



INFRARED  
HEATING  
INSECT  
CONTROL  
HAND DRYERS  
HAIR DRYERS  
COOLING SYSTEM  
ZOOTECHNICS  
SANITIZATION

CATALOGUE

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# MOVING TOWARDS A BETTER WORLD



MADE IN ITALY



MO-EL is based in northern Italy and is largely recognized for its safe and strong outdoor products. Its range of products includes **HACCP insect control devices**, **indoor or outdoor heaters**, **hair and hand dryers**. Nowadays MO-EL's assortment includes a new and complete variety of **UV-C and O3 disinfection products**.

## ECOLOGY

No chemicals or toxic emissions. Taking inspiration from nature MO-EL's R&D applies the physical laws on useful items. Thus the heating products focus their warming beams where needed, **avoiding waste of energy**. Its insect traps do not destroy the microhabitats fauna of gardens but they are effective against annoying flying insects, such as flies and mosquitos. Components, materials and packaging are strictly selected on the basis of their durability, resistance and recyclability.

## SAFETY AND QUALITY

MO-EL's products are developed according with the strictest **safety regulations**, because we care about the people that will use them. All items are rigorously controlled by our engineers and tested in external laboratories such as **IMQ** in Italy, **ETL**, **UL** and **Bureau Veritas**. **ISO 9001:2015** certification guarantees the **high-quality standard** of MO-EL's products.

Since the 2000s, MO-EL has developed a range of products that stands out for **effectiveness**, **reliability**, and **aesthetics**. Today the company maintains all typical features of the Reggio-Emilia manufacturing way with an eye on the future and has created its market niche in over 80 countries worldwide, in which MO-EL proudly exports its products.

## MO-EL's THINKING

The production of the **CRI-CRI zapper** started in 1979 at the B&B company founded by Carlo Bertani. The B&B has been converted into MO-EL on July 1982.

Entomological literature has always explained that, self-preservation instinct guides **flying insects** towards humid environments. From their birth up to the moment of laying eggs, their life flows upon water, and it is the light that leads them to the water. It was just the matter of finding the right spectrum and the goal had been achieved. Thus, CRI-CRI zapper was born, the best real UV-A device with a 365 nm peak combined with electrocution: **strong**, **practical**, but above all, **effective!**

Nowadays, in Italy and all over the world, people, who really want to succeed on the battle against mosquitoes, cannot make it without CRI-CRI zappers or the other MO-EL's UV-A insect control devices: sticky panels or helix-suction system. Our last born suction trap, called the Moon, is an effective solution for killing flying insects, also in terraces and gardens.

Infrared heating and hygiene devices base their heating and disinfection capacity on their luminous spectrum.





# INFRARED HEATING FOR INDOOR & OUTDOOR



Mo-EL provides a complete and valuable range of infrared heaters, from 600W to 6000W of power, that are “energy-related products”. Therefore, they have been studied and designed with the aim of reducing both energy consumption and pollution, as required by the directive 2009/125/EC and we have continuously improved their performance as prescribed by the regulation commission 2015/1188.

Electric heaters represent an excellent alternative to traditional systems, as they exploit electricity that nowadays comes mainly from renewable sources, and avoid waste by focusing the heat only where required.

For **reaching and maintaining a specific thermal comfort**, the radiant heaters must be installed at a certain distance from the people. The distance depends both on the **wavelength and on the power** of each model, as you would find specified with a good approximation in this catalog and in the rest of our commercial documentation.

The temperatures specified in the graphic images inside this catalogue refer to data measured at MO-EL's laboratory.

The MO-EL radiant heaters intended for **outdoor locations** are **IP55 or IP65** certified.

MO-EL has a solution for every heating requirement and offers a wide range of appliances, each one with a **unique design** and **high reliability**:

- IR-A lamps for an **immediate** and effective **well-being**
- IR-B light for a **cozy warmth** and faint light
- IR-C electrical devices for an **involving heating without light emission**.
- **Low glare** lamps for heating without the indiscreetness of light.
- No protective glass\* to achieve **maximum energy efficiency**.
- **IP55 and IP65** protection. For outdoors installation.
- Line of dedicated **accessories and spare parts** always available.
- **IMQ** certification\*\*



A network of professionals throughout the national territory and a technical office for the thermal sizing of any work or leisure environment are available to the customer.

\* except for items 778A and Aaren

\*\* whereas indicated



# GETTING DEEPER INTO INFRARED IRRADIATION



## PRINCIPLES OF HEATING

There are three principles (or a combination of them) for **transferring heat** to a certain object:

**Conduction:** heat transfer is due to the direct contact between the source and the object to be heated.

**Convection:** heat transfer occurs thanks to a liquid or gaseous flow, which has been heated by the source.

**Radiation:** heat transfer is caused by the radiation emitted by an object, whose temperature is higher than that of the environment: in this way the objects around absorb the radiation.

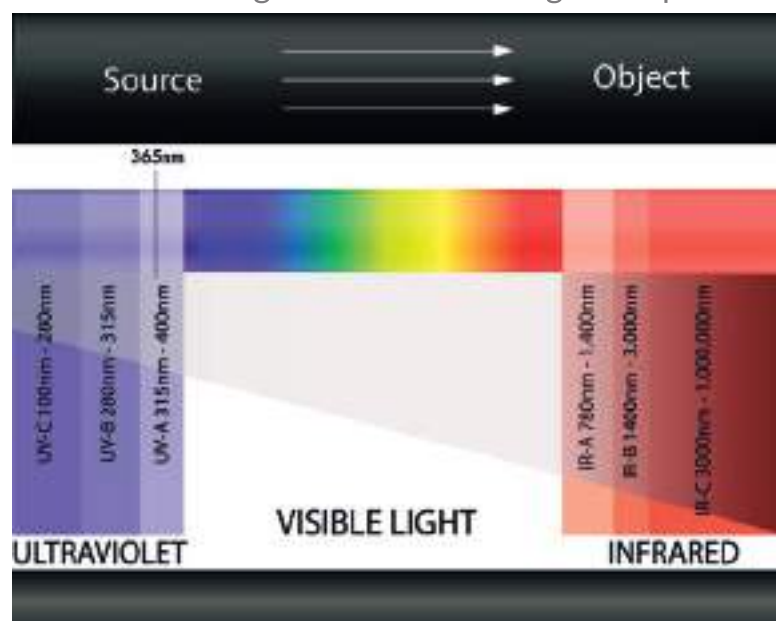
It is thus possible **to heat the areas where it is strictly necessary, saving the energy** that would have been spread to heat up large rooms or outdoor areas.

**Infrared sources (heat sources) radiate their energy in one or more wavelength bands.**

The spectral distribution of power depends on the temperature and the emitting properties of the radiant element; in fact, the infrared radiation can have the same power and have very different spectral distributions. The infrared band is divided into **IR-A, IR-B and IR-C**.

## THE SPECTRUM

The infrared range of the electromagnetic spectrum



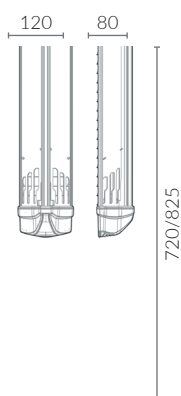


866NP - 866N - 866NRC

867NP - 867N - 867NRC

# IRIS IR-A

MADE IN ITALY



ART.868P  
POLE SUPPORT  
MOE868P



ART.868P  
SUN UMBRELLA  
BRACKET  
MOE868P

**IRIS** is the last short-wave infrared heater designed by MO-EL.

It combines its solid **Italian manufacturing** with **low consume and contemporary design**.

The versions 866NRC and 867NRC are equipped with remote control for an easier control of the ON/OFF setting. The remote control can activate various appliances, in fact it operates by infrared inputs.

**Made to last over time**, IRIS is made of nylon and aluminum and **can be completely recycled** at the end of its life cycle.

**Easy maintenance**: the lamp is replaceable; it is not necessary to completely disassemble the unit. Watch the tutorial on MO-EL's Youtube channel.

3 inclination settings for an **easier installation**.

IRIS is extremely **light** and it is suitable to be installed with the adjustable 1.5 mt retractable arm (models 4467 and 4469). IRIS is equipped with **wall bracket** (coming with the unit) but is also suitable for pole or sun umbrella installation if combined with pole bracket 868p (pole) or 868u (umbrella).

## OUTDOOR USE

IRIS is protected against dust and rain and **can be installed anywhere**. It focuses its heat only where it is really necessary.

**Versatile installation**: the wall mounting support is included in the package, in order to facilitate installation as much as possible. Its pole mounting support and the parasol support are supplied as accessories.

## SPECIAL FEATURES

**No rust** – made in aluminum and nylon PA enhanced with fiber glass.

Totally **silent**.

**From 1200 W up to 1800 W** of power.

Available with **remote control** (866NRC and 867NRC).

With adaptable wall bracket.

**White frozen lamp** – quartz and tungsten wire-

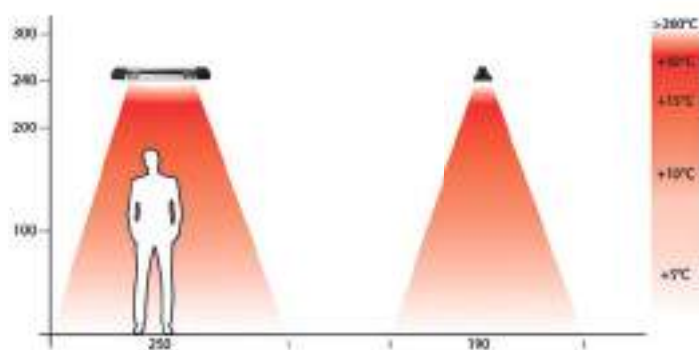
IRIS is protected against dust and rain, meeting the **IP65** standard.

It can be installed in any environment. IRIS is suitable for wall, pole or parasol positioning.

