	"A" LENGTH	"B" WIDTH	"C" HEIGHT	"D" MTG.CTR.
222	24"	15"	11"	23 ½"
223	24"	21 ½"	11"	23 ½"
342	33"	15"	11"	32 ½"
343	33"	21 ½"	11"	32 ½"
462	46"	15"	11"	45 ½"
463	46"	21 ½"	11"	45 ½"

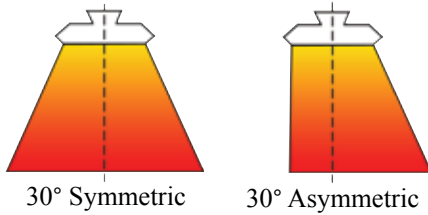
Mounting Clearances & Recommended Mounting Height

Mounting Clearances		Recommended Mounting Height	
2 & 3 Lamp Models	3" from ceiling	30° Symmetric & A30° Asymmetric Reflector - Indoor	14' - 30'
	24" from vertical surface	60° Symmetric & A60° Asymmetric Reflector - Indoor	12' - 18'
2 Lamp Models	72" from face of heater to combustible surface	90° Symmetric Reflector - Indoor	8' - 12'
3 Lamp Models	96" from face of heater to combustible surface	30° Symmetric & A30° Asymmetric Reflector - Outdoor	8' - 10'

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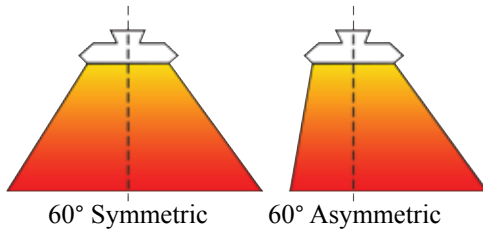
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Reflector Patterns



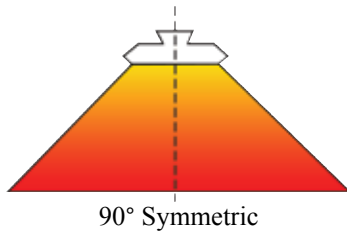
30° Symmetric

30° Asymmetric



60° Symmetric

60° Asymmetric



90° Symmetric

Product Specifications

Series:

222, 342, 462 (Painted Version) 2-lamp — TH Series

222, 342, 462 (Stainless Steel Version) 2-lamp — THSS Series

223, 343, 463 (Stainless Steel Version) 3-lamp — THSS Series

Housing:

20 gauge Galvanized Steel with baked on bankers bronze powder coated finish. 20 gauge Stainless Steel for durability and corrosion-resistance. Both housings are ETL Listed for either indoor and totally exposed outdoor applications.

Reflectors and End Caps:

.040 Gold anodized Aluminum reflectors and end caps for superior reflectivity. Five choices of reflector patterns including 30 degree narrow (symmetric & asymmetric), 60 degree medium (symmetric & asymmetric), and 90 degree wide (symmetric). THSS models have stainless steel endcaps.

Elements:

Clear quartz lamps. Coiled tungsten filament located within a sealed quartz envelope, halogen filled, with porcelain end caps and 6" wire pigtail leads. Elements are 12mm in diameter and deliver a 96% radiant efficiency with high moisture and thermal shock resistance. Instantaneous heat-up and cool-down performance. Available wattages from 1600 to 3650 Watts per element. Available voltages from 208 to 600 Volts.

Controls:

Mul-T-Mount heaters are not manufactured with any control device on the unit. All controls are accessories and should be specified as such. Please consult the technical sales department of factory for help in determining applicable controls. Please follow installation instructions that accompany each heater.

Accessories:

Recessed mounting frames (painted or stainless steel), adjustable mounting brackets (stainless steel only), vertical mounting brackets (stainless steel only), wire guards, thermostats, snow detectors, SCR controllers, and power contactor panels (ICP Series).

