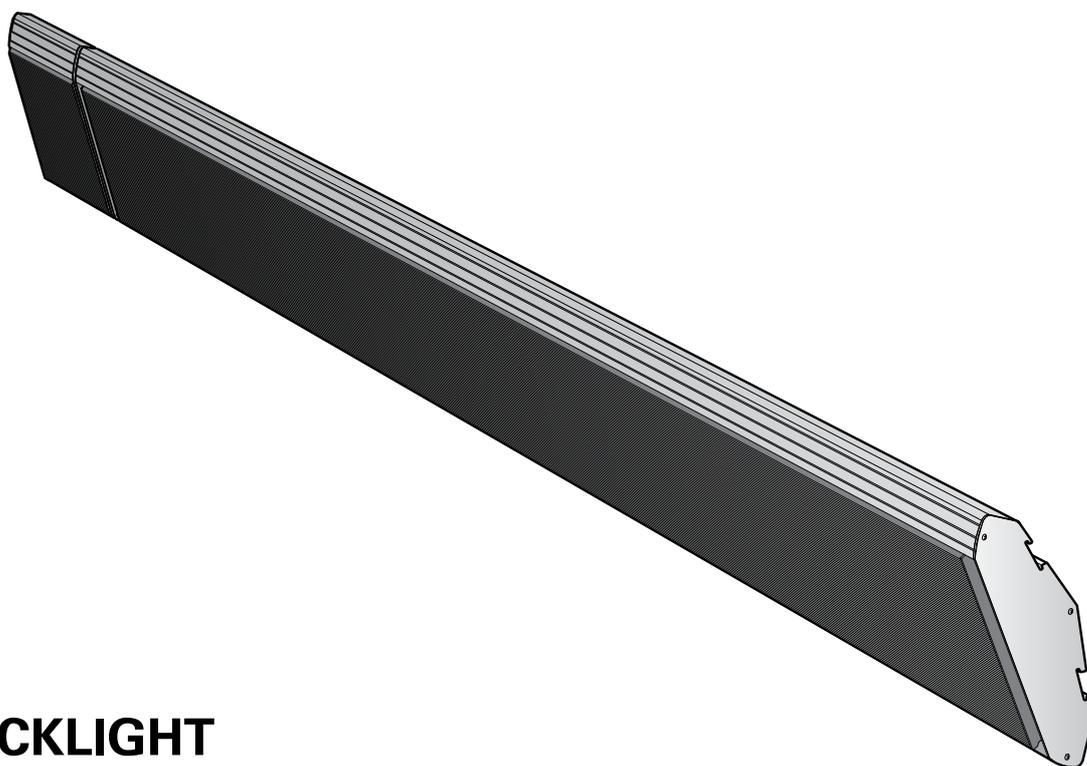


ESQ

ISO 9001



BLACKLIGHT

RISCALDATORE A RAGGI INFRAROSSI
INFRARED HEATER

USO E MANUTENZIONE

USE AND MAINTENANCE

EMPLOI ET ENTRETIEN

Classe I - IP55

GEBRAUCH UND WARTUNG

USO Y MANTENIMIENTO

CE

USO E MANUTENÇÃO

الاستعمال والصيانة

1. IMPORTANT SAFETY INSTRUCTIONS

Instructions should be carefully read before installation and retained by the user. The booklet must be kept and delivered to the new user in case of cession of the machine. The Manufacturer reserves the right to vary the features of the product without prior notice. The technical data are merely indicative.

1. This appliance is intended solely for the use it has been designed for, namely room and people heating. The Manufacturer is not responsible for any damage that could happen for improper use.
2. After unpacking make sure that the appliance is complete and shows no signs of visible damage or tampering.
3. Keep packing materials, which are potential dangers, away from children.
4. The device can be used by children at least 8 years (as well as by persons with reduced physical, sensory or mental capabilities, or lack of experience or required knowledge) provided that they are under surveillance, or after they have been instructed relating to the safe use and have understood the potential dangers. Children should not play with the appliance. Cleaning and maintenance must be performed by the user and not by unsupervised children.
5. Children of less than 3 years should be kept away unless continuously supervised.
6. Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
7. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
8. Before connecting the appliance make sure that the voltage is the same as indicated on the device and the line supply is corresponding to the effective rules.
9. Do not use in presence of gas, inflammable or explosive liquids or substances. Defined in BS5345.
10. Some fundamental rules which apply to all electrical devices must

be observed when using the heater:

- Do not touch the heater with wet hands.
- Do not handle with bare feet.
- Do not let children play with the electrical appliance.