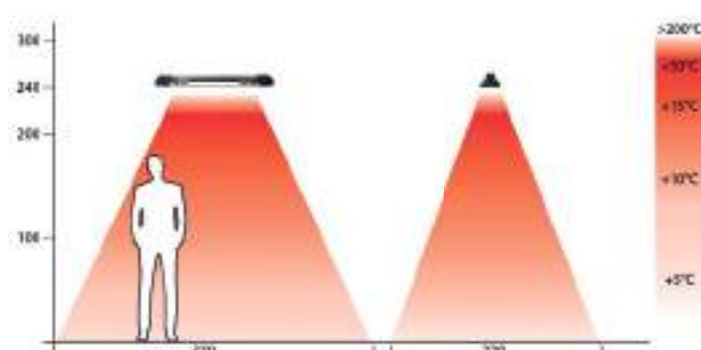
TECHNICAL FEATURES	866NP	866N	866NRC	867NP	867N	867NRC
Dimensions in mm	720x120x80	720x120x80	720x120x80	825x120x80	825x120x80	825x120x80
Weight	0,8 Kg	0,9 Kg	0,9 Kg	0,9 Kg	1,0 Kg	1,0 Kg
Power Supply	220-240V 50-60HZ	220-240V 50-60HZ	220-240V 50-60HZ	220-240V 50-60HZ	220-240V 50-60HZ	220-240V 50-60HZ
Total Consumption	1200W	1200W	1200W	1800W	1800W	1800W
Infrared Lamp	Frozen	Frozen	Frozen	Frozen	Frozen	Frozen
Lamp Life	5000 h	5000 h	5000 h	5000 h	5000 h	5000 h
Range of Action	4-6 mq	4-6 mq	4-6 mq	6-8 mq	6-8 mq	6-8 mq
Cable	-	H05RN-F	H05RN-F	-	H05RN-F	H05RN-F
IP Rate	IP55	IP55	IP55	IP55	IP55	IP55
Insulating Class	I	I	I	I	I	I
Spectrum of Light	IR-A	IR-A	IR-A	IR-A	IR-A	IR-A
Switch and Plug	-	Yes	Yes	-	Yes	Yes
Remote Control	-	-	Yes	-	-	Yes
EAN Code	MOE866NP	MOE866N	MOE866NRC	MOE867NP	MOE867N	MOE867NRC
SPARE LAMPS	002450	002450	002450	002781	002781	002781



866NP | 866N | 866NRC



867NP | 867N | 867NRC



Effective Indoor and Outdoor



IP55



# FIORE BLACK IR-A

MADE IN ITALY



**ART.768PN**  
POLE BRACKET FOR FIORE  
BLACK Ø MAX. 60 MM  
MOE768PN



**ART.768MN**  
ADJUSTABLE WALL BRACKET  
FOR FIORE BLACK  
MOE768MN

**FIORE** is well-known for its **high efficiency and immediate warmth**. FIORE focuses its warming rays towards your target.

MO-EL IR-A products start warming as soon as you turn them on. They absorb electricity and convert it into pleasant heat. Efficiency is guaranteed, in fact there are no glass obstructions that would reduce the power of its heating rays. The aluminum reflecting element directs light frontally. For this reason, the heat is concentrated where needed, while the rear surface remains cold.

Made in aluminum and nylon (+ glass fiber), FIORE doesn't rust. Being IP65 rated, it is protected against dust and water and can be installed both **indoor or outdoor**. Air flow, wind or humidity do not affect its efficiency.

The working cost is cheap if compared with other heating systems, such as propane gas.

FIORE is **the perfect solution for small or large environments** requiring immediate, **silent and safe** heating.

## SPECIAL FEATURES

Totally **silent**.

**From 1200 W up to 1800 W** of power.

**White frozen lamp** – quartz and tungsten wire.

Coming with chains for ceiling fastening.

**No rust** – made in aluminum and nylon PA enhanced with fiber glass.

Effective **indoor and outdoor**.

FIORE is protected against dust and rain, meeting the **IP65** standard.

It can be installed in any environment.

It is suitable for wall, pole or parasols positioning.



## TECHNICAL FEATURES

Dimensions in mm  
Weight  
Power Supply  
Total Consumption  
Infrared Lamp  
Lamp Life  
Range of Action  
Cable  
IP Rate  
Insulating Class  
Spectrum of Light  
Switch and Plug  
EAN Code  
SPARE LAMPS

### 766N

712x112x83h  
0,95 Kg  
220-230V 50-60HZ  
1200W  
Frozen  
5000 h  
4-6 mq  
H05RN-F  
IP65  
I  
IR-A  
Yes  
MOE766N  
002450

### 766NP

712x112x83h  
0,65 Kg  
220-230V 50-60HZ  
1200W  
Frozen  
5000 h  
4-6 mq  
-  
IP65  
I  
IR-A  
-  
MOE766NP  
002450

### 767N

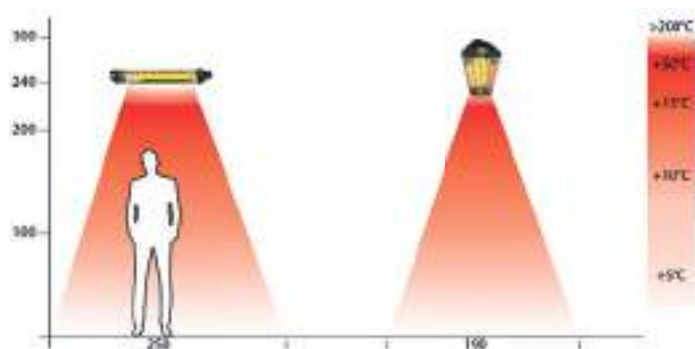
836x112x83h  
1,0 Kg  
220-230V 50-60HZ  
1760W  
Frozen  
5000 h  
8-10 mq  
H05RN-F  
IP65  
I  
IR-A  
Yes  
MOE767N  
002781

### 767NP

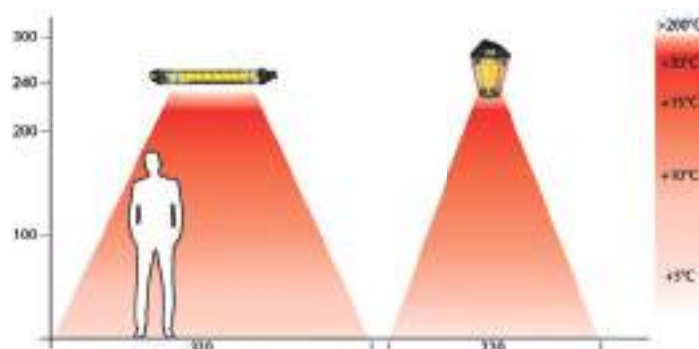
836x112x83h  
0,9 Kg  
220-230V 50-60HZ  
1760W  
Frozen  
5000 h  
8-10 mq  
-  
IP65  
I  
IR-A  
-  
MOE767NP  
002781



766N | 766NP



767N | 767NP



Effective Indoor and Outdoor



IP65

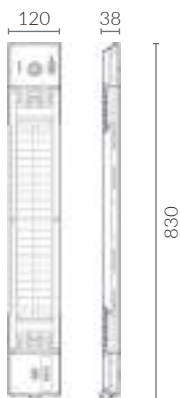


722WPL- 722WRC

728 - 728WP - 728WRC

# PETALO IR-A

MADE IN ITALY



ART.4466  
WALL  
BRACKET  
MOE4466



ART.006131  
ANTI SALT  
STAINLESS  
STEEL GRILL

PETALO is perfect for **outdoor or indoor** environments. **Silent, odorless, clean**, does not blow dust and does not burn oxygen.

It is **easy to focus** its heating rays selecting the interested spots, useless energy dispersion. PETALO has been designed by Pino Spagnolo aiming to minimize its encumbrance volume on the wall. Available both in the **ruby lamp version**, with characteristic ruby-colored reflections, and in the **frozen version**, for a milder light with amber tones.



**AVAILABLE WITH RUBY LAMP**

## SPECIAL FEATURES

Totally **silent**.

**From 1200 W up to 1800 W** of power.

Available with remote control (722WRC and 728WRC).

Coming with chains for ceiling fastening.

**White frozen lamp** – quartz and tungsten wire, also available with **ruby lamp** (model 728).

Made in chromed steel, stainless steel AISI 304 and 430, aluminum and nylon PA enhanced with fiber glass.

PETALO is protected against dust and rain, meeting the **IP55** standard.

It can be installed in any environment.

PETALO is suitable for wall, pole or parasols positioning.



## TECHNICAL FEATURES

Dimensions  
Weight  
Power Supply  
Lamp  
Spectrum of Light  
Remote Control  
Cable and Switch  
Power  
Range of Action  
EAN Code



SPARE LAMPS

### 722WPL

830x38x120 mm  
1,6 Kg  
220-240V 50-60HZ  
frozen  
IR-A  
-  
-  
1200W  
4-6 mq  
MOE722WPL  
005780

### 722WRC

830x38x120 mm  
1,8 Kg  
220-240V 50-60HZ  
frozen  
IR-A  
Yes  
Yes  
1200W  
4-6 mq  
MOE722WRC  
005780

### 728

830x38x120 mm  
1,8 Kg  
220-240V 50-60HZ  
ruby  
IR-A  
-  
Yes  
1800W  
6-8 mq  
MOE728  
003024

### 728WP

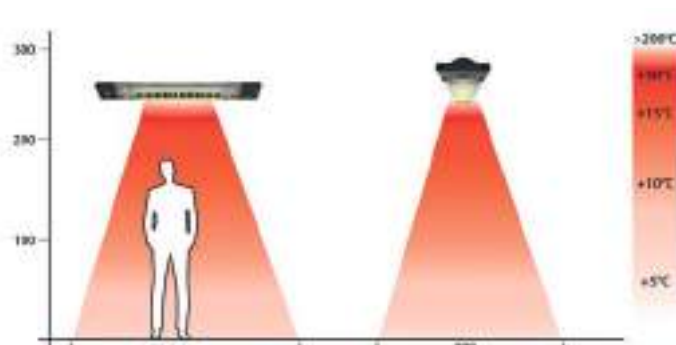
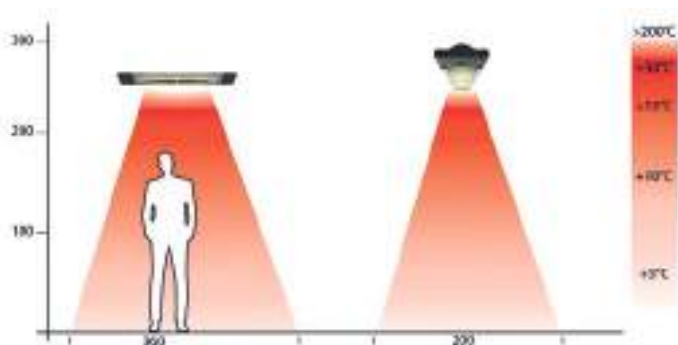
830x38x120 mm  
1,6 Kg  
220-240V 50-60HZ  
frozen  
IR-A  
-  
-  
1800W  
6-8 mq  
MOE728WP  
002781

