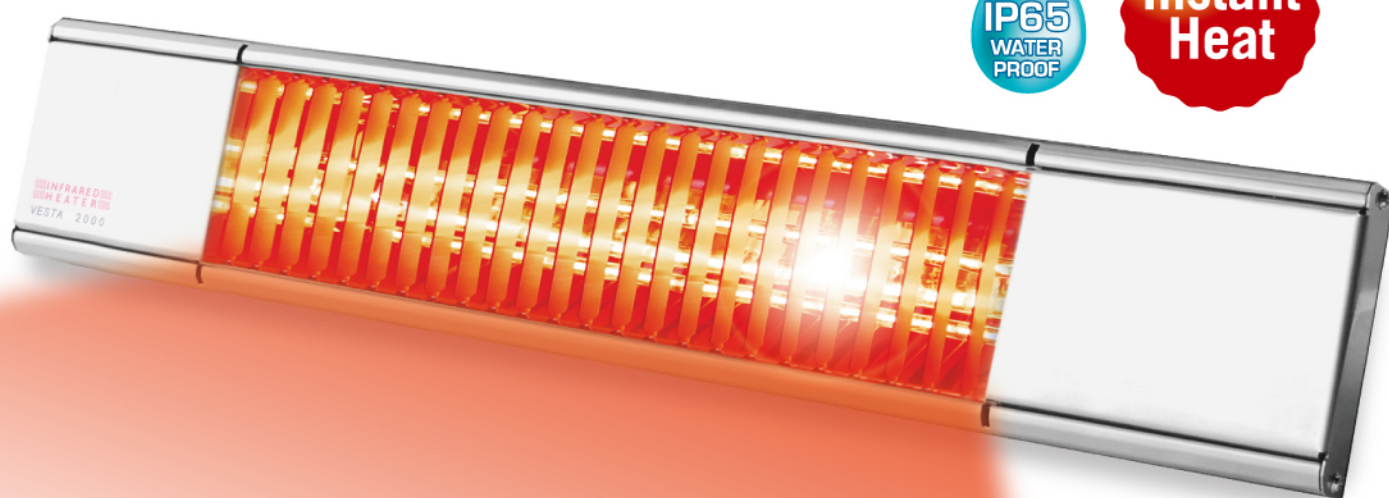




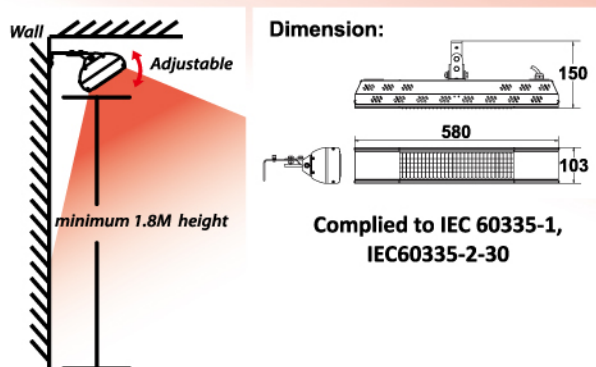
Outdoor Infrared Hetaer

IP65 COMMERCIAL STAINLESS STEEL



Vesta Series

Installation position



Application : Patios, Terraces & Balconies, Conservatories, Garages, Shops, Swimming pools & Spas, Pubs, Restaurants & Smoking area.



Features

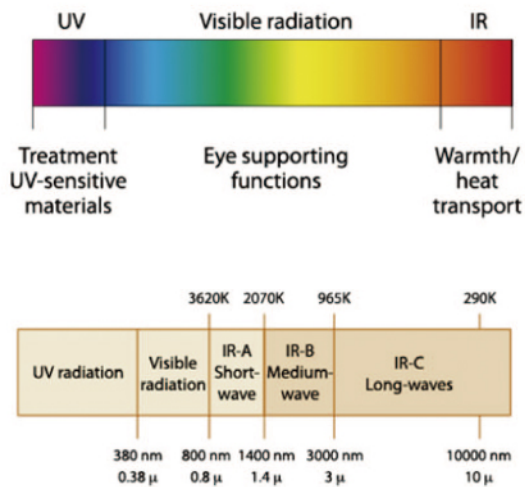
- Designed for fixed wall mounting at various locations
- Instant heat , infrared short-wave radiant lamp with 5000 hours long life
- None of the usual heat loss and expenses
- Specially designed anti-glare fire guard
- Compact design for easy installation
- Non-poison, non-toxic, non-noise and adequate to environmental conditions

Specifications

- Input Voltage : 220-240V
- Power rating : 1500W, 2000W
- Lamp Type : Gold-coating halogen infrared lamp
- Colour : Stainless steel
- Construction : Metal/Stainless steel casing
- Life time : 5000 Hours
- IP Rating : IP65
- Warranty : 2 Years

Infrared principles

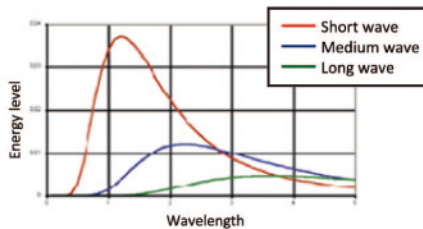
The infrared part of the optical spectrum is split into three parts:



Comparison of short, medium, long wave emitters

Infrared waves	Short wave	Medium wave	Long wave
Emitter	Halogen lamp	Quartz emitter	Resistance
Radiant efficiency	92%	60%	40%
Switch ON/OFF time(90% efficiency)	1 sec	30 sec	5 min
Heating principle	Radiation	Radiation and convection	Convection
Air draughts sensitivity	No	Yes	Yes, very high
Focusing with reflectors	Good focusing recommended	Possible	Hardly not relevant

EMISSION SPECTRUM



Infrared lamp type



Gold-coating

Short-wave infrared heating technology

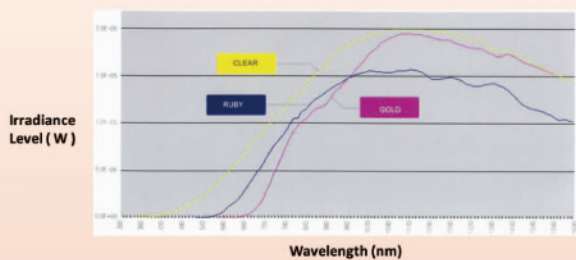


Ruby slim halogen infrared tube lamp



Frosted halogen infrared tube lamp

Distributed Spectrum



Lamps for comfort and direct heat

Features	Benefits
Low glare	Natural color output
Instant heat	Just switch on and get convenient energy-efficiency heating when and where you need it
Direct heat	Warms the people and not the air, more comfort for less energy

Benefits of short wave infrared lamps

Features	Benefits
Economical	Over 90% of consumed energy can be converted to infrared light
Clean	No CO ² or NO _x emissions, Non-poison, non-toxic, non-noise and adequate to environmental conditions
Safe	A special coating on surface of the glass protects the eyes from damage and provides a wide range of application
Instant Heat	Within the few seconds of operation, lamp arrives at working temperature
Direct Heat	Oxygen remains without evaporating and only the content is delivered for more efficient results