11. Avoid the use of an extension cord with this product, because the extension cord may overheat and cause a risk of fire.
12. Do not apply any modification to the product.
13. Keep connections dry.
14. If the power supply cord is damaged, avoid to use the appliance. For power cord replacing, please contact the manufacturer or the technical service or a person with similar qualification, in order to avoid any risk.
15. If the appliance is not used for a long period, disconnect it from the power supply.
16. Always disconnect the appliance before doing any maintenance operation.



CAUTION - Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

2. ELECTRICAL INSTALLATION



The installation should always be carried out by a qualified electrician or a competent person in accordance with the current electrical standards:

HD 384 CENELEC for Mainland Europe, IEC 60446 and BS 7671 for the United Kingdom, IEC 60445(2010) & ET101:2008 for Ireland and IEC 60364-7-708 1988 Internationally.

The energy supply to the heater must always be properly earthed.

The appliance must be connected to energy supply line by means of the provided H05SS-F silicone cable.

An overvoltage category III Combined Circuit breaker and Residual Current Device (RCD) with rated earth leakage operation not exceeding 30mA must be fitted upstream on the supply line. The circuit breaker must have a contact opening distance of at least 3 mm.

- The heaters should always be installed only using the mounting

brackets provided or supplied as fittings.

- Under no circumstances turn the appliance on if it is on any surface.
- The appliance must not be recessed in the ceiling. There must be enough space around the top of the appliance to ensure adequate aeration. Use only the brackets supplied or the optional ones to fix the appliance.
- A minimum air gap of 30 cm should always be allowed between the top of the heater and a ceiling or roof. The appliance should be 50 cm far from the walls (fig. 1 and 3).
- A safety distance of not less than 100 cm should always be left in front of the Blacklight heaters or too near.
- This unit should be mounted at a minimum of 180 cm above ground level (fig. 1). If installed in a toilet, the height should be 225 cm in zone 1 and zone 2; in zone 3 the minimum above ground level is 180 cm, according with the rules of each Country.
- The appliance must not be located neither directly below, nor in front of a socket-outlet.
- The heater must be installed so as to prevent that the switches can be touched from those who are in the shower.
- Ensure that there is no possibility of inflammable material, combustible material or curtains coming into contact with the heater, or lie near the heater.
- The product is in class I and IP55, which is the protection rate for the units to be used even outdoor. For keeping the protection rate of the appliance, the connection of the appliance with the power supply must be done by means of a minimum IP55 system, as per the standards HD 384 CENELEC for Europe, or international IEC 60346-7-708 1988.

3. FITTING



Before being used, the heater must be fixed to the wall or to the ceiling by means of the provided supports, as described below. Before drilling the holes for the dowels, be sure that the wall is solid and that you are far from water tubes or electrical wires. Be sure that the heater is not facing the ceiling or inflammable materials.

1. Drill four holes in the wall, following the dimensions in the table below:

7815	7818	7824	7832
<p>Hole spacing (mm)</p> <p>The value of wheelbase 104 (*) must be respected, while those relating to the distance between the sliding brackets (**) are only recommended.</p>			

2. Fix the two supports (fig. 2 - pos. A) to the wall using dowels of appropriate size.
3. Mount the two brackets (fig. 2 - pos. B) on the back of the appliance, inserting and sliding them into the longitudinal slots.
4. Join together the parts previously set, adjusting at the same time the inclination of the appliance positioning on both sides the screws shown in Figure 2 - pos. C.

Mo-EI supplies on demand three optional brackets, shown in figure 3:

- Twin (cod. 7704)
- End to end (cod. 7705)
- Extension (cod. 7706)

4. USE

The Blacklight range includes appliances with wattages ranging between 1500 W and 3200 W, suitable for heating private homes as well as public premises (restaurants, pubs).