### 728WRC

830x38x120 mm  
1,8 Kg  
220-240V 50-60HZ  
frozen  
IR-A  
Yes  
Yes  
1800W  
6-8 mq  
MOE728WRC  
002781

## 722WPL | 722WRC

## 728 | 728WP | 728WRC



## Effective Indoor and Outdoor



IP55



712N - 718N

# SHARKLITE

## IR-A

MADE IN ITALY

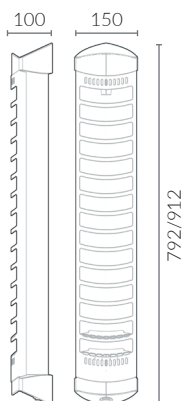
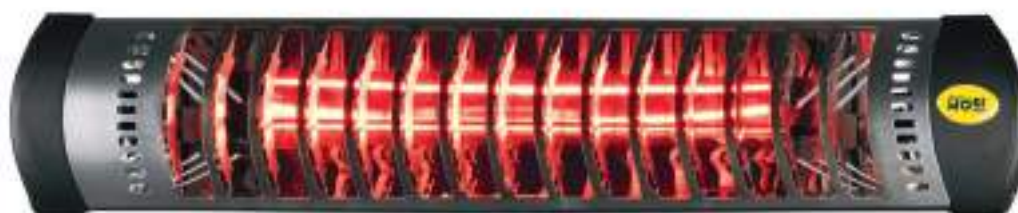
### TECHNICAL FEATURES



### 712N

### 718N

Dimensions	792x150x100 mm	912x150x100mm
Weight	1,4 Kg	1,6 Kg
Power Supply	220-240V 50-60HZ	220-240V 50-60HZ
Lamp	RUBY (1200W)	RUBY (1800W)
Spectrum of Light	IR-A	IR-A
Optional	Wall Bracket	Wall Bracket
Power	1200W	1800W
Range of Action	4 - 6 mq	8 - 10 mq
IP Rate	IP55	IP55
Cable / Switch	Yes	Yes
EAN Code	MOE712N	MOE718N
SPARE LAMPS	003018	003024



**SHARKLITE** comes with **larger and stronger body** compared to Fiore ad Iris. Its deeper aluminum reflecting elements enhance the lamp effect and enlarge its range of action. Metal parts are made in aluminum, whereas the plastic parts are made in nylon and fiber glass.

**Robust and resistant** to oxidation, dust, weather conditions and UV radiations.

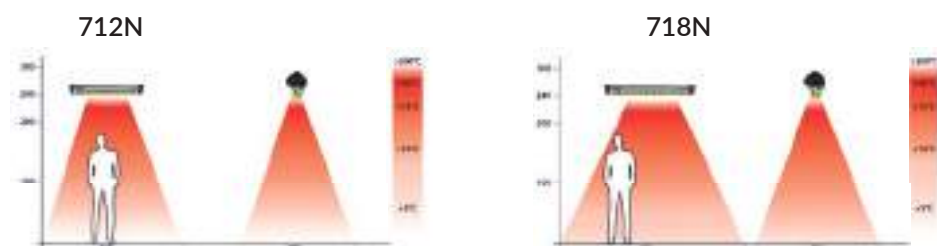
SHARKLITE is rated **IP55** and is certified by **IMQ**.

Resistance to shocks is guaranteed by a robust grille and the lateral silicone lamp holders.

SHARKLITE comes with its own robust wall bracket.

### Technological innovation

The production of the parabolic reflector and of the protection grid is realized by programmed curvilinear bending. This technique permits to achieve the maximum geometric precision, **the best irradiation efficiency** and at the same time it decreases costs and weight.



### SPECIAL FEATURES

**From 1200 W up to 1800 W** of power.

Coming with wall bracket.

**Ruby lamp.**

**No rust** – made in aluminum and nylon PA enhanced with fiber glass.

Effective **indoor and outdoor**.

Totally **silent**.



ART. 868P  
POLE BRACKET  
MOE868P

IP55



799 - 798 - 797

# LUCCIOLA

## IR-A

MADE IN ITALY

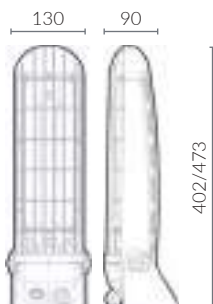
### TECHNICAL FEATURES

Dimensions  
Weight  
Power Supply  
Lamp  
Spectrum of Light  
Optional  
Power  
Range of Action  
Cable / Switch  
EAN Code



SPARE LAMPS

799	798	797
40x13,2x9 cm	40x13,2x9 cm	47x13,2x9 cm
0,9 Kg	0,9 Kg	1 Kg
220-240V 50-60HZ	220-240V 50-60HZ	220-240V 50-60HZ
ruby	ruby	ruby
IR-A	IR-A	IR-A
Wall Bracket	Wall Bracket	Wall Bracket
600W	800W	1200W
3-4 mq	4-5 mq	5-6 mq
Yes	Yes	Yes
MOE799	MOE798	MOE797
003947	005756	005757



ART.789  
ITEM 789 POLE  
BRACKET  
Ø MAX. 46 MM  
MOE789

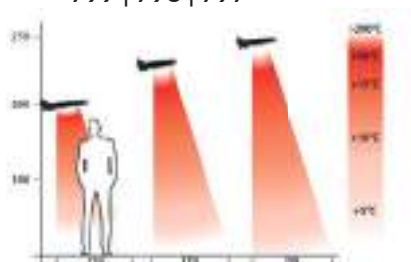
### LUCCIOLA is compact, light and versatile.

Available at **600 W, 800 W, and 1200 W**, LUCCIOLA has been designed for being installed on the slats of sun umbrellas.

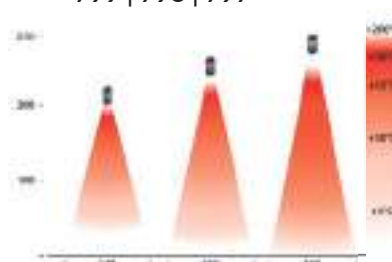
Thank to its integrated compact bracket, LUCCIOLA encumbers less than 15 by 15 cm when secured on walls. It is possible to fasten it on poles, matching it with optional bracket 789. In your garden, on the patio, in the veranda of your room, you will get **immediate heat, low consumption and IP65 protection.**

LUCCIOLA is a MO-EL product, made with **innovative nylon shell combined with ruby lamp.** It is suitable for horizontally or inclined positioning.

799 | 798 | 797



799 | 798 | 797



### SPECIAL FEATURES

**From 600 W up to 1200 W.**

Ruby lamp.

**Lamp 5000 h life time.**

Coming with compact wall bracket.

Minimal encumbrance on walls.

**No rust** – made in aluminum nylon PA enhanced with fiber glass.

LUCCIOLA is protected against dust and rain, meeting the IP65 standard.

It can be installed in any environment. It is suitable for wall, pole or parasols positioning.

Special for parasol, with innovative nylon shell: it is possible to fold up the sun umbrella in a short time after switching off.

Totally **silent.**

IP65





769T - 769N - 769NS

# GIROSOLE

## IR-A

### TECHNICAL FEATURES

	769T	769N	769NS
Dimensions in cm	84,2x94x214	84,2x94x52	84,2x94x214
Weight	21 Kg	6 Kg	18 Kg
Power Supply	220-230V 380-400V	220-230V 380-400V	220-230V 380-400V
Power	3X1200W	3X1200W	3X1200
Cable	Permanent Installation	Permanent Installation	Permanent Installation
IP RAt	IP65	IP65	IP65
Insulating Class	I	I	I
Lamp Life	5000 h	5000 h	5000 h
Lamps	Quartz	Quartz	Quartz
Switch	Yes	Yes	Yes
Table	Yes	No	No
Pole	anthracite black	ceiling	anthracite black
EAN Code	8010114769030	8010114769047	8010114769023



SPARE LAMPS 002450

002450

002450

MADE IN ITALY



PURSE HOOK



LESS GREENHOUSE EFFECT NO GAS NO CO2 MORE PERFORMANT COMPARED WITH GAS

Device	Consumption	Cost	Operating Cost
GAS HEATER	3,5 l/h	1,10 €/l	3,85 €/h
ITEM 769	3,6 Kwh	0,20*€/Kwh	0,72 €/h

SAVING 3,13 €/h

\*EXCLUDING VAT



**GIROSOLE warms all around** within a diameter of 4 meters. It is composed of three 1200 W Fiore units fixed on a single support. It allows you to rationalize the heated area by dividing it into 3 sectors. To turn a sector on or off, simply activate the switches on the thermal unit. The 004380 table accessory makes GIROSOLE the ideal support point for aperitifs or snacks.

From today it is possible to furnish and heat with a single product. It is possible **to place it in any place** using a connection (single-phase or three-phase) with the same water dust protection rate IP65.

**Impact resistance** is ensured by strong grille and silicone lamp holders (IK07) that protect the lamp from shocks and vibrations.

Equipped with rubber bumpers, **it does not scratch the surfaces on which it is laid.**

### SPECIAL FEATURES

**From 1200 W up to 3600 W** of power.

3 independent and settable heating spots.

**White frozen lamp** – quartz and tungsten wire.

**No rust** – made in aluminum and nylon PA enhanced with fiber glass.

Effective **indoor and outdoor.**

Protected against dust and rain, meeting the **IP65** standard. It can be installed in any environment.

Available as free standing, free standing + table + purse hooks, or ceiling installation.

Low maintenance – zero refill storage.

Totally **silent.**

IP65



739 - 73901 - 73902

# AMERICAN BAR IR-A

MADE IN ITALY

## TECHNICAL FEATURES

Dimensions in mm  
Weight  
Power Supply  
Power  
Cable  
IP Rate  
Insulating Class  
Luminous Spectrum  
Switch  
Pole and Table  
Crown (color and brand)  
EAN Code 739  
EAN Code 73901  
EAN Code 73902

**739/73901/73902**

840x770x2200  
30 Kg  
220-240V 50-60 HZ  
3x 600 / 800 / 1200W  
-  
IP65  
I  
IR-A  
Yes (3)  
anthracite black  
customizable  
8010114773003  
8010114003141  
8010114005220



**AMERICANBAR** is the perfect alternative to patio heaters.

With only 1800 W (or 2400W or 3600W) of power (less than a standard electric heater) it is possible to warm up a space of **16 sqm** without storage and gas burning problems.

