



More Heat! A lot more.

Lowest operating cost

Precision heat from distance

Smaller carbon footprint

Radiant Optics' HotZone HeatProjector line of electric infrared heaters are the most efficient spot heaters on the market today – and not by just a little bit.

Super-Efficient

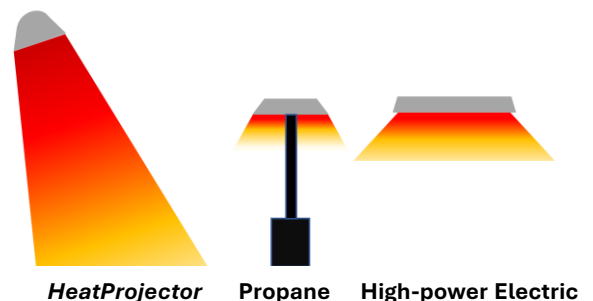
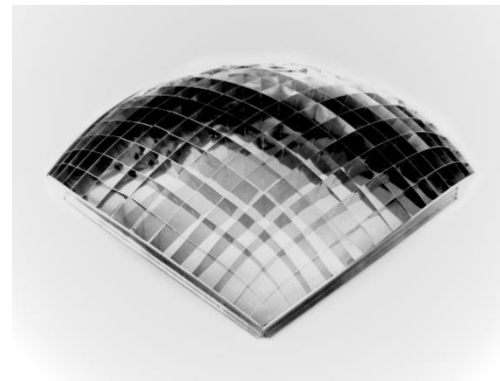
Our high efficiency heat “projector” concentrates heat into a beam that can be pointed at a target area. The result is a huge increase in delivered heat and operating costs up to 90% lower.

Precision Spot Heat from distance

Our innovative technology can deliver heat from a long distance, in a predictable direction and pattern. Surface temperatures can be raised 40°F+ above the air temperature.

Greener

Propane heaters are dirty and high-powered electric heaters are inefficient. Radiant Optics' *HeatProjectors* produce less than 25% of the greenhouse gases of a standard propane heater, and as little as 20% compared to other electric IR heaters.



- Building entrances vestibules/lobbies • Golf driving ranges • Restaurants • Decks and patios •
- Big box retailers • Warehouses • Ice and snow removal • Auto shops • Machine shops •
- Ice rinks • Farms • Stadiums •

(425) 806-3990

Radiant Optics Mfg., LLC



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Radiantoptics.com

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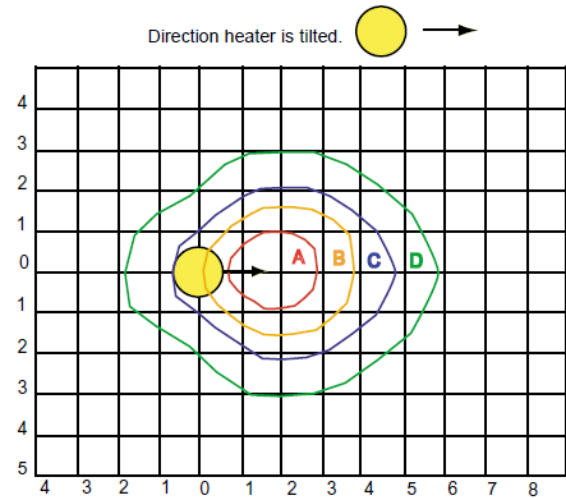
Heat Maps – precise pattern, predictable temperature increase

1. Find model, mounting angle and height on table.

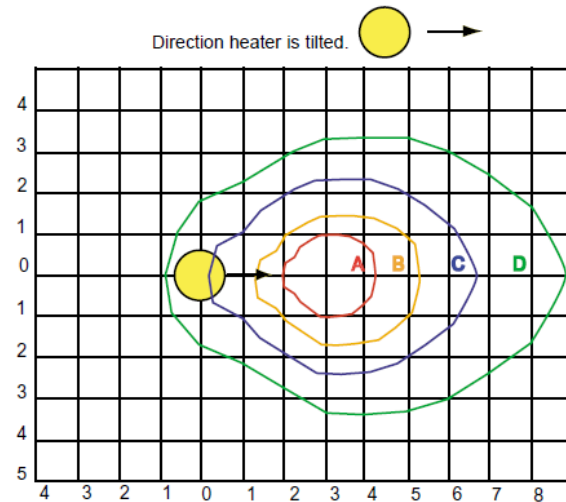
2. Multiply the number on the chart axis by the Multiplier to get distance in feet