The appliances can be used indoors and outdoors (patios, verandas, balconies).

The heating element of this product is hygroscopic. To avoid risk of

failures it is necessary to operate the unit for a few hours every 6 months.



This heating appliance does not feature a device to control ambient temperature. Do not use it in small rooms used by people who are unable to leave such rooms on their own unless they are under constant surveillance.

All users should be made aware of all aspects of operation and safety and these instructions should be retained for reference.

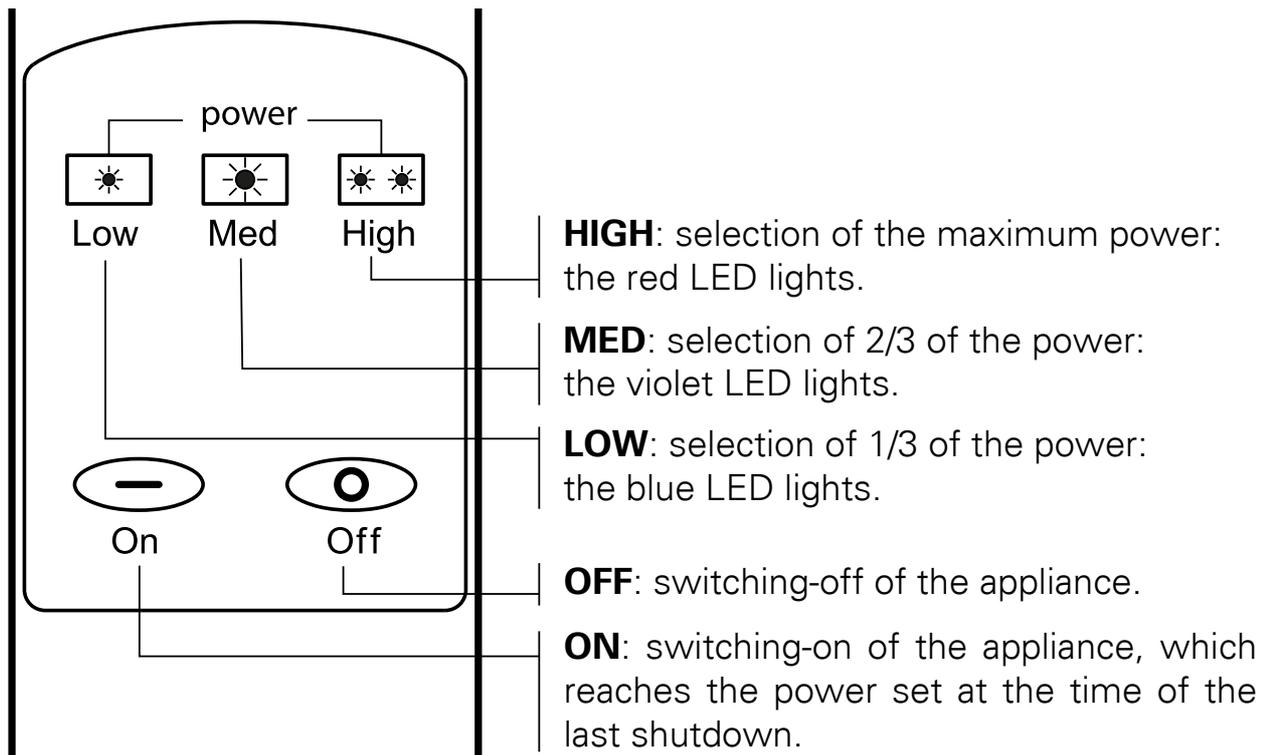
Make certain that the rays of the heater are aimed at the area to heat. If necessary, change the angle of inclination by acting on the lateral screws (fig. 2 - pos. C).

Do not use the heater directly near a bathtub, a shower, a swimming pool. In unoccupied premises it is recommended that the heating system is switched off and isolated from the electrical supply.

Models with remote control

In models with remote control, the operation is performed as follows:

1. Insert two 1.5 V - AAA type batteries (not included) into the remote control, matching the polarities.
2. Connect the appliance to the power supply: the blue LED lights.
3. Operate the remote control as shown in the picture



Wait 15-20 minutes after power to reach the maximum temperature.