Customization: it is possible to get **AMERICANBAR with your own brand**, just ask for your own customized edition. **Color, brand and logo will be extremely visible all around!**

## SPECIAL FEATURES

**From 1200 W up to 3600 W** of power.

3 independent and settable heating spots.

**White frozen lamp** – quartz and tungsten wire.

**No rust** – made in aluminum and nylon PA enhanced with fiber glass.

Effective **indoor and outdoor**.

Protected against dust and rain, meeting the **IP65** standard. It can be installed in any environment.

Available as free standing, free standing + table + purse hooks, or ceiling installation.

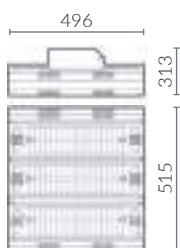
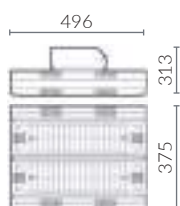
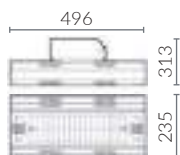
Low maintenance – zero refill storage.

Totally **silent**.

**IP65**

# HATHOR IR-A

MADE IN ITALY



ART.868P  
POLE SUPPORT  
MOE868P

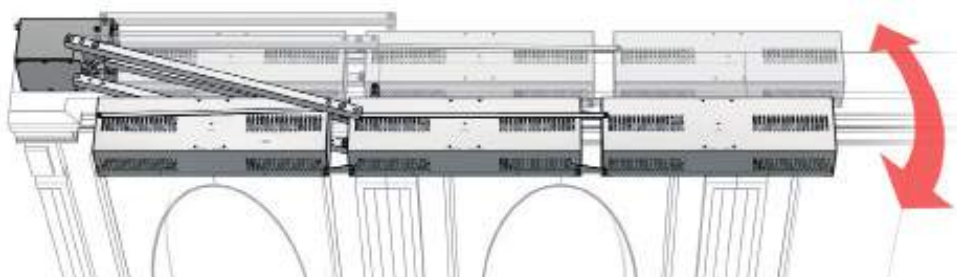
## HIGH CEILING

Whatever the distance, **HATHOR is the right solution for auditoriums, halls, large indoor or outdoor areas.** HATHOR is totally **silent**, it warms up efficiently a large area also if positioned at more than 5 mt highness, these features make HATHOR perfect for contemplative and worship venues.

HATHOR supplies **more than 18°C of temperature increment** at a distance of 5 meters (item 793).

## CULTURAL HERITAGE

MO-EL has developed a motorization system suitable for hiding the heating devices when out of duty. This automated retractable mechanism intelligently combines the effectiveness of IR-A heaters with the directives of the superintendence of architectural heritage.



## TECHNICAL FEATURES

Dimensions  
Weight  
Power Supply  
Lamp  
Spectrum of Light  
Optional  
Power  
Range of Action  
EAN Code



SPARE LAMPS

79104

235x496x313 mm  
1,7 Kg  
220-240V 50-60HZ  
gold  
IR-A  
Wall Bracket  
2000W  
9-12 mq  
8010114004100

004722

79204

375x496x313mm  
2,4 Kg  
220-240V 50-60HZ  
gold  
IR-A  
Wall Bracket  
4000W  
12-16 mq  
8010114004223

004722

79304

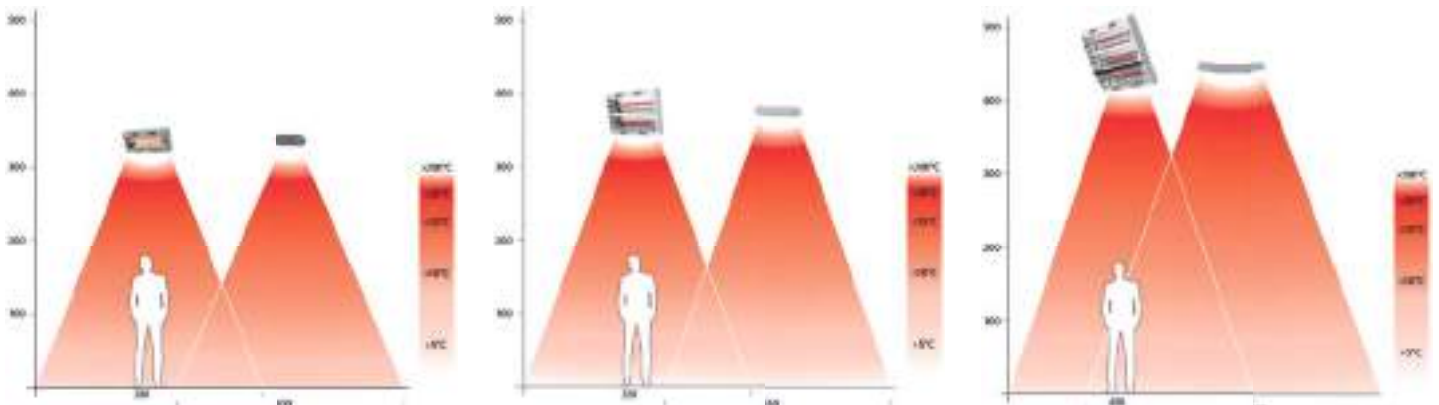
515x496x313 mm  
3,0 Kg  
380-415V 50-60HZ  
gold  
IR-A  
Wall Bracket  
6000W  
16-20 mq  
8010114004285

004722

79104

79204

79304



## SPECIAL FEATURES

Coming with wall bracket.  
Effective at high mounting heights as well.  
**IP55** water and dust protection.  
**Resistant.**  
IR-A efficiency combined with minimum brightness.  
Totally **silent**.

SUPPLIED WITH WALL BRACKET

IP55

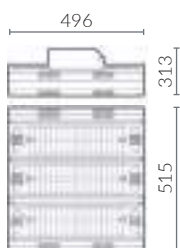
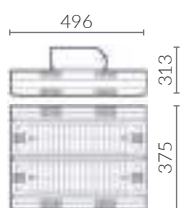
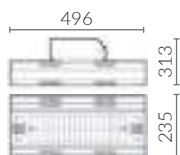


791LGW - 792LGW - 793LGW

# HATHOR IR-A

## LOW GLARE WHITE

MADE IN ITALY



ART.868P  
POLE SUPPORT  
MOE868P

**HATHOR versatile heating system, designed for commercial, industrial and intensive use.**

HATHOR supplies **more than 18°C of temperature increment** at a distance of 5 meters (item 793). HATHOR is suitable for environments with high ceilings, such as sheds, churches or outdoors.

The **excellent performance** makes it compatible for use in mechanical workshops. It is not afraid of air currents, rain or dust, so it is particularly suitable for installation in areas with high traffic density, such as restaurants or industrial buildings. HATHOR is suitable for outdoor use; in fact it is rated IP55.

High performance low glare, LGW version emits only 7 lux (791LGW at a distance of 3 meters) its luminous emission doesn't interfere with the surrounding atmosphere. Deep range of action, IP55, extra strong wall bracket.

### SPECIAL FEATURES

Coming with wall bracket.

Effective at high mounting heights as well.

IP55 water and dust protection.

**Resistant.**

IR-A efficiency combined with minimum brightness.

Totally **silent**.



# TECHNICAL FEATURES

Dimensions  
Weight  
Power Supply  
Lamp  
Spectrum of Light  
Optional  
Power  
Range of Action  
EAN Code



SPARE LAMPS

## 791LGW

235x496x313 mm  
1,9 Kg  
220-240V 50-60HZ  
LOW GLARE  
IR-A  
Wall Bracket  
2000W  
9-12 mq  
8010114791017

004623

## 792LGW

375x496x313mm  
2,9 Kg  
220-240V 50-60HZ  
LOW GLARE  
IR-A  
Wall Bracket  
4000W  
12-16 mq  
8010114792014

004623

## 793LGW

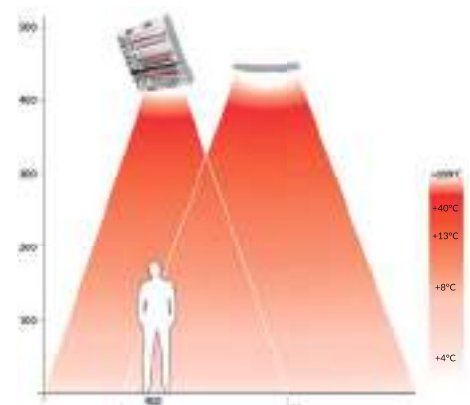
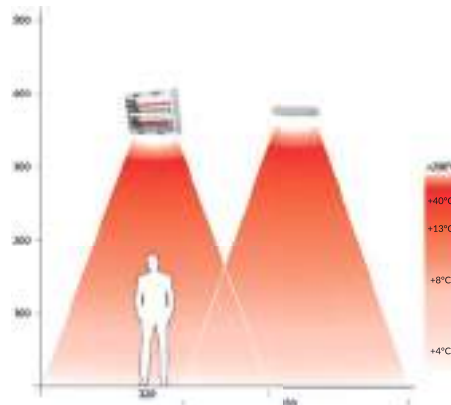
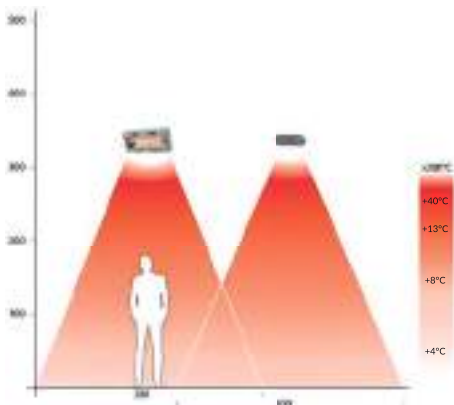
515x496x313 mm  
3,6 Kg  
380-415V 50-60HZ  
LOW GLARE  
IR-A  
Wall Bracket  
6000W  
16-20 mq  
8010114793011

004623

791LGW

792LGW

793LGW



SUPPLIED WITH WALL BRACKET

IP55



778A

# ITEM 778A

## IR-A

### TECHNICAL FEATURES

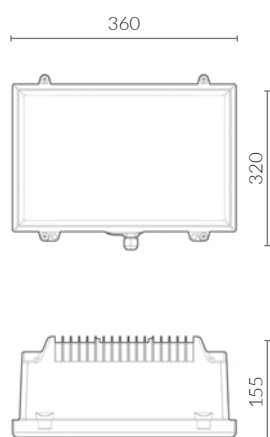
778A

Dimensions in mm	360x155x320
Weight	3,7 Kg
Power Supply	230-240V 50-60HZ
Lamp	800W ruby
Spectrum of Light	IR-A
Coming with	Wall Bracket
Range of Action	4-6 mq
EAN Code	MOE778A



SPARE LAMPS

006076



Item **778A** model with glass protection.