Sizing Chart

Reflective Pattern (°)	Heater Output (kW)	# of Qtz. Lamps	Mounting Heights (FT.)							Watts Delivered per Square Foot						
			8	10	12	14	16	18	20	Mounting Heights (FT.)						
			Heat Pattern Coverage @ Floor Level							8	10	12	14	16	18	20
			L x W	L x W	L x W	L x W	L x W	L x W	L x W							
30°	3.2	2 - Quartz Lamp Heaters	5.5 x 4	6.5 x 5.5	7.5 x 6.5	8.5 x 7.5	9.5 x 8.5	10.5 x 9.5	11.5 x 10.5	145.5	89.5	65.6	50.2	39.6	32.1	26.5
60°	3.2		10.5 x 9.5	13 x 12	15 x 14	17 x 16	N / R	N / R	N / R	32.1	20.5	15.2	11.8	-	-	-
90°	3.2		17 x 16	21 x 20	N / R	N / R				11.8	7.6	-	-	-	-	-
30°	5.0		6 x 4	7.5 x 5.5	8.5 x 6.5	9.5 x 7.5	10.5 x 8.5	11.5 x 9.5	12.5 x 10.5	208.3	121.2	90.5	70.2	56.0	45.8	38.1
60°	5.0		11.5 x 9.5	14 x 12	16 x 14	18 x 16	20.5 x 18.5	23 x 21	N / R	45.8	29.8	22.3	17.4	13.2	10.4	-
90°	5.0		18 x 16	22 x 20	26 x 24	N / R	N / R	N / R		17.4	11.4	8.0	-	-	-	-
30°	7.3		N / R	8.5 x 5.5	9.5 x 6.5	10.5 x 7.5	11.5 x 8.5	12.5 x 9.5	13.5 x 10.5	-	156.1	118.2	92.7	74.7	61.5	51.5
60°	7.3		12 x 10.5	15 x 12	17 x 14	19 x 16	21.5 x 18.5	24 x 21	N / R	57.9	40.6	30.7	24.0	18.4	14.5	-
90°	7.3		19 x 16	23 x 20	27 x 24	N / R	N / R	N / R		24.0	15.9	11.3	-	-	-	-
30°	4.8	3 - Quartz Lamp Heaters	5.5 x 5	6.5 x 6.5	7.5 x 7.5	8.5 x 8.5	9.5 x 9.5	10.5 x 10.5	11.5 x 11.5	174.5	113.6	85.3	66.4	53.2	43.5	36.3
60°	4.8		10.5 x 10.5	13 x 13	15 x 15	17 x 17	21 x 21	N / R	N / R	43.5	28.4	21.3	16.6	10.9	-	-
90°	4.8		17 x 17	21 x 21	N / R	N / R	N / R			16.6	10.9	-	-	-	-	-
30°	7.5		N / R	7.5 x 6.5	8.5 x 7.5	9.5 x 8.5	10.5 x 9.5	11.5 x 10.5	12.5 x 11.5	-	153.8	117.6	92.9	75.2	62.1	52.2
60°	7.5		11.5 x 10.5	14 x 13	16 x 15	18 x 17	20.5 x 19.5	23 x 22	N / R	62.1	41.2	31.3	24.5	18.8	14.8	-
90°	7.5		18 x 17	22 x 21	26 x 25	N / R	N / R	N / R		24.5	16.2	11.5	-	-	-	-
30°	10.95		N / R	8.5 x 6.5	9.5 x 7.5	10.5 x 8.5	11.5 x 9.5	12.5 x 10.5	13.5 x 11.5	-	198.2	153.7	122.7	100.2	83.4	70.5
60°	10.95		12 x 11	15 x 13	17 x 15	19 x 17	21.5 x 19.5	24 x 22	N / R	83.0	56.2	42.9	33.9	26.1	20.7	-
90°	10.95		19 x 17	23 x 21	27 x 25	N / R	N / R	N / R	N / R	33.9	22.7	16.2	-	-	-	-

NOTE: This chart provides the same heat pattern coverage for all Mul-T-Mount Heater Series regardless of housing materials, added sleeve, or element diameter.

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2-Lamp Mul-T-Mount Series - Bankers Bronze Or Stainless Steel With (2) Clear 8mm Quartz Lamps and Amber Gray Sleeves Included

