



INSTALLATION AND OPERATING INSTRUCTIONS



Installation and operating instructions for electric quartz-halogen radiant heaters

Model with protection class IP20

TERM2000® Ceiling
typ RCA007 CIL, RCA010 CIL, RCA015CIL

WARNING: Please read these instructions before installing the heater and follow all recommendations. This manual is an integral part of the device and should be kept in an accessible place; in the event of a change of ownership, it should be handed over to the new owner.



Manufacturer: TEO TERM, ul. Wiejska 2d, 05-805 Otrębusy
tel.+48 22 822-37-82, 668-95-08, 824-23-27
Customer Service 801 00 96 95
www.teoterm.com.pl

Purpose

The TERM2000 Ceiling heater is designed for full-room or zoned heating. The device emits high-intensity heat, so it must be used in accordance with the following operational and installation guidelines.

Do not touch the halogen reflector filament with bare hands. If the surface of the reflector filament is accidentally touched:

- Wipe the area with a soft cloth dampened with ethyl alcohol (pure ethanol, not denatured alcohol or salicylic spirit).

Finger grease left on the filament will cause premature damage to the reflector filament and void the warranty.

All electrical connections must be made in accordance with the applicable electrical safety regulations. In case of doubt, consult qualified electrical personnel.

 **WARNING:** Reflectors must be grounded.

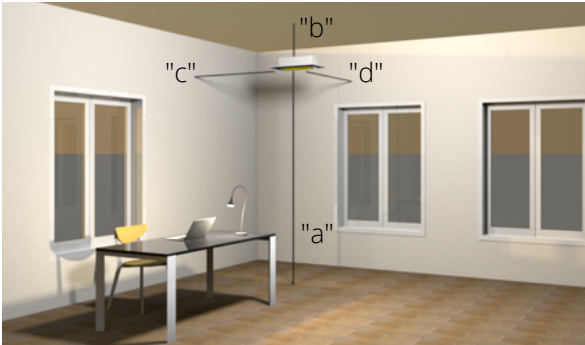
INSTALLATION OF CEILING HEAT REFLECTORS


Choosing the installation location

The minimum suspension distances of the CIL ceiling heat reflector relative to the floor, ceiling, and side walls depend on the type (power) of the reflector. These parameters are illustrated in the diagrams below and summarized in the table:

Note: In the reflector code (e.g., RCA), the first two letters are an abbreviation for Reflektor Ciepła (Heat Reflector). The third letter indicates the type of reflector depending on the configuration and number of emitters. The following numbers indicate the nominal power of the reflector according to the rule: 010 – 1.0 kW; 015 – 1.5 kW; 020 – 2.0 kW, etc. CIL indicates a device intended for installation in a suspended ceiling.

REFLECTOR TYPE	"a"	"b"	"c" and "d"
RCA007 CIL RCA010 CIL	2.1m	0.4	1.2m
RCA015 CIL	2.5m	0.4	1.2m



 **WARNING:** Do not install reflectors near curtains or other flammable materials. Do not place reflectors directly under a wall socket. Leave free space above the reflector to allow ventilation of the lamp.

Electrical connection

Ceiling-mounted heat reflectors are designed for a single-phase 230V power supply. All components are rated for 230V operation. The fixed installation must include a disconnecting device capable of isolating all poles from the power supply (except for grounding). Minimum distance between poles: 3.0 mm.

Cable cross-sections must be selected by a qualified electrician according to the power of the reflector and the distance from the control panel.

Note: Do not replace the cable supplied by the manufacturer.

IMPORTANT: The supply cable and connected wires must not touch the reflector housing. When the device is no longer in use, its disposal must comply with applicable regulations.

Mounting and positioning the reflector

The heat reflector is mounted in a 595 × 300 mm panel, which is installed in the suspended ceiling structure (e.g., Armstrong 600 × 600). The reflector housing should be positioned parallel to the floor and ensure a horizontal position of the quartz-halogen filament.

The heater is equipped with a bracket that allows additional fastening to the ceiling. To do this, use the 8.1 mm hole in the bracket located on the reflector housing.

Any free space next to the panel must be filled with a properly cut ceiling filler element.

The reflector operates in a horizontal position; however, it is possible to adjust its angle by approximately ±5°. The reflector's position in the housing must be fixed before installing it in the suspended ceiling.

Technical data

Filament temperature: 2200°C

Voltage: 230V, 50Hz

Power: 700W, 1000W, 1500W

Current: 3A, 4.2A, 6.4A

Starting current: max 10× rated current / stabilization 0.2 sec

Recommended slow-blow fuse: type "C"

Dimensions: 595 × 330 × 100 mm

Weight: 4.0 kg

Protection class: IP20

Supply cable: high-temperature silicone with Uni-Schuko plug

Housing color: RAL 9010