The tempered glass surface and the shape of the appliance facilitate cleaning.

The **IP55** water jet protection also makes it **easy and safe to wash. Suitable for farming.**

Lamps are screened from dust and organic parts in order to prolong their efficiency in dusty places.

**45° inclination is recommended for installation**



### SPECIAL FEATURES

**Easy** cleaning.

Heavy **duty**.

Totally **silent**.

**IP55**



# HOT-TOP IR-C HEATERS

**Long-wave** MO-EL IR-C heaters offer a **pleasant feeling of warmth** and enveloping tones. Attention to performance and appearance come together to create a prestigious heater that creates a comfortable warmth zone around people. While ensuring the **efficiency** of the heating, it allows the control of energy consumption.

**HOT-TOP is rated IP55** protected against water and dust and it is suitable for **indoor and outdoor** applications. Available **from 1500 up to 3200 W** of power plus optional dimmer settings.

HOT-TOP combines the elegant shapes of a minimalist design with the laws of physics.

HOT-TOP has been developed in team with the engineers of the **Enzo Ferrari department of the Università di Modena e Reggio Emilia**. Its heating diffusion is inspired by the radiator installed on racing cars.

**This is how its heating diffuser amplifies the natural radiation** of heat by exploiting the emissivity linked to temperature and color to optimize efficiency. It converts maximum energy into **cozy warmth**. The emitter is grooved to direct the radiation and widen the emission surface as much as possible.

Thus, the **black surface of the reflecting body** emits maximum radiation at any temperature or wavelength. The black surface and the thickness of the anodization have been calculated to maximize emissivity.

A cross section with decreasing thickness draws heat from the heating elements to spread it evenly up to the sides. The longitudinal ribs increase the radiating surface intensifying the irradiation and allowing the rays to spread further, expanding the range of action accordingly. The optimization of the insulation between the radiant and the upper body allows to transmit the highest possible percentage of heat to the target to be warmed.

The insulation system includes special technical measures to minimize the effects of thermal bridges. **The durability** of the product is **guaranteed by a careful choice of materials**.

**The armored heating elements are sealed in order to meet the IP67 standard** and preserve them from humidity, thus safeguarding their life span and avoiding short circuits. The operating temperature is 340 °c to maximize the emission of infrared rays remaining below the limits of decay of the anodization.

HOT-TOP creates a **comfortable and embracing atmosphere**. Modern lines and **Italian design** are perfect for environments characterized by elegance and innovation.

**Easy to install and to adjust**, it is perfect for both public places and home environments.

**Elegant**, solid-looking. Satin black is chosen by architects to warm up people in an elegant and efficient way.

**Silent**, without light.

**From 1350 W up to 3200 W of total power**. Dimmer versions can be controlled by **remote control** at 1/3, 2/3 or full power.

Black 9815 - 9818 - 9824 - 9832

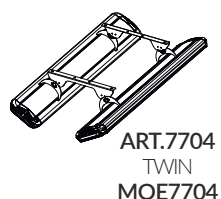
Silver 9815S - 9818S - 9824S - 9832S

# HOT-TOP

MADE IN ITALY



Available in Black and Silver colourways



**HOT-TOP** creates a **comfortable and embracing atmosphere**. Modern lines and **Italian design** are perfect for environments characterized by **elegance and innovation**.

**Easy to install and to adjust**, it is perfect for both public places and home environments, developed in cooperation with the University of Modena, it converts maximum energy into **cozy warmth**.

The emitter is grooved to direct the radiation and widen the emission surface as much as possible. The anodization has a thickness calculated to reach the maximum emission temperature compatible with the life of the materials. Between the emitter and the body there are 2 layers of insulation and only 3 bridges, so as to retain as much energy as possible on the emitter, avoiding wasting it upwards.

The armored heating elements are **IP67 certified** and reach temperatures below the decay limits, to guarantee the product a very **long life**. At the end of life the product is still **easily recyclable** because it is composed almost exclusively of aluminum and rock wool.

## SPECIAL FEATURES

Coming with adjustable wall bracket.

**From 1350 W up to 3200 W** of power.

With black heat **resistant** paint coating.

Technology inspired by the radiator installed on racing cars.

Warm with enveloping tone.

Coming with 2 sheathed heating elements.



# TECHNICAL FEATURES

Dimensions in cm  
Weight  
Power Supply  
Power  
Items  
Cable  
IP Rate  
Insulating Class  
Radiating Element  
Bodywork  
EAN Code

9815

110x20,1x5,8 cm  
5,70 Kg  
220-230V 50-60 Hz  
1500W  
(9815)  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114981500

9818  
9818S

125x20,1x5,8 cm  
6,4 Kg  
220-230V 50-60 Hz  
1800W - 1650W  
(9818) - (9818S)  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114981807  
8010114981814

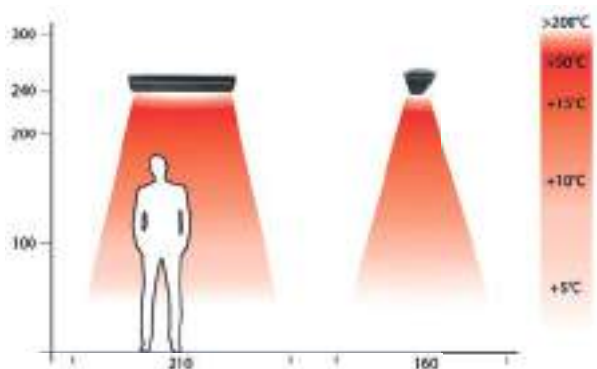
9824  
9824S

155x20,1x5,8 cm  
7,8 Kg  
220-230V 50-60 Hz  
2400W - 2200W  
(9824) - (9824S)  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114982408  
8010114982415

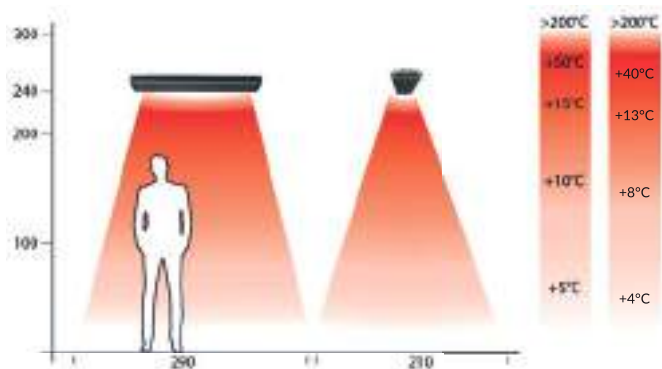
9832  
9832S

195x20,1x5,8 cm  
9,8 Kg  
220-230V 50-60 Hz  
3200W - 2950W  
(9832) - (9832S)  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114983207  
8010114983214

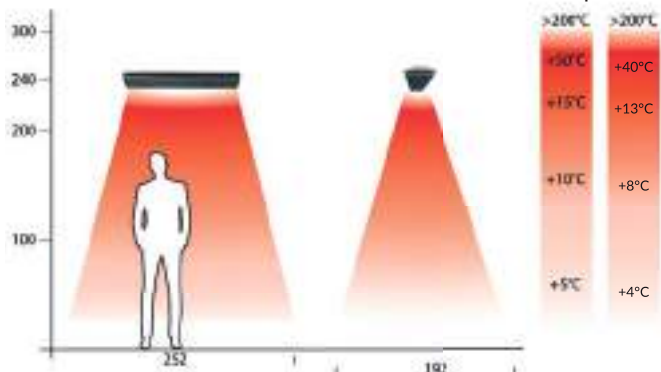
9815



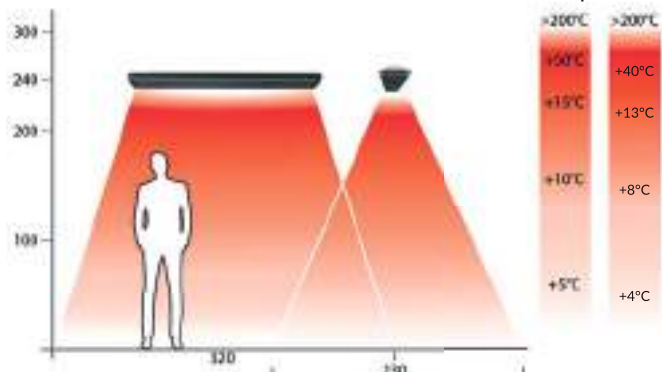
9824 | 9824S



9818 | 9818S



9832 | 9832S



SUPPLIED WITH WALL BRACKET

IP55





Black 9815D - 9818D - 9824D - 9832D

Silver 9815SD - 9818SD - 9824SD - 9832SD

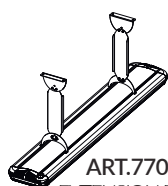
# HOT-TOP

## DIMMER

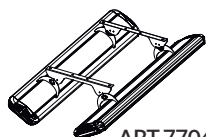
MADE IN ITALY



Available in Black and Silver colourways



ART.7706  
EXTENSION POLE  
MOE7706



ART.7704  
TWIN  
MOE7704



ART.868P  
POLE SUPPORT  
MOE868P

**HOT-TOP DIMMER** is available in black and silver. It comes with **remote control** and can be operated at 1/3, 2/3 or full power. For example, item 9824D can be set to 600W, 1800W or 2400W maximum power. A single remoter can control multiple heaters. A luminous indicator displays the selected power or stand by functioning.



Dimmer versions can be controlled by remote control at 1/3, 2/3 or full power. A luminous indicator displays the selected power or stand by functioning.

### SPECIAL FEATURES

Coming with adjustable wall bracket.

**From 1350 W up to 3200 W** of power.

With black heat resistant paint coating.

Technology inspired by the radiator installed on racing cars.

Warm with enveloping tone.

Coming with 2 sheathed heating elements.

