

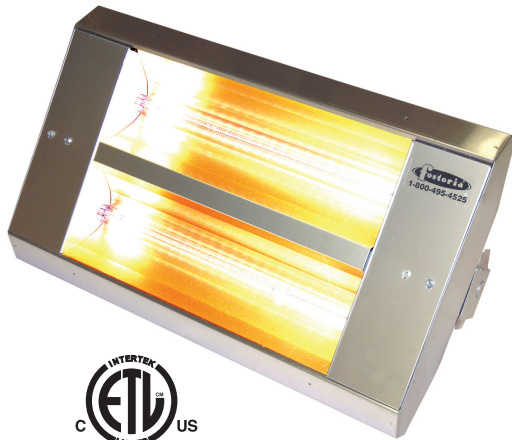
# TH & THSS Series Mul-T-Mount Electric Infrared Heater

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



## Product Description

AVAILABLE IN 2 LAMP BROWN ENAMEL OR STAINLESS STEEL, OR 3 LAMP STAINLESS STEEL.



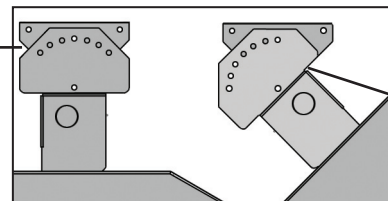
Manufactured in U.S.A.

- Listed for suspended, totally exposed (outdoor), high-bay (indoor) comfort heating and exterior snow & ice control applications.
- Listed for recessed applications.
- 20 Gauge painted steel or stainless steel housings.
- Gold anodized Aluminum reflectors & end caps.
- 50% higher Watt 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 Quartz Lamp(s) Included.

### New Feature:

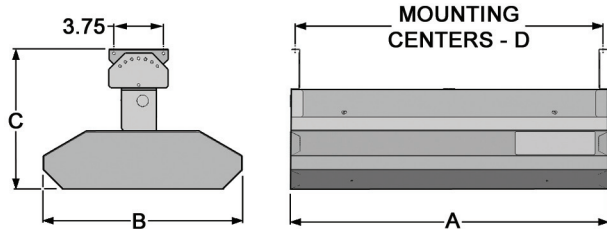
In-Built surface mounting brackets allows for fixture adjustment up to 45° horizontal tilt.

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



0 to 45° tilt @ 15° increments

## Product Dimensions

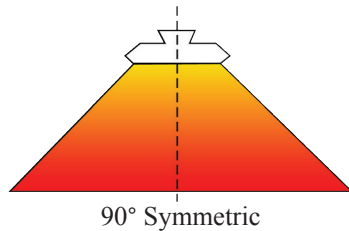
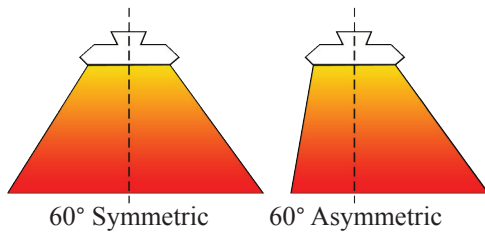
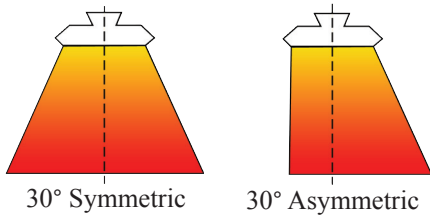


| Mul-T-Mount Series | Dimensions (in.) |         |          |             |
|--------------------|------------------|---------|----------|-------------|
|                    | A Length         | B Width | C Height | D Mtg. Ctr. |
| 222                | 24"              | 15"     | 10-7/8"  | 23-1/2"     |
| 342                | 33"              | 15"     | 10-7/8"  | 32-1/2"     |
| 462                | 46"              | 15"     | 10-7/8"  | 45-1/2"     |
| 223                | 24"              | 21-1/2" | 10-7/8"  | 23-1/2"     |
| 343                | 33"              | 21-1/2" | 10-7/8"  | 34"         |
| 463                | 46"              | 21-1/2" | 10-7/8"  | 45-1/2"     |

## 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'  |

## Reflector Patterns



## Product Specifications

**Series:**

- 222, 342, 462 (Painted Version) 2-lamp
- 222, 342, 462 (Stainless Steel Version) 2-lamp
- 223, 343, 463 (Stainless Steel Version) 3-lamp

**Housing:**

*20 Gauge Galvanized Steel* with a baked on, brown enamel (painted) finish. Housing is ETL Listed for both indoor and totally exposed outdoor applications.

