

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.*

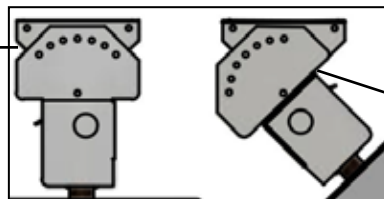


- Listed for suspended, totally exposed (outdoor), high-bay (indoor) comfort heating and exterior snow & ice control applications.
- Listed for recessed applications.
- 20 gauge powder coated steel or stainless steel housings.
- Gold anodized Aluminum reflectors & end caps.
- 50% higher wattage densities 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:

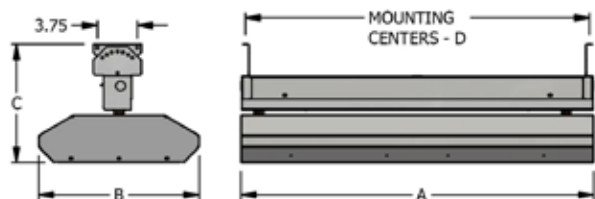
In-Built surface mounting brackets allows for fixture adjustment up to 45° horizontal tilt.

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"

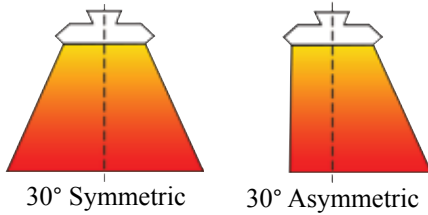
Mounting Clearances & Recommended Mounting Height

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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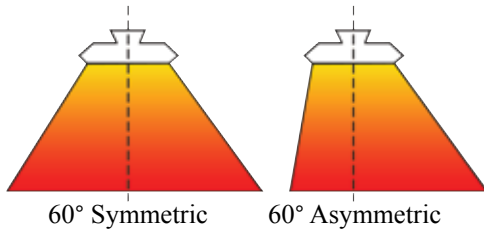
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Reflector Patterns



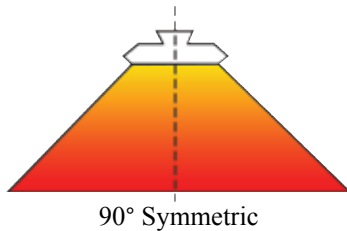
30° Symmetric

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).

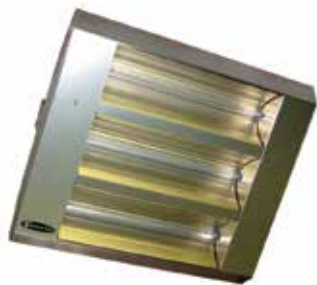
Sizing Chart

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	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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**3-Lamp Mul-T-Mount Series - Bankers Bronze Or Stainless Steel Housing
With (3) Clear 8mm Quartz Lamps and Amber Gray Sleeves Included**



NOTE:

- Heaters shipped with glare reducing sleeves & elements
- Same features and specifications as shown on pages 68 & 69.
- Asymmetrical pattern units are also available for 30° & 60°
- Made in U.S.A.