## TECHNICAL FEATURES

Dimensions in cm  
Weight  
Power Supply  
Power  
Items  
Power dimmer  
Cable  
IP Rate  
Insulating Class  
Radiating Element  
Bodywork  
EAN Code

### 9815D 9815SD

126x20,1x5,8 cm  
5,70 Kg  
220-230V 50-60 HZ  
1500W  
(9815D) - (9815SD)  
1/3 - 2/3 - Full power  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114981500  
8010114981517

### 9818D 9818SD

141x20,1x5,8 cm  
6,4 Kg  
220-230V 50-60 HZ  
1800W - 1650W  
(9818D) - (9818SD)  
1/3 - 2/3 - Full power  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114981807  
8010114981814

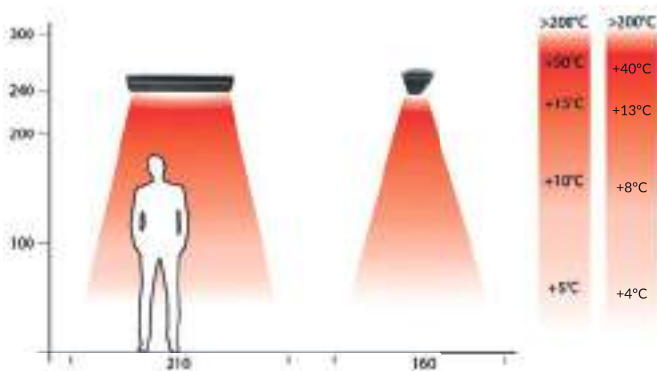
### 9824D 9824SD

171x20,1x5,8 cm  
7,8 Kg  
220-230V 50-60 HZ  
2400W - 2200W  
(9824D) - (9824SD)  
1/3 - 2/3 - Full power  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114982408  
8010114982415

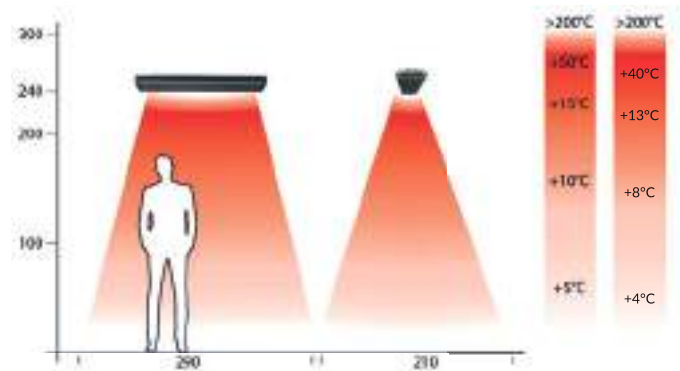
### 9832D 9832SD

211x20,1x5,8 cm  
9,8 Kg  
220-230V 50-60 HZ  
3200W - 2950W  
(9832D) - (9832SD)  
1/3 - 2/3 - Full power  
Silicone H05SS-F 3m  
IP55  
I  
Anodized Aluminium 6060  
Anodized Aluminium 6060  
8010114983207  
8010114983214

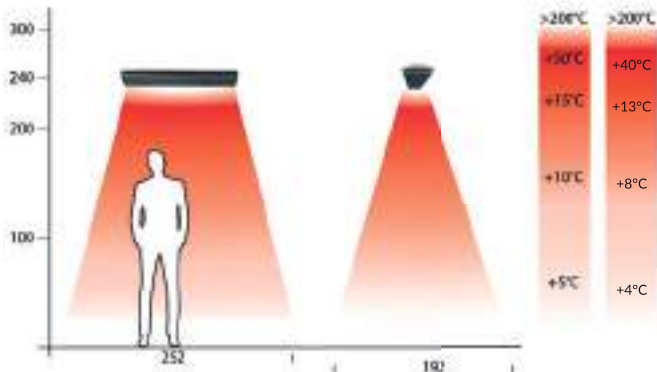
9815D | 9815SD



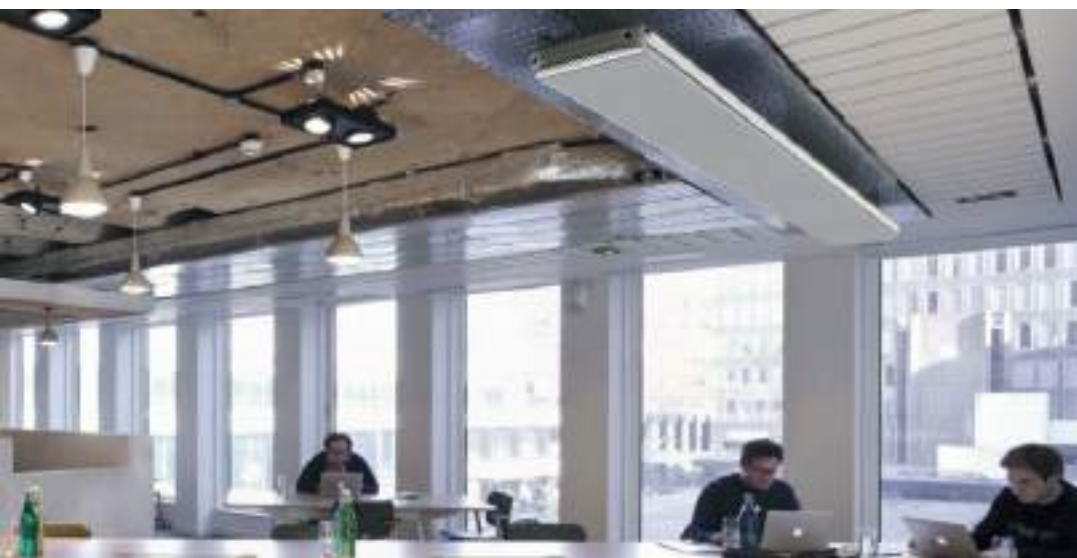
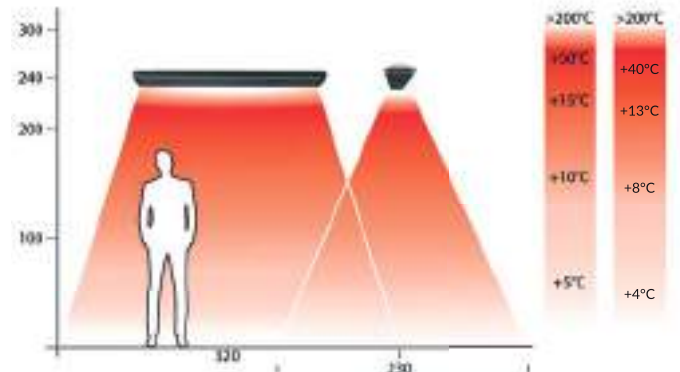
9824D | 9824SD



9818D | 9818SD



9832D | 9832SD



SUPPLIED WITH WALL BRACKET

IP55



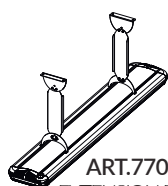
# HOT-TOP

## THREEFASE

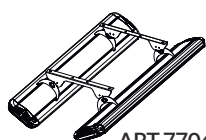
MADE IN ITALY



Available in Black colourway



ART.7706  
EXTENSION POLE  
MOE7706



ART.7704  
TWIN  
MOE7704



ART.868P  
POLE SUPPORT  
MOE868P

The black surface of the reflecting body and thickness of the anodization are calculated **to increase the emissivity**. The cross section with decreasing thicknesses draws heat from the heating elements and spread it evenly up to the sides. Longitudinal ribs are structured to increase the radiating surface and to diffuse the most distant heating.

Optimization of the insulation between the radiant and the upper body for a greater heat transfer in the direction of the persons to be heated.

Operating temperature of 340 °c to maximize the emission of infrared rays remaining under the decay limits of the anodization.

Insulation system implemented to reduce possible effects of thermal bridges.

Sealed armored heating elements (**IP67**) for a longer service life and to avoid short circuits.

### SPECIAL FEATURES

Coming with adjustable wall bracket.

**From 1350 W up to 3200 W** of power.

With black heat resistant paint coating.

Technology inspired by the radiator installed on racing cars.

Warm with enveloping tone.

Coming with 2 sheathed heating elements.

**Extra power.**

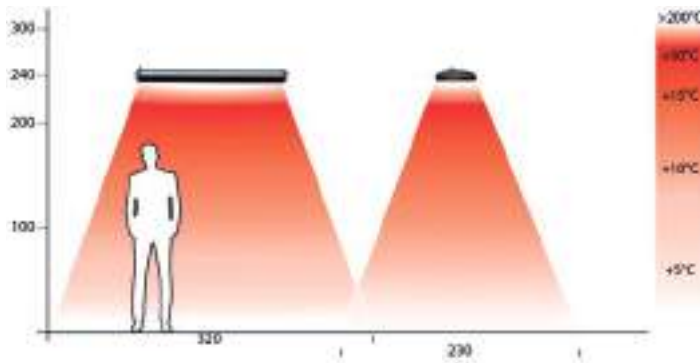
Maximum efficiency of heat diffusion along the radiant emitter.

Coming with 1 additional sheathed heating element to improve power distribution.

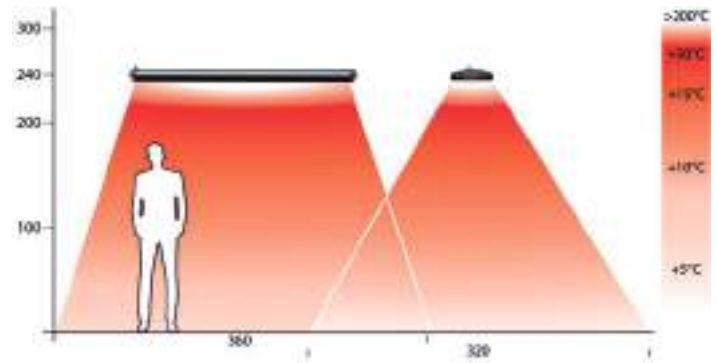
# TECHNICAL FEATURES

	9830	9845
Dimensions in cm	156x25x7,5	215x25x7,5
Weight	12,4 Kg	16,4 Kg
Power Supply	380-415V 50-60 HZ	380-415V 50-60 HZ
Power	3000 W	4500 W
Cable	Silicone H05SSF 3 m	Silicone H05SSF 3 m
IP Rate	IP55	IP55
Insulating Class	I	I
Radiating Element	Anodized Aluminium 6060	Anodized Aluminium 6060
Bodywork	Anodized Aluminium 6060	Anodized Aluminium 6060
EAN Code	8010114983009	8010114984501

9830



9845



SUPPLIED WITH WALL BRACKET







# IR-B HEATERS



Black 966V - 967V  
White 966W - 967W

# AAREN

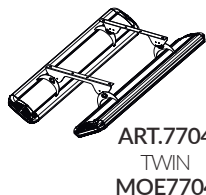
MADE IN ITALY



 Available in Black and White colourways



ART.7706  
EXTENSION POLE  
MOE7706



ART.7704  
TWIN  
MOE7704



ART.868P  
POLE SUPPORT  
MOE868P



ART.868P  
SUN UMBRELLA  
BRACKET  
MOE868P

**AAREN** is the newest medium wavelength IR-B infrared heater developed by MO-EL. It combines the elegance of the HOT-TOP line with the ready-to-use effectiveness of infrared lamps. It generates a **cozy heating range pleasant indoor and outdoor** as well.