*20 Gauge Stainless Steel* for durability and corrosion-resistance. Housing is ETL Listed for both 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).

**Elements:**

Clear quartz lamps. Coiled tungsten filament located within a sealed quartz envelope, halogen filled, with porcelain end caps and 6" wire pigtail leads. 96% radiant delivered efficiency with high moisture and thermal shock resistance. Instantaneous heat-up and cool-down performance. Available wattages from 500 to 3800 Watts per element. Available voltages from 120 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.

## Sizing Chart

| Reflective Pattern (°) | Heater Output (kW) | # of Qiz. Lamps         | Mounting Heights (FT.)              |           |           |            |             |             |             | Watts Delivered per Square Foot |       |       |       |       |      |      |
|------------------------|--------------------|-------------------------|-------------------------------------|-----------|-----------|------------|-------------|-------------|-------------|---------------------------------|-------|-------|-------|-------|------|------|
|                        |                    |                         | 8                                   | 10        | 12        | 14         | 16          | 18          | 20          | Mounting Heights (FT.)          |       |       |       |       |      |      |
|                        |                    |                         | Heat Pattern Coverage @ Floor Level |           |           |            |             |             |             |                                 |       |       |       |       |      |      |
|                        |                    |                         | L x W                               | L x W     | L x W     | L x W      | L x W       | L x W       | L x W       | 8                               | 10    | 12    | 14    | 16    | 18   | 20   |
| 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 |
|                        |                    |                         | 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  | -     | -    | -    |
|                        |                    |                         | 17 x 16                             | 21 x 20   | N/R       | N/R        | N/R         | N/R         | N/R         | 11.8                            | 7.6   | -     | -     | -     | -    | -    |
|                        | 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 |
|                        |                    |                         | 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 | -    |
|                        |                    |                         | 18 x 16                             | 22 x 20   | 26 x 24   | N/R        | N/R         | N/R         | N/R         | 17.4                            | 11.4  | 8.0   | -     | -     | -    | -    |
|                        | 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 |
|                        |                    |                         | 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 | -    |
|                        |                    |                         | 19 x 16                             | 23 x 20   | 27 x 24   | N/R        | N/R         | N/R         | N/R         | 24.0                            | 15.9  | 11.3  | -     | -     | -    | -    |
| 60°                    | 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 |
|                        |                    |                         | 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  | -    | -    |
|                        |                    |                         | 17 x 17                             | 21 x 21   | N/R       | N/R        | N/R         | N/R         | N/R         | 16.6                            | 10.9  | -     | -     | -     | -    | -    |
|                        | 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 |
|                        |                    |                         | 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 | -    |
|                        |                    |                         | 18 x 17                             | 22 x 21   | 26 x 25   | N/R        | N/R         | N/R         | N/R         | 24.5                            | 16.2  | 11.5  | -     | -     | -    | -    |
|                        | 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 |
|                        |                    |                         | 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 | -    |
|                        |                    |                         | 19 x 17                             | 23 x 21   | 27 x 25   | N/R        | N/R         | N/R         | N/R         | 33.9                            | 22.7  | 16.2  | -     | -     | -    | -    |

