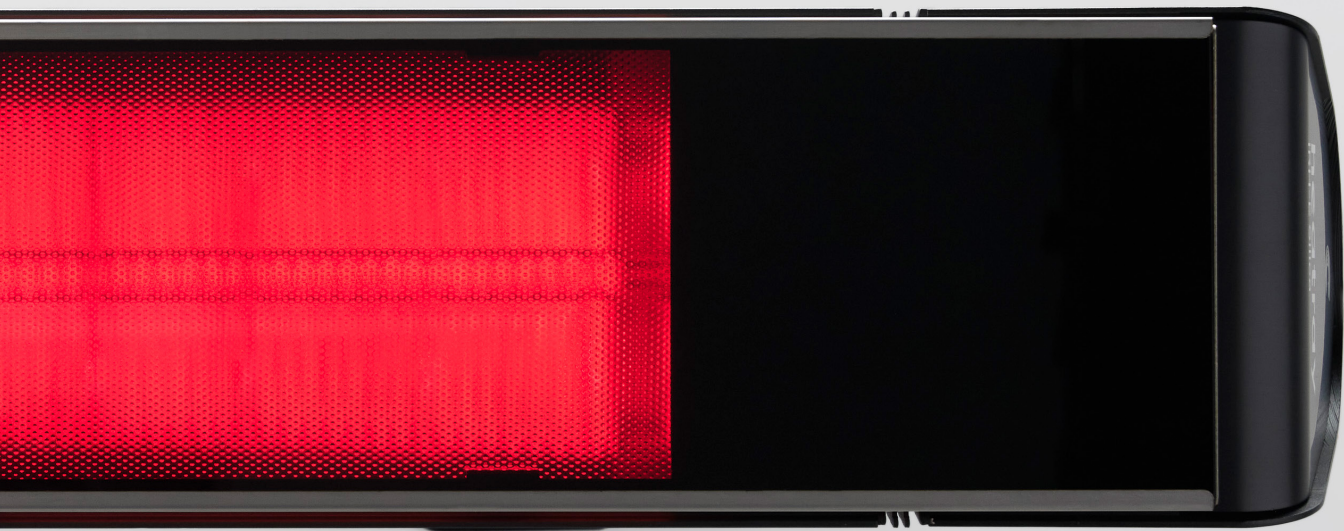# heatray

IRH–E Silica

INFRARED ELECTRIC RADIANT HEATERS

An evolution of the original IRH-E, featuring a refined ceramic glass face for enhanced performance and a soft glow.

Infrared Electric Radiant Heaters

The Heatray IRH-E Silica delivers medium-intensity radiant heat in an instant, with soft glow from a ceramic glass face and deep reflector to enhance heating performance.

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

A variety of installation options are available, including ceiling or wall mounting, and integration with new or existing structures.

Each unit can cover a floor area of up to 14m², depending on the model and application.

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.
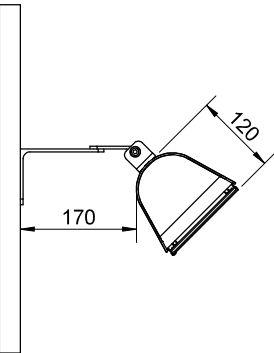
Application

— Indoor / outdoor undercover areas
— Areas where combustion gases are not permissible
— Suits wall, ceiling or Heatray umbrella mounting
— Mounting height 2.3m - 3.7m
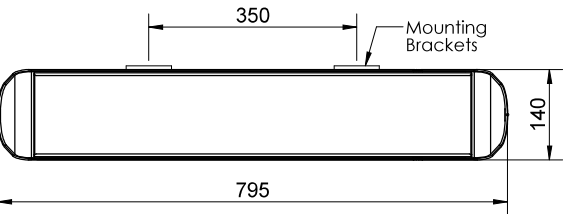— Area coverage 3m² - 14m²

Key features

— Instant directional radiant heat
— Black anodised aluminium finish
— Spectrum low-glare lamp
— Short~midwave infrared wavelength technology
— Soft glowing refined design with a ceramic glass face
— Control: on/off/remote with six heat output settings
— Highly efficient deep profile reflector
— 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
— Adjustable wall & ceiling brackets
— Individual switching or zone control options
— Motion activation option to cater for smoking and transit areas recommended for energy efficiency
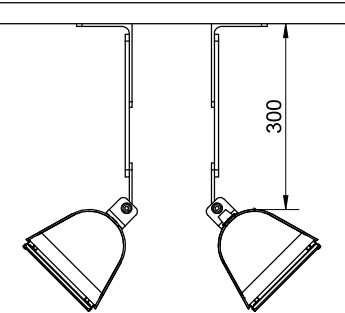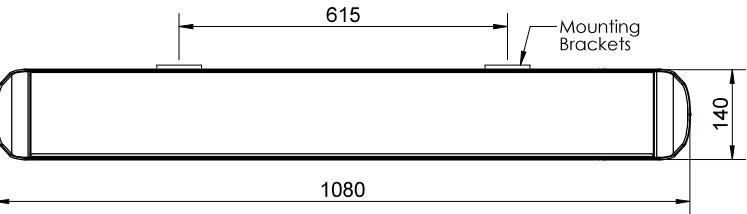
IRH–E Silica