AAREN is combined with the 4 mm thick Schott Nextrema® glass. This **glass-ceramic, resistant to thermal shocks**, has an IR-B medium-wave infrared transparency of almost 90%, while on the contrary it is opaque to the rays of the spectrum visible to the human eye.

This exclusive configuration sets up pleasant and immediate warmth with minimal visual impact. Each heater is equipped with 2 infrared lamps, whose visual impression is isolated by the Schott Nextrema glass, the result is an effective IR-B heating purified from the characteristic reddish light. Both lamps can be connected independently, thus offering the possibility of half-power use at times if required.

Its **fashionable design and top-quality features** make AAREN the most sought-after heater for indoor and outdoor. Aaren releases immediate and settable warmth.

## SPECIAL FEATURES

Directional wall bracket included.

Settable Power: **from 900 W up to 2400 W.**

Instantaneous **Cozy warmth.**

Schott Nextrema® glass.

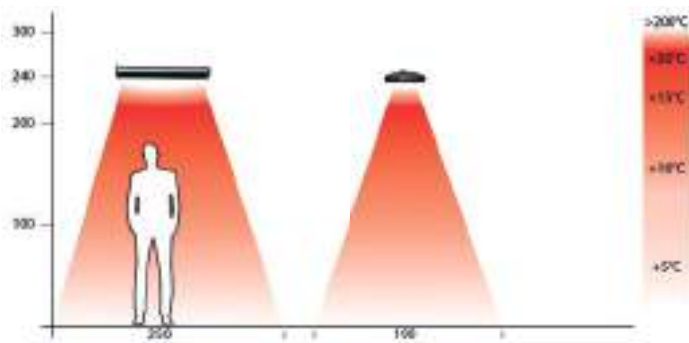
White version: coming with translucent white glass on demand: opal white glass.

# TECHNICAL FEATURES

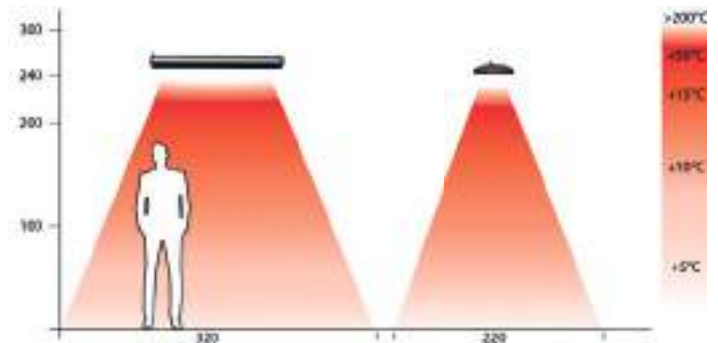
	966V	966W	967V	967W
Dimensions in cm	80x25x7,5	80x25x7,5	93x25x7,5	93x25x7,5
Weight Kg	5,3 Kg	5,3 Kg	6,2 Kg	6,2 Kg
Power Supply	220-230V 50-60 HZ	220-230V 50-60 HZ	220-230V 50-60 HZ	220-230V 50-60 HZ
Infrared Lamp	Carbon Fibre IR-B	Carbon Fibre IR-B	Carbon Fibre IR-B	Carbon Fibre IR-B
Power	1800W	1800W	2400W	2400W
Cable	H05SS-F 4x1,5mm2 3m	H05SS-F 4x1,5mm2 3m	H05SS-F 4x1,5mm2 3m	H05SS-F 4x1,5mm2 3m
IP Rate	IP55	IP55	IP55	IP55
Insulating Class	I	I	I	I
Bodywork	Painted Aluminium 6060	Painted Aluminium 6060	Painted Aluminium 6060	Painted Aluminium 6060
Color	Black	White	Black	White
EAN Code	8010114966002	8010114966026	8010114967009	8010114967023
SPARE LAMPS	005528	005528	006077	006077



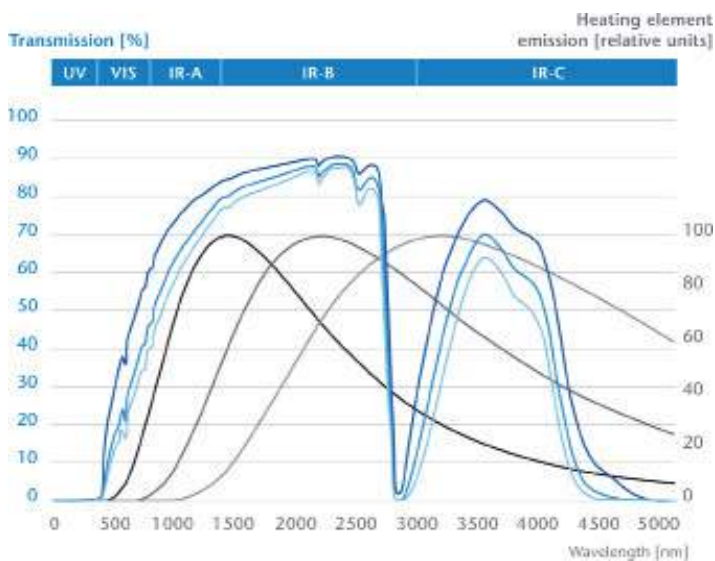
966V | 966W



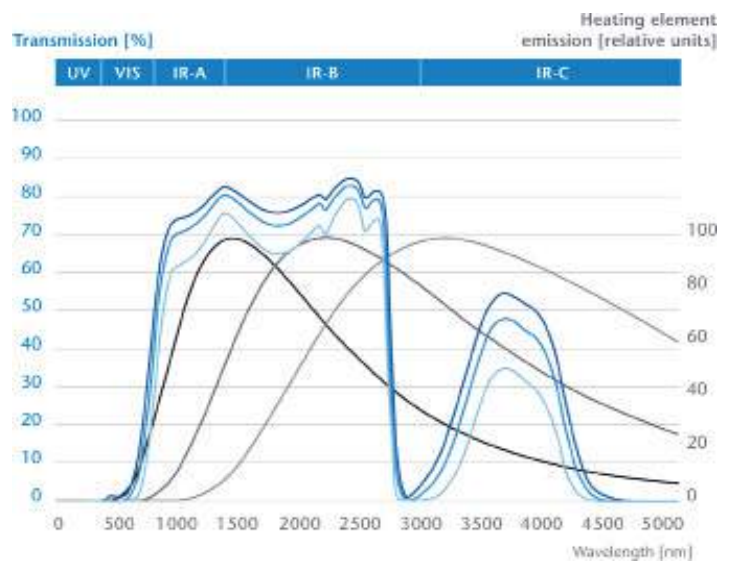
967V | 967W



Heat transmission curves White glass



Heat transmission curves Black glass



SUPPLIED WITH WALL BRACKET

IP55 CE

Black 966VD - 967VD

White 966WD - 966WD

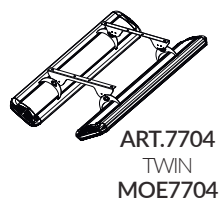
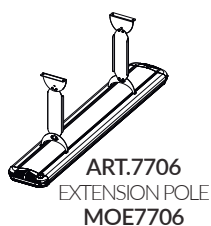
# AAREN

## DIMMER

MADE IN ITALY



Available in Black and White colourways



The dimmable version of AAREN is equipped with **remote control**, in order to simplify power control, in fact its integrated dimmer can set the unit at 1/3, 2/3 or full power. These features make AAREN perfect for leisure venues, wherever **silence and soft warming** are appreciated. The weather rated chassis is made of 6060 anodized aluminum and it ensures a safe outdoor installation.

**AAREN DIMMER** confirms AAREN design and technical features, jointly with the comfort of remote controlling. It is possible to adjust the softness of the heating performance selecting **operation at 1/3, 2/3 or complete power**. A luminous indicator displays the selected power or stand by functioning. One sole remote control can control multiple heaters.



Dimmer versions can be controlled by remote control at 1/3, 2/3 or full power. A luminous indicator displays the selected power or stand by functioning.

### SPECIAL FEATURES

Directional wall bracket included.

Settable Power: **from 900 W up to 2400 W**.

Instantaneous **cozy warmth**.

Schott Nextrema® glass.

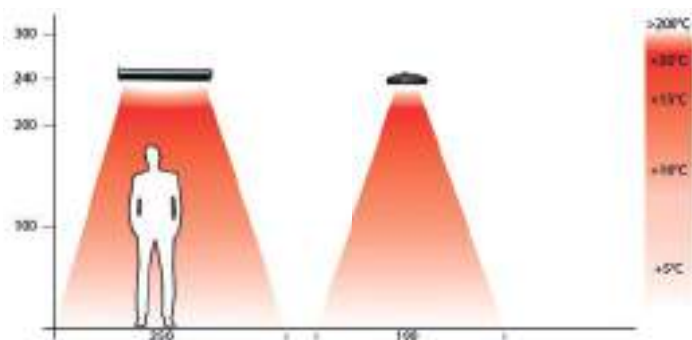
White version: coming with translucent white glass on demand: opal white glass.