* Temperature increase on horizontal surface 3ft high. A person will feel a higher temp increase.

| Mounting Height (ft)>>> | 26 Degrees | | | | | | | | | |
|----------------------------|------------|-----|----|----|-----|---------|----|---|----|----|
| | e 7500 | | | | | e 15000 | | | | |
| | 8 | 10 | 13 | 8 | 10 | 13 | 18 | 8 | 10 | 13 |
| Temp A | 27 | 12 | 7 | 54 | 24 | 14 | 6 | | | |
| Temp B | 20 | 9 | 5 | 41 | 18 | 10 | 5 | | | |
| +°F C | 14 | 6 | 3 | 27 | 12 | 7 | 3 | | | |
| D | 7 | 3 | 2 | 14 | 6 | 3 | 2 | | | |
| Multiplier | 1 | 1.5 | 2 | 1 | 1.5 | 2 | 3 | | | |



| Mounting Height (ft)>>> | 45 Degrees | | | | | | | | | |
|----------------------------|------------|-------|-----|----|--------|-----|----|----|--|--|
| | e 3750 | e7500 | | | e15000 | | | | | |
| | 6 | 8 | 10 | 13 | 8 | 10 | 13 | 18 | | |
| Temp A | 22 | 18 | 8 | 5 | 36 | 16 | 9 | 4 | | |
| Temp B | 15 | 14 | 6 | 3 | 27 | 12 | 7 | 3 | | |
| +°F C | 10 | 9 | 4 | 2 | 18 | 8 | 5 | 2 | | |
| D | 6 | 5 | 2 | 1 | 9 | 4 | 2 | 1 | | |
| Multiplier | 0.6 | 1 | 1.5 | 2 | 1 | 1.5 | 2 | 3 | | |



Increase delivered heat by:

Lower mounting height

Shallower mounting angle

Overlapping heat patterns. Overlapping patterns are “additive” – ex: two overlapping 7 °F zones will yield +14°F

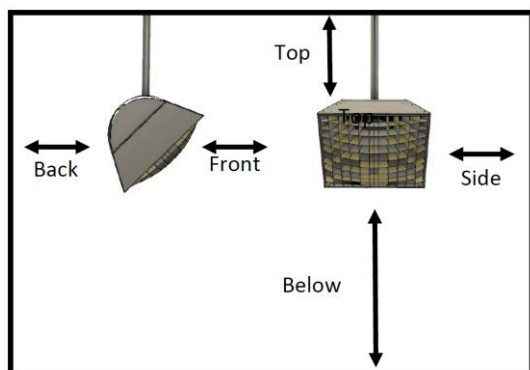
Recommended Mounting Height

| Height | Model |
|--------|--------|
| 13 ft | e15000 |
| 10 ft | e7500 |
| 8 ft | e3750 |
| 6 ft | |

Dimensions and options

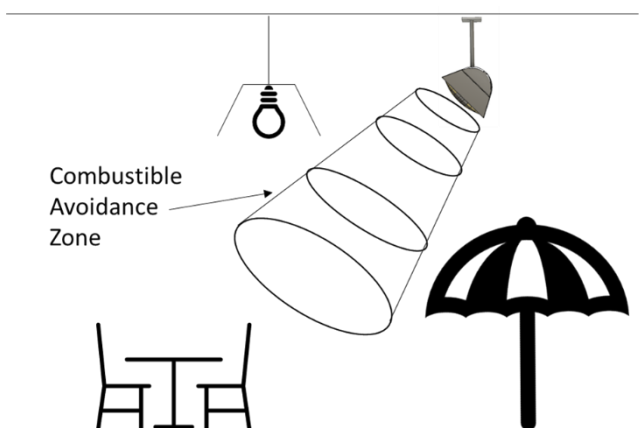
| Model | Effective Output | Power Input | Dimensions (LxWxH) | Weight | Mounting Options | Voltage Options |
|---------|------------------|-------------|--------------------|--------|---------------------|------------------|
| e 3750 | 3750w | 750w | 10"x10"x6" | 3 lbs | Conduit, Wall, Yoke | 120V |
| e 7500 | 7500w | 1500w | 15"x15"x9" | 4 lbs | Conduit, Wall, Yoke | 120V, 208V, 240V |
| e 15000 | 15000w | 3000w | 21"x21"x12" | 7 lbs | Conduit, Wall, Yoke | 208V, 240V, 277V |