WALL APPLICATION

120
170

CEILING APPLICATION

300

FRONT VIEW: IRH-E SILICA 2000

350
Mounting Brackets
140
795

FRONT VIEW: IRH-E SILICA 3200

615
Mounting Brackets
140
1080

MOUNTING OPTIONS

Wall mount

Ceiling mount

CONTROLS

Remote control

IRH-E SILICA 2000

IRH-E SILICA 3200

TECHNICAL SPECIFICATIONS

Application	Indoor / outdoor undercover areas
Dimensions	Refer diagrams above
Weight	4.6kg / 6.1kg
Materials	Ceramic glass face, non-corrosive aluminium construction
Finish	Anodised aluminium
Colour	Black
Mounting	Wall / Ceiling
Mounting brackets	x2
Mounting height	2300 - 3500 mm
Area coverage	Refer table following
Heat type	Low-glare
Lamp type	Spectrum short~midwave (2000W), Carbon midwave (3200W), infrared wavelength
Power	2000W, 3200W options 220-240V / 1Ph / 50Hz

Range	1000-3000mm forward radius / 120˚ span
Operation	Instant & directional. Approx 1 sec. to reach 98% operating capacity.
Connection	10Amp, 3-pin plug, 1.8m cable (2000W) 15Amp, 3-pin plug, 1.8m cable (3200W)
Protection	Water resistant IP65
Control	On/Off or remote control with 6 heat output settings
Clearances (min)	— Forward clearance from flammables: 1500mm — Ceiling clearance from flammables: 300mm — Rear of unit to wall from flammables: 170mm — End of unit to wall from flammables: 600mm
Control module options	— W375 x H220mm - 1Ph — Available for zone control of up to 2 or 4 heaters — Safety cut-out, circuit protection, low Amp On/Off switching, two-zone control & separate lighting circuit — Relays suitable for BMS control — Optional motion sensors, run-on timers — Optional 2Ph & 3Ph control modules

MODEL INFORMATION

Model	Power @ 240V		Suggested mounting height (mm)	Floor coverage guide		
	Watts	Amps		Outdoor undercover unprotected (m^2)	Outdoor undercover protected (m^2)	Indoor (m^2)
IRH-E Silica 2000	2000	8.33	2300-3200	3-4	6-7	8-10
IRH-E Silica 3200	3200	13.33	2700-3700	5-6	8-10	11-14

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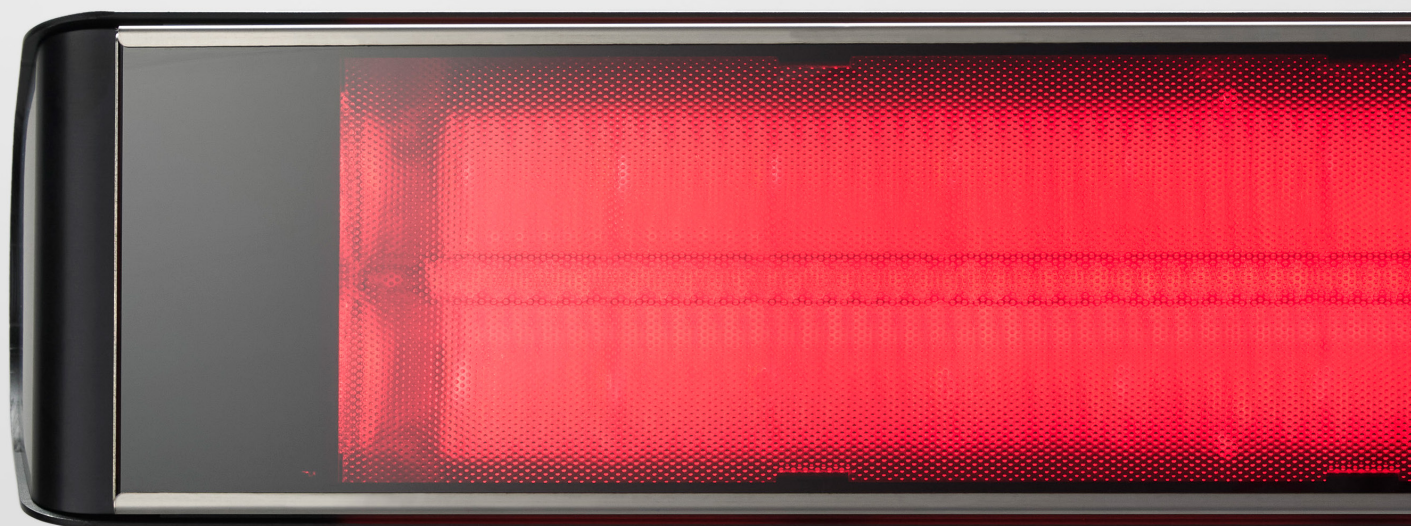
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