5. CARE AND CLEANING



Before cleaning, be sure the appliance is disconnected from the power supply and allowed to cool. Never immerse the appliance in water or any other liquid.

To clean, use a soft damp cloth and then dry thoroughly. Make sure all parts are dry before using again.

Avoid the use of harsh detergents, solvents, and abrasive or aerosol cleaners as they may damage surfaces.

6. TECHNICAL SERVICE

If you have any question relevant your appliance, call the local authorized distributor or the nearest Service Centre. Every repairs should be carried on by an authorized Service Centre and also ask always for original spare parts.

7. TECHNICAL FEATURES

	7815	7818	7824	7832
Power supply	220-240 V ~ 50-60 Hz			
Power	1500 W	1800 W	2400 W	3200 W
Insulation Class	I	I	I	I
Protection level	IP55	IP55	IP55	IP55
Emission	IR-C	IR-C	IR-C	IR-C

8. ENVIRONMENTALLY COMPATIBLE DISPOSAL OF THE APPLIANCE

This product conforms to EU Directive 2002/96/EC.



This appliance bears the symbol of the barred waste bin. This indicates that, at the end of its useful life, it must not be disposed of as domestic waste, but must be taken to a collection centre for waste electrical and electronic equipment, or returned to a retailer on purchase of a replacement.



It is the user's responsibility to dispose of this appliance through the appropriate channels at the end of its useful life. Failure to do so may incur the penalties established by laws governing waste disposal.