BROWN HOUSING		STAINLESS STEEL HOUSING		KW	BTUs	VOLTS	REFLECTOR PATTERN	8mm DIAMETER REPLACEMENT LAMP	WT. (LBS)
MFG CATALOG NUMBER	MFG MODEL NUMBER	MFG CATALOG NUMBER	MFG MODEL NUMBER						
04900002	222-30-TH-208V-AG	04904002	222-30-THSS-208V-AG	3.2	10,922	208	30° Symmetrical	04912802	20
04900102	222-30-TH-240V-AG	04904102	222-30-THSS-240V-AG			240		04912902	
04900202	222-30-TH-277V-AG	04904202	222-30-THSS-277V-AG			277		04913002	
04900302	222-30-TH-480V-AG	04904302	222-30-THSS-480V-AG			480		04913102	
04900402	222-A30-TH-208V-AG	04904402	222-A30-THSS-208V-AG			208	30° Asymmetrical	04912802	
04900502	222-A30-TH-240V-AG	04904502	222-A30-THSS-240V-AG			240		04912902	
04900602	222-A30-TH-277V-AG	04904602	222-A30-THSS-277V-AG			277		04913002	
04900702	222-A30-TH-480V-AG	04904702	222-A30-THSS-480V-AG			480		04913102	
04900802	222-60-TH-208V-AG	04904802	222-60-THSS-208V-AG			208	60° Symmetrical	04912802	
04900902	222-60-TH-240V-AG	04904902	222-60-THSS-240V-AG			240		04912902	
04901002	222-60-TH-277V-AG	04905002	222-60-THSS-277V-AG			277		04913002	
04901102	222-60-TH-480V-AG	04905102	222-60-THSS-480V-AG			480		04913102	
04901202	222-A60-TH-208V-AG	04905202	222-A60-THSS-208V-AG			208	60° Asymmetrical	04912802	
04901302	222-A60-TH-240V-AG	04905302	222-A60-THSS-240V-AG			240		04912902	
04901402	222-A60-TH-277V-AG	04905402	222-A60-THSS-277V-AG			277		04913002	
04901502	222-A60-TH-480V-AG	04905502	222-A60-THSS-480V-AG			480		04913102	
04901602	222-90-TH-208V-AG	04905602	222-90-THSS-208V-AG			208	90° Symmetrical	04912802	
04901702	222-90-TH-240V-AG	04905702	222-90-THSS-240V-AG			240		04912902	
04901802	222-90-TH-277V-AG	04905802	222-90-THSS-277V-AG			277		04913002	
04901902	222-90-TH-480V-AG	04905902	222-90-THSS-480V-AG			480		04913102	
04902002	342-30-TH-208V-AG	04906002	342-30-THSS-208V-AG	5.0	17,065	208	30° Symmetrical	04913202	25
04902102	342-30-TH-240V-AG	04906102	342-30-THSS-240V-AG			240		04913302	
04902202	342-30-TH-480V-AG	04906202	342-30-THSS-480V-AG			480		04913502	
04902302	342-A30-TH-208V-AG	04906302	342-A30-THSS-208V-AG			208	30° Asymmetrical	04913202	
04902402	342-A30-TH-240V-AG	04906402	342-A30-THSS-240V-AG			240		04913302	
04902502	342-A30-TH-480V-AG	04906502	342-A30-THSS-480V-AG			480		04913502	
04902602	342-60-TH-208V-AG	04906602	342-60-THSS-208V-AG			208	60° Symmetrical	04913202	
04902702	342-60-TH-240V-AG	04906702	342-60-THSS-240V-AG			240		04913302	
04902802	342-60-TH-480V-AG	04906802	342-60-THSS-480V-AG			480		04913502	
04902902	342-A60-TH-208V-AG	04906902	342-A60-THSS-208V-AG			208	60° Asymmetrical	04913202	
04903002	342-A60-TH-240V-AG	04907002	342-A60-THSS-240V-AG			240		04913302	
04903102	342-A60-TH-480V-AG	04907102	342-A60-THSS-480V-AG			480		04913502	
04903202	342-90-TH-208V-AG	04907202	342-90-THSS-208V-AG			208	90° Symmetrical	04913202	
04903302	342-90-TH-240V-AG	04907302	342-90-THSS-240V-AG			240		04913302	
04903402	342-90-TH-480V-AG	04907402	342-90-THSS-480V-AG			480		04913502	
04903502	462-30-TH-480V-AG	04907502	462-30-THSS-480V-AG	7.3	24,915	480	30° Symmetrical	04913602	32
04903602	462-A30-TH-480V-AG	04907602	462-A30-THSS-480V-AG				30° Asymmetrical	04913602	
04903702	462-60-TH-480V-AG	04907702	462-60-THSS-480V-AG				60° Symmetrical	04913602	
04903802	462-A60-TH-480V-AG	04907802	462-A60-THSS-480V-AG				60° Asymmetrical	04913602	
04903902	462-90-TH-480V-AG	04907902	462-90-THSS-480V-AG				90° Symmetrical	04913602	

NOTE: Consult the factory, the product instruction manual, or a licensed electrician for 3-phase wiring of all 2-element heaters.