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



## 2 Lamp Mul-T-Mount Series Brown Enamel Or Stainless Steel With 2 Clear Quartz Lamps Included

| BROWN HOUSING |                 | STAINLESS STEEL HOUSING |                   | KW  | BTU'S  | VOLTS | REFLECTOR PATTERN | Replacement Element | WT. (Lbs.) | LIST  |                 |                 |          |    |      |      |
|---------------|-----------------|-------------------------|-------------------|-----|--------|-------|-------------------|---------------------|------------|-------|-----------------|-----------------|----------|----|------|------|
| UPC 686334    | MODEL           | UPC 686334              | MODEL             |     |        |       |                   |                     |            | Brown | Stainless Steel |                 |          |    |      |      |
| 444163        | 222-30-TH-208V  | 444408                  | 222-30-THSS-208V  | 3.2 | 10,922 | 208   | 30° Symmetrical   | 63016209            | 20         | 631   | 762             |                 |          |    |      |      |
| 444170        | 222-30-TH-240V  | 444415                  | 222-30-THSS-240V  |     |        | 240   |                   | 63016249            |            |       |                 |                 |          |    |      |      |
| 444187        | 222-30-TH-277V  | 444422                  | 222-30-THSS-277V  |     |        | 277   |                   | 63016279            |            |       |                 |                 |          |    |      |      |
| 481380        | 222-30-TH-480V  | 481434                  | 222-30-THSS-480V  |     |        | 480   |                   | 63016489            |            |       |                 |                 |          |    |      |      |
| 444194        | 222-A30-TH-208V | 444439                  | 222-A30-THSS-208V |     |        | 208   | 30° Asymmetrical  | 63016209            |            |       |                 |                 |          |    |      |      |
| 444200        | 222-A30-TH-240V | 444446                  | 222-A30-THSS-240V |     |        | 240   |                   | 63016249            |            |       |                 |                 |          |    |      |      |
| 444217        | 222-A30-TH-277V | 444453                  | 222-A30-THSS-277V |     |        | 277   |                   | 63016279            |            |       |                 |                 |          |    |      |      |
| 481410        | 222-A30-TH-480V | 481465                  | 222-A30-THSS-480V |     |        | 480   | 63016489          |                     |            |       |                 |                 |          |    |      |      |
| 444224        | 222-60-TH-208V  | 444460                  | 222-60-THSS-208V  |     |        | 208   | 60° Symmetrical   | 63016209            |            |       |                 |                 |          |    |      |      |
| 444231        | 222-60-TH-240V  | 444477                  | 222-60-THSS-240V  |     |        | 240   |                   | 63016249            |            |       |                 |                 |          |    |      |      |
| 444248        | 222-60-TH-277V  | 444484                  | 222-60-THSS-277V  |     |        | 277   |                   | 63016279            |            |       |                 |                 |          |    |      |      |
| 481397        | 222-60-TH-480V  | 481441                  | 222-60-THSS-480V  |     |        | 480   | 63016489          |                     |            |       |                 |                 |          |    |      |      |
| 444255        | 222-A60-TH-208V | 444491                  | 222-A60-THSS-208V |     |        | 208   | 60° Asymmetrical  | 63016209            |            |       |                 |                 |          |    |      |      |
| 444262        | 222-A60-TH-240V | 444507                  | 222-A60-THSS-240V |     |        | 240   |                   | 63016249            |            |       |                 |                 |          |    |      |      |
| 444279        | 222-A60-TH-277V | 444514                  | 222-A60-THSS-277V |     |        | 277   |                   | 63016279            |            |       |                 |                 |          |    |      |      |
| 481427        | 222-A60-TH-480V | 481472                  | 222-A60-THSS-480V |     |        | 480   | 63016489          |                     |            |       |                 |                 |          |    |      |      |
| 443296        | 222-90-TH-208V  | 444521                  | 222-90-THSS-208V  |     |        | 208   | 90° Symmetrical   | 63016209            |            |       |                 |                 |          |    |      |      |
| 444286        | 222-90-TH-240V  | 444538                  | 222-90-THSS-240V  |     |        | 240   |                   | 63016249            |            |       |                 |                 |          |    |      |      |
| 444293        | 222-90-TH-277V  | 444545                  | 222-90-THSS-277V  |     |        | 277   |                   | 63016279            |            |       |                 |                 |          |    |      |      |
| 481403        | 222-90-TH-480V  | 481458                  | 222-90-THSS-480V  |     |        | 480   | 63016489          |                     |            |       |                 |                 |          |    |      |      |
| 481083        | 342-30-TH-208V  | 480932                  | 342-30-THSS-208V  | 5.0 | 17,065 | 208   | 30° Symmetrical   | 63025209            | 25         | 832   | 1066            |                 |          |    |      |      |
| 481090        | 342-30-TH-240V  | 480949                  | 342-30-THSS-240V  |     |        | 240   |                   | 63025249            |            |       |                 |                 |          |    |      |      |
| 802611        | 342-30-TH-480V  | 802635                  | 342-30-THSS-480V  |     |        | 480   |                   | 63025489            |            |       |                 |                 |          |    |      |      |
| 481175        | 342-A30-TH-208V | 481021                  | 342-A30-THSS-208V |     |        | 208   | 30° Asymmetrical  | 63025209            |            |       |                 |                 |          |    |      |      |
| 481182        | 342-A30-TH-240V | 481038                  | 342-A30-THSS-240V |     |        | 240   |                   | 63025249            |            |       |                 |                 |          |    |      |      |
| 444316        | 342-A30-TH-480V | 444569                  | 342-A30-THSS-480V |     |        | 480   | 63025489          |                     |            |       |                 |                 |          |    |      |      |
| 481113        | 342-60-TH-208V  | 480963                  | 342-60-THSS-208V  |     |        | 208   | 60° Symmetrical   | 63025209            |            |       |                 |                 |          |    |      |      |
| 481120        | 342-60-TH-240V  | 480970                  | 342-60-THSS-240V  |     |        | 240   |                   | 63025249            |            |       |                 |                 |          |    |      |      |
| 802918        | 342-60-TH-480V  | 802932                  | 342-60-THSS-480V  |     |        | 480   | 63025489          |                     |            |       |                 |                 |          |    |      |      |
| 481205        | 342-A60-TH-208V | 481052                  | 342-A60-THSS-208V |     |        | 208   | 60° Asymmetrical  | 63025209            |            |       |                 |                 |          |    |      |      |
| 481212        | 342-A60-TH-240V | 481069                  | 342-A60-THSS-240V |     |        | 240   |                   | 63025249            |            |       |                 |                 |          |    |      |      |
| 444330        | 342-A60-TH-480V | 444583                  | 342-A60-THSS-480V |     |        | 480   | 63025489          |                     |            |       |                 |                 |          |    |      |      |
| 481144        | 342-90-TH-208V  | 480994                  | 342-90-THSS-208V  |     |        | 208   | 90° Symmetrical   | 63025209            |            |       |                 |                 |          |    |      |      |
| 481151        | 342-90-TH-240V  | 481007                  | 342-90-THSS-240V  |     |        | 240   |                   | 63025249            |            |       |                 |                 |          |    |      |      |
| 803212        | 342-90-TH-480V  | 803236                  | 342-90-THSS-480V  |     |        | 480   |                   | 63025489            |            |       |                 |                 |          |    |      |      |
| 802710        | 462-30-TH-480V  | 802734                  | 462-30-THSS-480V  |     |        | 7.3   | 24,915            | 480                 |            |       |                 | 30° Symmetrical | 63036489 | 32 | 1045 | 1281 |
| 444361        | 462-A30-TH-480V | 444613                  | 462-A30-THSS-480V |     |        |       |                   | 30° Asymmetrical    |            |       |                 | 63036489        |          |    |      |      |
| 803014        | 462-60-TH-480V  | 803038                  | 462-60-THSS-480V  |     |        |       |                   | 60° Symmetrical     |            |       |                 | 63036489        |          |    |      |      |
| 444385        | 462-A60-TH-480V | 444637                  | 462-A60-THSS-480V |     |        |       |                   | 60° Asymmetrical    |            |       |                 | 63036489        |          |    |      |      |
| 803311        | 462-90-TH-480V  | 803335                  | 462-90-THSS-480V  |     |        |       |                   | 90° Symmetrical     |            |       |                 | 63036489        |          |    |      |      |

