

heatray



IRH-E Trident

INFRARED ELECTRIC RADIANT HEATERS



A powerful three-unit cluster, the IRH-E Trident delivers even, all-around heat from umbrella or post mounting.

Infrared Electric Radiant Heaters

The Heatray IRH-E Trident cluster of three units provides instant, glowing, high-intensity radiant heat from above with maximum efficiency. Created to suit umbrella or post mounting, the Trident is powered by the latest ULG infrared lamp technology.

IRH-E Trident heaters are suitable for indoor and outdoor undercover commercial, hospitality, and residential settings. Water-resistant, they can also withstand challenging outdoor environments.

The units are designed to be umbrella or post-mounted, and integrated with new or existing structures.

Each cluster of three heaters can cover a floor area of up to 12m², in all directions (360 degrees).

Energy efficiency

The instant response of infrared radiant heat minimises the warm-up period, reducing overall energy consumption—especially in high-traffic areas. A highly efficient stainless steel internal reflector maximises performance and coverage by directing heat exactly where it's needed.

A range of controls can further enhance efficiency, including remote control, heat output control, zone control (via remote switch), motion sensors, and timers.

Application

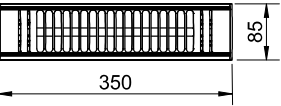
- Indoor / outdoor undercover areas
- Areas where combustion gases are not permissible
- Suits umbrella or post mounting
- Mounting height 2.3m - 3.5m
- Area coverage 4m² - 12m²

Key features

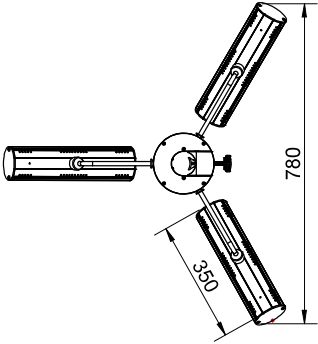
- Instant directional radiant heat
- Black anodised aluminium finish
- High-intensity infrared lamp
- Shortwave infrared wavelength technology
- Compact three-heater cluster design
- Control: on/off/remote
- Highly efficient internal reflectors
- Silent operation, clean and emission free
- Water resistant IP65 rated for undercover outdoor installation
- High-quality, non-corrosive construction offering longevity and ease of maintenance
- Quick-fix mounting bracket to embrace a pole or an umbrella post (up to 55mm Dia)
- Individual switching or zone control options
- Motion activation option to cater for smoking and transit areas recommended for energy efficiency

IRH-E Trident

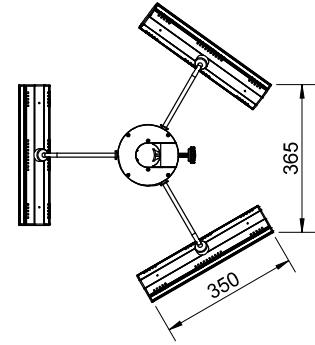
HEATER FRONT VIEW



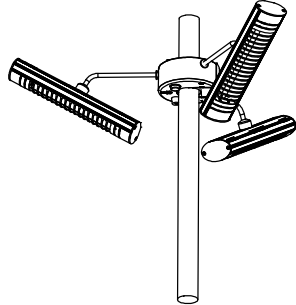
PLAN VIEW: VERTICAL SETTING



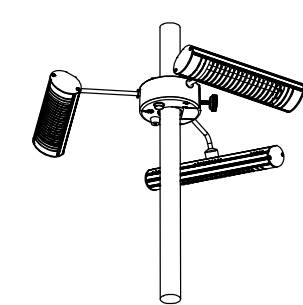
PLAN VIEW: HORIZONTAL SETTING



3D VIEW: VERTICAL SETTING



3D VIEW: HORIZONTAL SETTING



TECHNICAL SPECIFICATIONS

Application	Indoor / outdoor undercover areas
Dimensions	Refer diagrams above
Weight	3.2kg
Materials	Aluminium grille face, non-corrosive aluminium construction
Finish	Anodised aluminium
Colour	Black
Mounting	Umbrella / Post (up to 55mm Dia)
Mounting brackets	x1
Mounting height	2300 - 3500mm
Area coverage	Refer table following
Heat type	High-intensity
Lamp type	Shortwave infrared wavelength
Power	3000W / 220-240V / 1Ph / 50Hz
Range	1000-2000mm forward radius / 360° span

Operation	Instant & directional. Approx 1 sec. to reach 98% operating capacity.
Connection	15Amp, 3-pin plug
Protection	Water resistant IP65
Control	On/Off or remote control
Clearances (min)	<ul style="list-style-type: none">Forward clearance from flammables: 1500mmCeiling/canopy clearance from flammables: 300mmRear of unit to wall from flammables: 170mmEnd of unit to wall from flammables: 600mm
Control module options	<ul style="list-style-type: none">W375 x H220mm - 1PhAvailable for zone control of up to 2 or 4 heatersSafety cut-out, circuit protection, low Amp On/Off switching, two-zone control & separate lighting circuitRelays suitable for BMS controlOptional motion sensors, run-on timersOptional 2Ph & 3Ph control modules

MOUNTING OPTIONS



Cluster of 3 heaters



Umbrella mounting



Quick-fix mount



Heater end view

CONTROLS



Remote control

IRH-E TRIDENT



IRH-E TRIDENT DETAIL



MODEL INFORMATION

Model	Power @ 240V		Suggested mounting height (mm)	Floor coverage guide		
	Watts	Amps		Outdoor undercover unprotected (m²)	Outdoor undercover protected (m²)	Indoor (m²)
IRH-E Trident	3000	12.5	2300-3500	4-5	7-8	10-12

With efficient operation and elegant design, Heatray products deliver superior infrared warmth in all kinds of environments.



Left: Closeup of 3 heater cluster.
Right: Heated umbrella with IRH-E Trident.



19 Simpson Street
Moorabbin Victoria 3189
Australia

+61 3 8552 8200

info@celmec.com.au

heatray.com.au

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Heatray products are designed,
manufactured and supported
by Celmec – celmec.com.au