Fig. 1

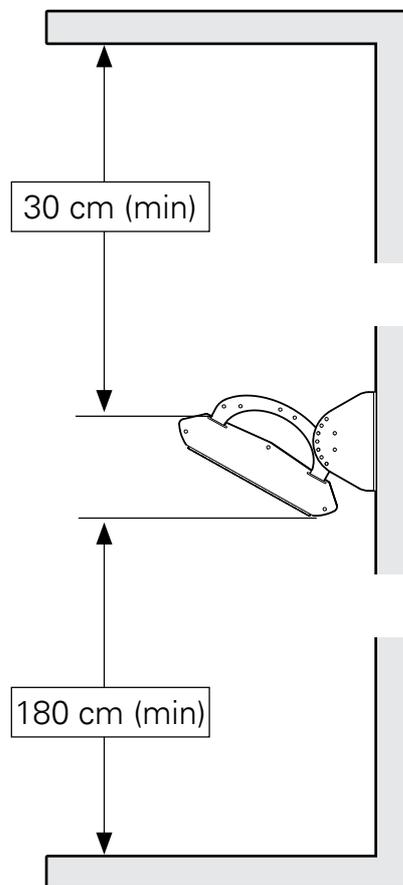
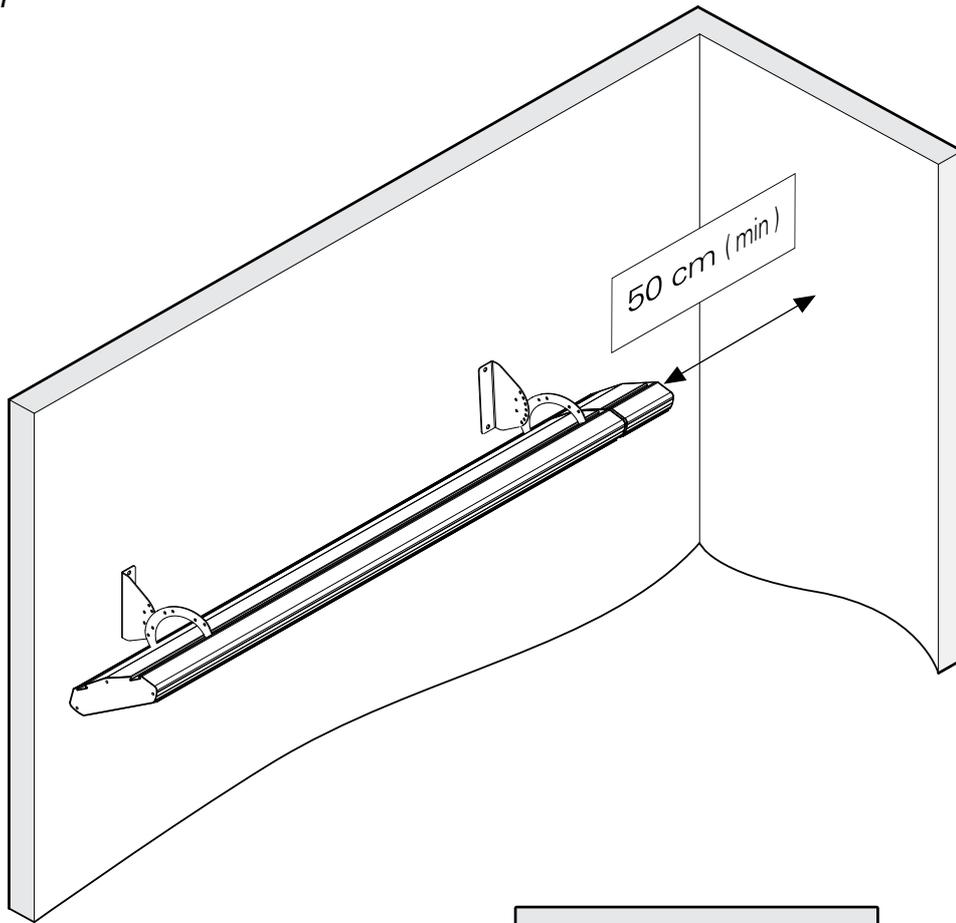
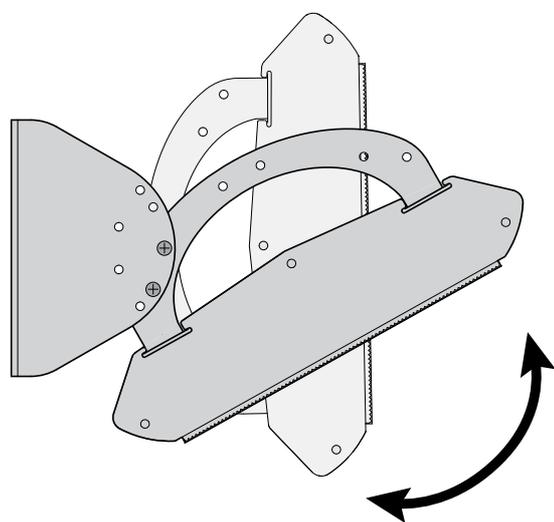