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

# THSS Series Mul-T-Mount Electric Infrared Heater

## 3 Lamp Mul-T-Mount Series Stainless Steel Housing With 3 Clear Quartz Lamps Included



Manufactured in U.S.A.

**NOTE:**

- 600-Volt Models also available, contact factory for more information.
- Asymmetrical pattern units are also available for 30° & 60°

| UPC#<br>686334 | MODEL            | KW    | BTU'S    | VOLTS | Reflector<br>Pattern | Replacement<br>Elements | WT.<br>(Lbs.) | LIST |
|----------------|------------------|-------|----------|-------|----------------------|-------------------------|---------------|------|
| 443678         | 223-30-THSS-208V | 4.8   | 16382    | 208   | 30°<br>Symmetrical   | 63016209                | 25            | 1163 |
| 443685         | 223-30-THSS-240V |       |          |       |                      | 63016249                |               |      |
| 443692         | 223-30-THSS-277V |       |          |       |                      | 63016279                |               |      |
| 481588         | 223-30-THSS-480V |       |          | 480   | 63016489             |                         |               |      |
| 443289         | 223-60-THSS-208V |       |          | 208   | 60°<br>Symmetrical   | 63016209                |               |      |
| 443739         | 223-60-THSS-240V |       |          | 240   |                      | 63016249                |               |      |
| 443746         | 223-60-THSS-277V |       |          | 277   |                      | 63016279                |               |      |
| 481595         | 223-60-THSS-480V |       |          | 480   | 63016489             |                         |               |      |
| 443784         | 223-90-THSS-208V |       |          | 208   | 90°<br>Symmetrical   | 63016209                |               |      |
| 443791         | 223-90-THSS-240V | 240   | 63016249 |       |                      |                         |               |      |
| 443807         | 223-90-THSS-277V | 277   | 63016279 |       |                      |                         |               |      |
| 481601         | 223-90-THSS-480V | 480   | 63016489 |       |                      |                         |               |      |
| 481236         | 343-30-THSS-208V | 7.5   | 25298    | 208   | 30°<br>Symmetrical   | 63025209                | 33            | 1482 |
| 481243         | 343-30-THSS-240V |       |          |       |                      | 63025249                |               |      |
| 811439         | 343-30-THSS-480V |       |          |       |                      | 63025489                |               |      |
| 481237         | 343-60-THSS-208V |       |          | 208   | 60°<br>Symmetrical   | 63025209                |               |      |
| 481274         | 343-60-THSS-240V |       |          | 240   |                      | 63025249                |               |      |
| 811637         | 343-60-THSS-480V |       |          | 480   |                      | 63025489                |               |      |
| 481298         | 343-90-THSS-208V |       |          | 208   | 90°<br>Symmetrical   | 63025209                |               |      |
| 481304         | 343-90-THSS-240V |       |          | 240   |                      | 63025249                |               |      |
| 811835         | 343-90-THSS-480V |       |          | 480   |                      | 63025489                |               |      |
| 810531         | 463-30-THSS-480V | 10.95 | 37372    | 480   | 30° Sym.             | 63036489                | 41            | 1735 |
| 810739         | 463-60-THSS-480V |       |          |       | 60° Sym.             | 63036489                |               |      |
| 810937         | 463-90-THSS-480V |       |          |       | 90° Sym.             | 63036489                |               |      |

