ELCON / INDUSTRIAL NIR HEATERS

Elcon BTH / RCTH

NIR / 6 kW / IP67 / Wall / ceiling



Designed for heating large spaces, the TH Series infrared heaters are used for the effective heating of wide areas. They are suitable for restaurants, factories, workshops, airports, mosques, concert halls, sports halls, stadiums, and similar large areas.

Design & operation

- Provides intense heat transfer with Visible Light technology.
- Power rating of 6000W.
- 4-level power control with remote.
- The remote control model is the RCTH series.
- Effective heating up to 6 meters.
- Black Anodized aluminum body.
- Easy installation and removal.
- Aesthetic design.
- Maximum heat transfer with Visible Light NIR technology.

Features vary by configuration. Refer to the comparison table for the selected model.

Heating technology

Visible Light NIR Infrared Lamp

Also known as near-infrared heaters, these lamps generate high-density heat from a tungsten filament. They operate on a short-wave frequency of 0.8-1.0 µm. The filament temperature of the Visible Light lamp reaches 2600°C and is fully enclosed. Elcon's state-of-the-art lamps feature a special gold-plated optical filter that protects the eyes from bright light and maximizes energy savings. This technology is ideal for providing instant heat over long distances in outdoor or high-ceiling areas where heat loss is significant. It is used in the ERT / EIR / ER-TH series heaters.

Configuration specifications

Specification values reproduced from the Elcon manufacturer catalogue.

Specification / Model	BTH-6000	RCTH-6000
Remote Control	No	Yes
IR Wavelength	1.0 µm	1.0 µm
Number of IR Lamps	3	3
IR Filament Length (mm)	3 x 550 mm	3 x 550 mm
Voltage	235 / 380V AC	235V AC
Power (Watt)	3 x 2000	3 x 2000
Dimensions (mm)	550 x 650 x 130	650 x 650 x 130
IP Certification	IP 67	IP 67
Heating Area (m²)	26-35 m²	26-35 m²
Operating Life (Hours)	7000	7000
Warranty	2 Years	2 Years
Material	Aluminum	Aluminum
Color	Black	Black
Power Cable	3 x 2.5 mm²	3 x 2.5 mm²
Application Area	Wall / Ceiling	Wall / Ceiling
Min. Mounting Height (mm)	2000	2000
Max. Mounting Height (mm)	6000	6000

Configurations and technical enquiries: elconinfrared.com/series/bth-rcth