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						
04908002	223-30-TH-208V-AG	04910402	223-30-THSS-208V-AG	4.8	16,382	208	30° Symmetrical	04912802	25
04908102	223-30-TH-240V-AG	04910502	223-30-THSS-240V-AG			240		04912902	
04908202	223-30-TH-277V-AG	04910602	223-30-THSS-277V-AG			277		04913002	
04908302	223-30-TH-480V-AG	04910702	223-30-THSS-480V-AG			480		04913102	
04908402	223-60-TH-208V-AG	04910802	223-60-THSS-208V-AG			208	60° Symmetrical	04912802	
04908502	223-60-TH-240V-AG	04910902	223-60-THSS-240V-AG			240		04912902	
04908602	223-60-TH-277V-AG	04911002	223-60-THSS-277V-AG			277		04913002	
04908702	223-60-TH-480V-AG	04911102	223-60-THSS-480V-AG			480		04913102	
04908802	223-90-TH-208V-AG	04911202	223-90-THSS-208V-AG			208	90° Symmetrical	04912802	
04908902	223-90-TH-240V-AG	04911302	223-90-THSS-240V-AG			240		04912902	
04909002	223-90-TH-277V-AG	04911402	223-90-THSS-277V-AG			277		04913002	
04909102	223-90-TH-480V-AG	04911502	223-90-THSS-480V-AG			480		04913102	
04909202	343-30-TH-208V-AG	04911602	343-30-THSS-208V-AG	7.5	25,298	208	30° Symmetrical	04913202	33
04909302	343-30-TH-240V-AG	04911702	343-30-THSS-240V-AG			240		04913302	
04909402	343-30-TH-480V-AG	04911802	343-30-THSS-480V-AG			480		04913502	
04909502	343-60-TH-208V-AG	04911902	343-60-THSS-208V-AG			208	60° Symmetrical	04913202	
04909602	343-60-TH-240V-AG	04912002	343-60-THSS-240V-AG			240		04913302	
04909702	343-60-TH-480V-AG	04912102	343-60-THSS-480V-AG			480		04913502	
04909802	343-90-TH-208V-AG	04912202	343-90-THSS-208V-AG			208	90° Symmetrical	04913202	
04909902	343-90-TH-240V-AG	04912302	343-90-THSS-240V-AG			240		04913302	
04910002	343-90-TH-480V-AG	04912402	343-90-THSS-480V-AG			480		04913502	
04910102	463-30-TH-480V-AG	04912502	463-30-THSS-480V-AG	10.95	37,372	480	30° Sym.	04913602	41
04910202	463-60-TH-480V-AG	04912602	463-60-THSS-480V-AG				60° Sym.	04913602	
04910302	463-90-TH-480V-AG	04912702	463-90-THSS-480V-AG				90° Sym.	04913602	

TH & THSS Series Replacement Lamps & Sleeves

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	WT.(LBS)
8MM REPLACEMENT LAMPS			
04912802	59129101	8mm 1600W, 208V LAMP	3
04912902	59129102	8mm 1600W, 240V LAMP	
04913002	59129103	8mm 1600W, 277V LAMP	
04913102	59129104	8mm 1600W, 480V LAMP	
04913202	59129105	8mm 2500W, 208V LAMP	5
04913302	59129106	8mm 2500W, 240V LAMP	
04913402	59129107	8mm 2500W, 277V LAMP	
04913502	59129108	8mm 2500W, 480V LAMP	
04913602	59129109	8mm 3650W, 480V LAMP	
AMBER GRAY SLEEVE ONLY			
04891102	59111102	AMBER GRAY SLEEVE FOR 1600 WATT MODELS	2
04891202	59111103	AMBER GRAY SLEEVE FOR 2500 WATT MODELS	
04891302	59111106	AMBER GRAY SLEEVE FOR 3650 WATT MODELS	
OPTIONAL 8MM AMBER GRAY SLEEVE / LAMP KIT* (kits can be used as replacements for any existing Mul-T-Mount fixture)			
04899202	AGS1620	1600 W 208 V 8mm AMBER GRAY SLEEVE / LAMP KIT	5
04899302	AGS1624	1600 W 240 V 8mm AMBER GRAY SLEEVE / LAMP KIT	
04899402	AGS1627	1600 W 277 V 8mm AMBER GRAY SLEEVE / LAMP KIT	
04899502	AGS1648	1600 W 480 V 8mm AMBER GRAY SLEEVE / LAMP KIT	
04899602	AGS2520	2500 W 208 V 8mm AMBER GRAY SLEEVE / LAMP KIT	8
04899702	AGS2524	2500 W 240 V 8mm AMBER GRAY SLEEVE / LAMP KIT	
04899802	AGS2548	2500 W 480 V 8mm AMBER GRAY SLEEVE / LAMP KIT	
04899902	AGS3648	3650 W 480 V 8mm AMBER GRAY SLEEVE / LAMP KIT	

*2 Lamp fixtures require 2 kits; 3 Lamp fixtures require 3 kits
600 Volt models not available