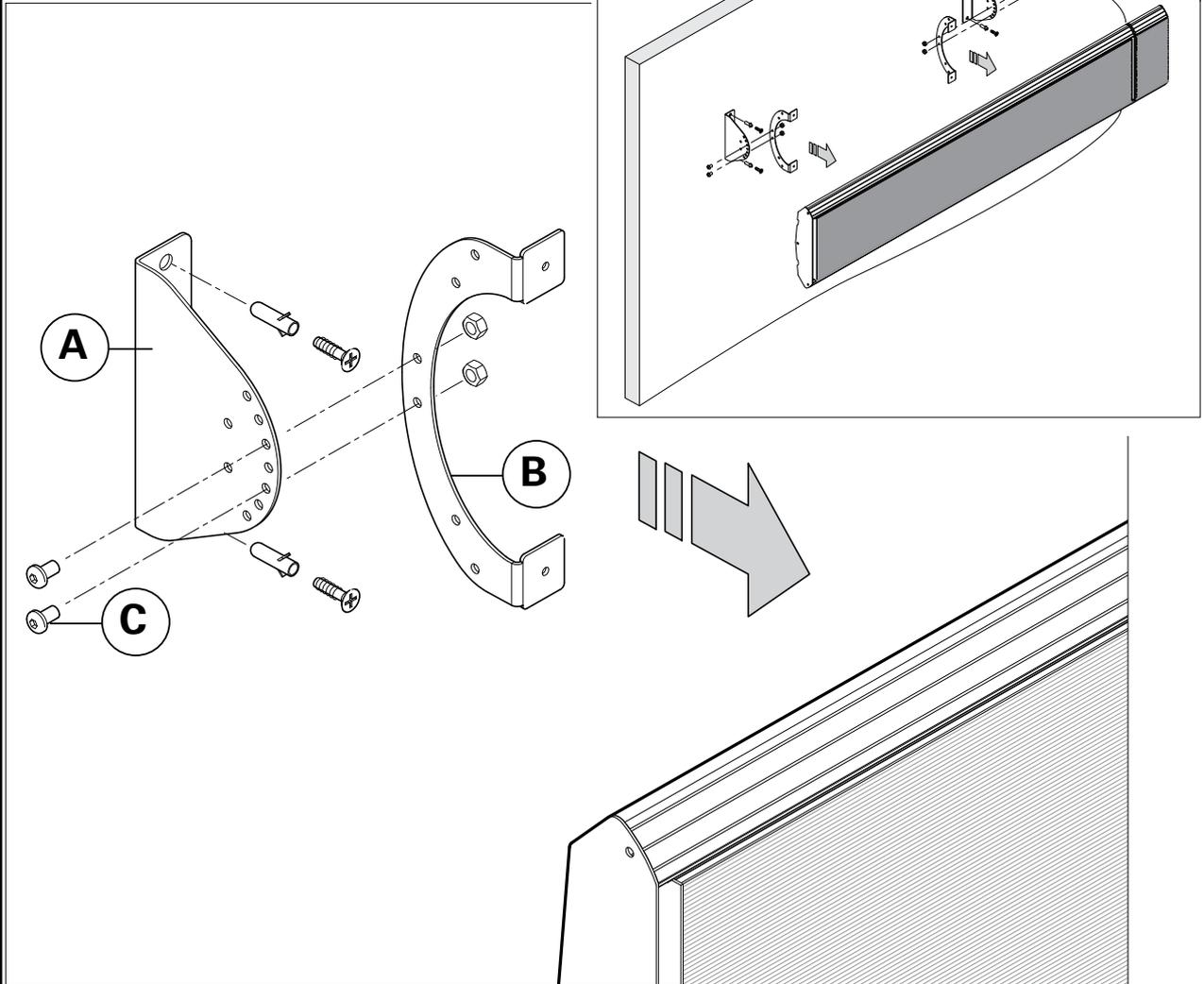
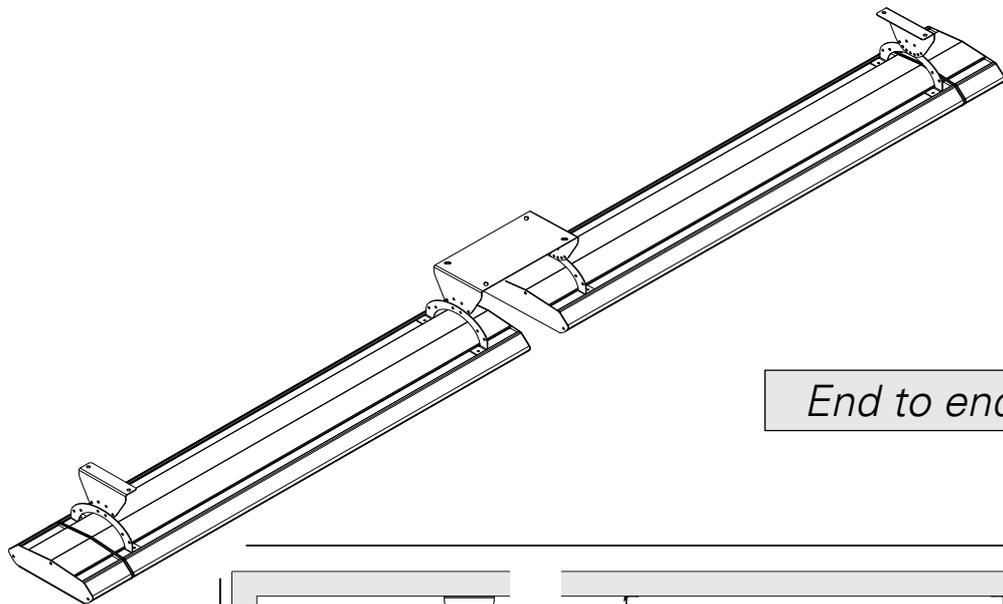
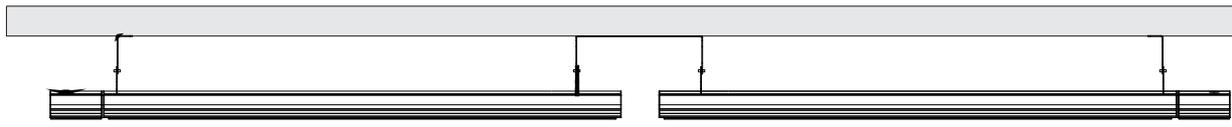