Distance to Combustibles



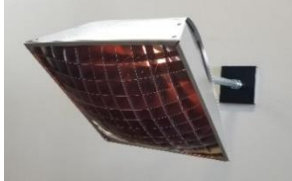
| Model | Lens | Distance to Combustibles 45° | | | | |
|---------|------|------------------------------|-------|------|-----|-------|
| | | Side | Front | Back | Top | Below |
| e 3750 | Spot | 5" | 22 | 5 | 4 | 36 |
| e 7500 | Spot | 9" | 30 | 9 | 6 | 48 |
| e 15000 | Spot | 18" | 41 | 18 | 9 | 66 |

Combustible Avoidance Zone



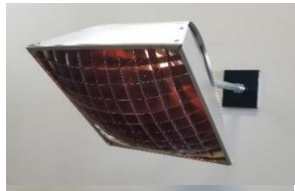
| Diameter of Combustible Avoidance Zone Below Heater (inches) | | |
|--|-------------|--------------|
| Distance from Lens | Model | |
| | HZEHPe 7500 | HZEHPe 15000 |
| 12 | 26 | 32 |
| 24 | 36 | 42 |
| 36 | 46 | 52 |
| 48 | 56 | 62 |
| 60 | | 72 |
| 72 | | 82 |

Mounting Options



Conduit Mount

Includes conduit body or weatherproof junction box for mounting to rigid conduit.



Wall Mount Includes weather proof junction box and adjustable wall mount bracket for use with flexible conduit or cable



Yoke Mount

Includes weather proof junction box and adjustable yoke bracket for use with flexible conduit or cable

Free Standing



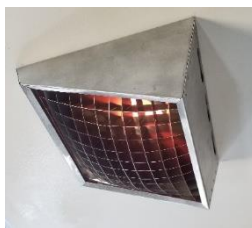
Available with e3750 or e7500 HeatProjector
Stainless steel stand, 40"-80" height, foldable
Tip-over safety switch
12 ft heavy duty cord
For outdoor use, not included in ETL listing

In-ceiling Mounting

Flush Mount



Drop Mount



| Model | Type | Heater Info | Bezel Dimensions (LxWxH) | Heater Angle | Ceiling Opening Size (L x W x H) ¹ |
|---------------|-------------|----------------------|--------------------------|--------------|---|
| HPHZe 7500FB | Flush Mount | 1500 w, 120V or 240V | 15.6" x 15.6" x 2" | 0° | 14" x 14" x 12" |
| HPHZe 15000FB | Flush Mount | 3000 w, 120V or 240V | 22.4" x 22.4" x 3" | 0° | 14" x 14" x 17" |
| HPHZe 7500DB | Drop Mount | 1500 w, 120V or 240V | 15.7" x 18.3" x 7" | 26° | 14" x 14" x 9.5" |
| HPHZe 15000DB | Drop Mount | 3000 w, 120V or 240V | 25.8" x 22.3" x 10.3" | 26° | 20" x 20" x 13.5" |

1. Clearance is required above unit for "distance to combustibles" allowance. Gap can be reduced by lining cavity with cement board.

2. Cavity must be well ventilated with minimum of 6 sqin for e7500 models and 12 sqin for e15000 models, level with or above the heater

3. Drop Mount Bezel tapers from back to front.