### TH & THSS Series Product Accessories

| UPC<br>686334 | MODEL        | DESCRIPTION                   |                  | FOR USE WITH                  | WT.<br>(LBS.) | LIST             |
|---------------|--------------|-------------------------------|------------------|-------------------------------|---------------|------------------|
| 881128        | VMB-41-SS    | Wall Mounting Brackets (2)    |                  | All Mul-T-Mount Models        | 12            | 195              |
| 881152        | CHWG-222     | Stainless Steel Wire Guards   |                  | 222 Series                    | 2             | 56               |
| 881145        | CHWG-342     |                               |                  | 342 Series                    |               | 74               |
| 851626        | CHWG-462     |                               |                  | 462 Series                    |               | 101              |
| 854368        | CHWG-223     |                               |                  | 223 Series                    |               | 69               |
| 854351        | CHWG-343     |                               |                  | 343 Series                    |               | 90               |
| 854344        | CHWG-463     |                               |                  | 463 Series                    |               | 105              |
|               |              |                               |                  | Recessed Mounting Frames (UL) |               |                  |
|               |              | Ceiling Cutout (in.)          | Frame Size (in.) |                               |               |                  |
| 441995        | RMF-222-SS-A | 27 x 17-7/8                   | 29-1/8 x 20      | 222 Series Stainless          | 6             | 215              |
| 449441        | RMF-222-A    | 27 x 17-7/8                   | 29-1/8 x 20      | 222 Series Painted            |               | 157              |
| 442077        | RMF-342-SS-A | 36 x 17-7/8                   | 38-1/8 x 20      | 342 Series Stainless          | 9             | 266              |
| 441872        | RMF-342-A    | 36 x 17-7/8                   | 38-1/8 x 20      | 342 Series Painted            |               | 169              |
| 442107        | RMF-462-SS-A | 49 x 17-7/8                   | 51-1/8 x 20      | 462 Series Stainless          | 11            | 327              |
| 449458        | RMF-462-A    | 49 x 17-7/8                   | 51-1/8 x 20      | 462 Series Painted            |               | 215              |
| 881104        | RMF-223-SS   | 32 x 29-3/8                   | 34-1/8 x 31-1/2  | 223 Series Stainless          | 15            | 327              |
| 881135        | RMF-343-SS   | 41 x 29-3/8                   | 43-1/8 x 31-1/2  | 343 Series Stainless          | 18            | 384              |
| 881111        | RMF-463-SS   | 54 x 29-3/8                   | 56-1/8 x 31-1/2  | 463 Series Stainless          | 20            | 468              |
| 440783        | 31939009     | Red Vycor Sleeves             |                  | All 1600W Qtz. Lamp           | 2             | 85               |
| 440738        | 31940009     | Reduces Quartz Lamp           |                  | All 2500W Qtz. Lamp           |               | 112              |
| 440745        | 31941009     | Brightness by 90%             |                  | All 3650W Qtz. Lamp           |               | 138              |
| 446150        | 632-1620     | Red Quartz Lamps; 1.6kw, 208v |                  | 222,223 & RPH Series          | 2             | 144              |
| 446167        | 632-1624     | Red Quartz Lamps; 1.6kw, 240v |                  |                               |               | 144              |
| 446228        | 632-2548     | Red Quartz Lamps; 2.5kw, 480v |                  |                               |               | 342 & 343 Series |