Fig. 2





End to end - 7705

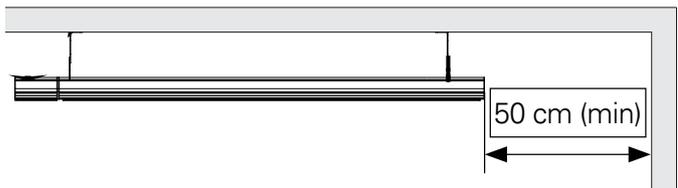
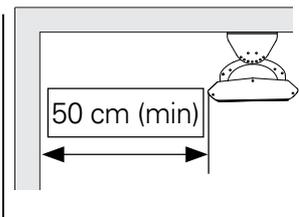
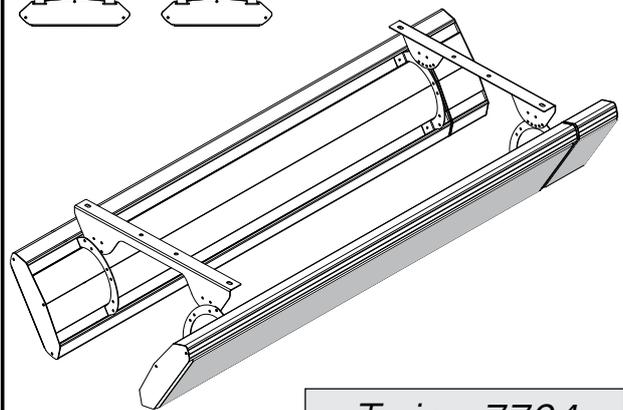
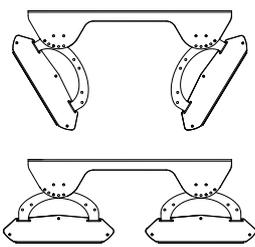
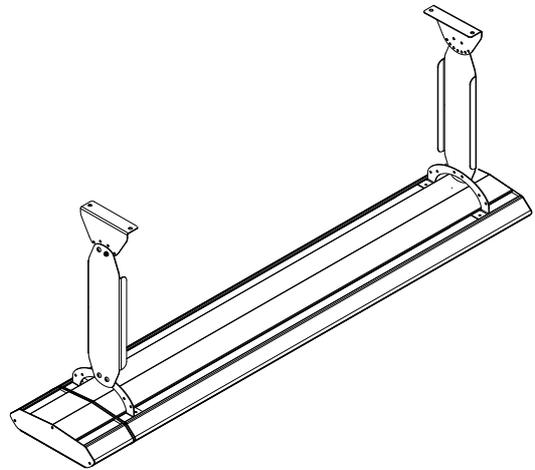
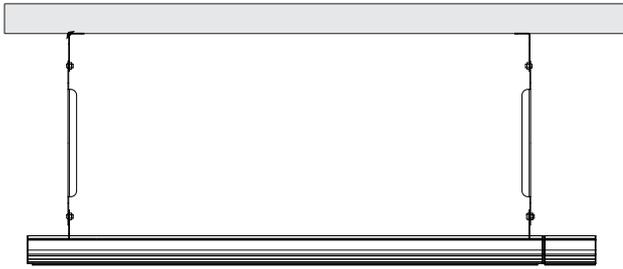


Fig. 3



Twin - 7704



Extension - 7706