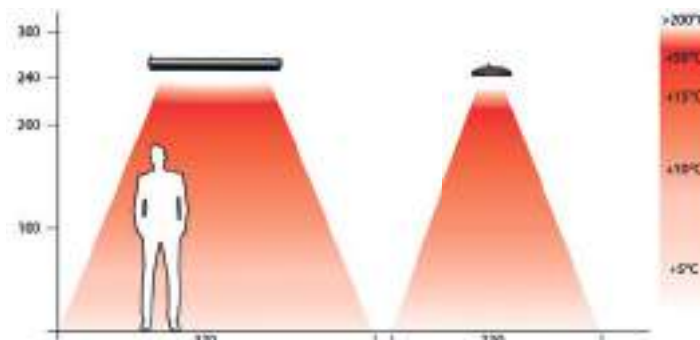
## TECHNICAL FEATURES

	966VD	966WD	967VD	967WD
Dimensions in cm	105x25x7,5	105x25x7,5	118x25x7,5	118x25x7,5
Weight Kg	5,3 Kg	5,3 Kg	6,2 Kg	6,2 Kg
Power Supply	220-230V 50-60 HZ	220-230V 50-60 HZ	220-230V 50-60 HZ	220-230V 50-60 HZ
Infrared Lamp	Carbon Fibre IR-B	Carbon Fibre IR-B	Carbon Fibre IR-B	Carbon Fibre IR-B
Power	1800W	1800W	2400W	2400W
Cable	H05SS-F 4x1,5mm <sup>2</sup> 3m	H05SS-F 4x1,5mm <sup>2</sup> 3m	H05SS-F 4x1,5mm <sup>2</sup> 3m	H05SS-F 4x1,5mm <sup>2</sup> 3m
IP Rate	IP55	IP55	IP55	IP55
Insulating Class	I	I	I	I
Bodywork	Painted Aluminium 6060	Painted Aluminium 6060	Painted Aluminium 6060	Painted Aluminium 6060
Color	Black	White	Black	White
EAN Code	8010114966002	8010114966026	8010114967009	8010114967023
 SPARE LAMPS	005528	005528	006077	006077

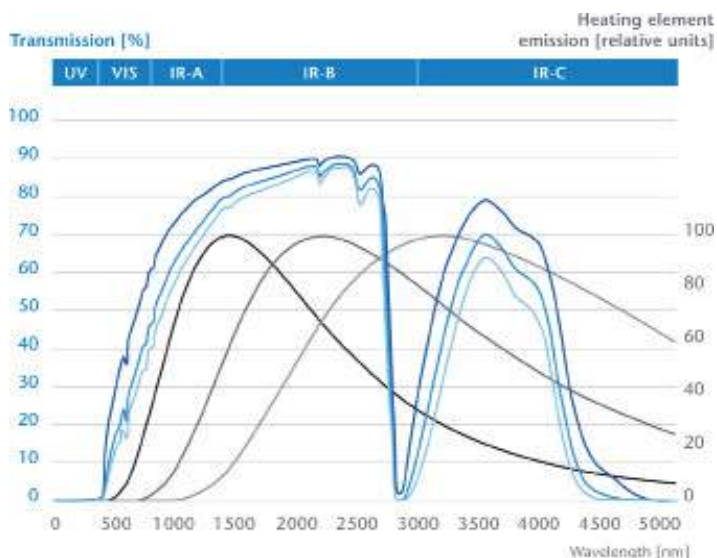
966VD | 966WD



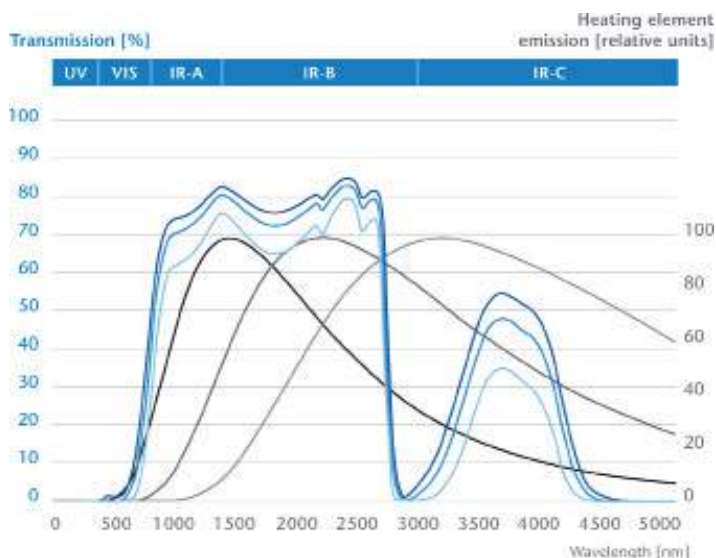
967VD | 967WD



Heat transmission curves White glass



Heat transmission curves Black glass



SUPPLIED WITH WALL BRACKET

IP55 

9011

# AAREN

## RECESSED

### TECHINICAL FEATURES

Structure	ABS and PC
Dimensions in cm	32x35x62 cm (H)
Weight	2,4 Kg
Power Supply	230V 50HZ
Total Consumption	1200
Lamp	IR-B
Lamp Life	5000 h
IP Rate	IP55
Insulating Class	I
Spectrum of Light	IR-B
Safety Switch	Yes
Rotation / Inclination	Yes/Yes
Remote Control	Yes
EAN Code	8010114784026
SPARE LAMPS	007922



HEAT SAVING FAN



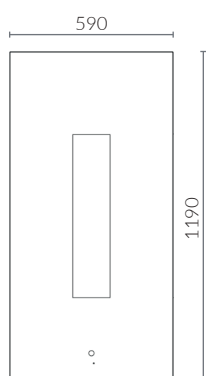
TRANSLUCENT WHITE GLASS

This version of AAREN has been specifically designed for installation in **false ceiling**. The heater is located inside a white painted metal structure, designed to seize exactly 2 standard 60x60 cm panels. Item 9011 disappears inside the false ceiling. **Perfect for offices, stores and workplaces, it is easy to install and it guarantees a pleasant and immediate heat.**

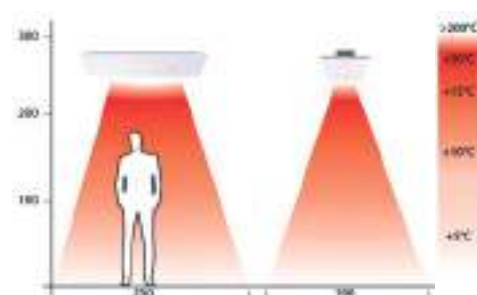
The use of infrared lamps allows a targeted and localized heating on the zones of interest, with valuable energy saving.

**AAREN RECESSED** is supplied with **dimmer and remote control**, allowing to choose between 1/3, 2/3 or full power use.

AAREN incorporates a warmth saver fan, this hidden device collects the warmth spread on the rear side of the units towards the living ambience.



9011



Equipped with dimmerable remote control with 3 power levels.  
Indicator lamp indicating the selected power.

### SPECIAL FEATURES

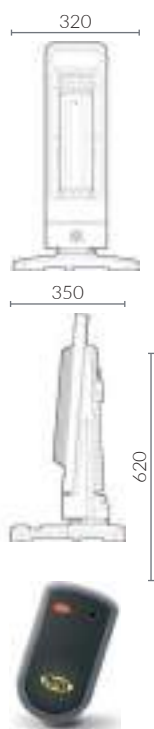
Modular installation for false ceiling.

784G

# GUADALUPA

## TECHINICAL FEATURES

Structure	784G
Dimensions in cm	ABS and PC
Weight	32x35x62 cm (H)
Power Supply	2,4 Kg
Total Consumption	230V 50HZ
Lamp	1200W
Lamp Life	IR-B
IP Rate	5000 h
Insulating Class	IP55
Spectrum of Light	I
Safety Switch	IR-B
Rotation / Inclination	Yes
Remote Control	Yes/Yes
EAN Code	Yes
SPARE LAMPS	8010114784026
	007922



### IR-B HEATER (MEDIUM WAVE INFRARED)

Adjustable, tilting, tiltable in **3 positions**, remotely operated thanks to **remote control**.

**IP55 protection.** ABS and PC materials.

It turns off automatically in the event of a fall.

It does not produce any noise or odor.



COMING WITH  
REMOTE CONTROL  
FOR INDOOR AND  
OUTDOOR USE

IP55



# ACCESSORIES

ITEM	POLE	TRIPODE	ELEGANCE	XL
FIORE	YES*	YES**	YES**	YES*
PETALO	YES*	YES <sup>◊</sup>	YES <sup>◊</sup>	YES <sup>◊◊</sup>
SHARKLITE	YES*	YES***	YES***	YES*
HATHOR	YES*	YES***	YES***	YES*
IRIS	-	YES***	YES***	YES*
LUCCIOLA	-	YES <sup>◊◊◊</sup>	YES <sup>◊◊◊</sup>	YES*
AAREN	-	YES***	YES***	-
HOT-TOP	-	YES***	YES***	-



ART.4467  
HINGED ARM 1m  
FOR IRIS and HATHOR (2 pivot points)  
MOE4467

HIGH  
2100  
mm



ART.4469  
EXTENSION lateral pivot points  
ART.4467 50cm  
MOE4469

Ø35  
HIGH  
2100  
mm



ART.4472  
EXTENSIBLE WALL BRACKET  
50 cm (2 pivot points)  
FOR AAREN and HOT-TOP  
MOE4472

Ø50  
HIGH  
2140  
mm

Ø35  
HIGH  
3000  
mm



ART.4463B  
WHITE STELO  
MOE4463B



ART.2473  
POLE TRIPODE  
MOE2473



ART.4464  
ELEGANCE  
MOE4464



ART.4468  
XL  
MOE4468

- \* no extra joints required
- \*\* to be combined with ref. 768PN (not included)
- \*\*\* to be combined with ref. 868P
- ◊ to be combined with ref. 4466 + 868P (not included)
- ◊◊ to be combined with ref. 4466 (not included)
- ◊◊◊ to be combined with ref. 789 (not included)



# POWER CONTROL

Optimize consumption and increase customer comfort combining presence detector, remote control or dimmer.

TECHNICAL FEATURES	9001	9002	9003	9004
Description	Kit dimmer +Remote Control	Remote Control	Kit presence detector ON/OFF Receiver 2 channels 2x2000W	Kit ON/OFF receiver + Remote Control 2 channels 2x2000W
Power	1x2000W	-	2x2000W	2x2000W
Master Box	1Pc	-	1Pc	1Pc
Made in	ITALY	ITALY	ITALY	ITALY
Application	all items	all items	all items	all items
IP Rate	IP54	-	IP54	IP54
EAN Code	8010114900105	8010114900204	8010114900303	8010114900402



MOE9001



MOE9002



MOE9003



MOE9004

# CHRONOTHERMOSTATS

In the case of installation of our infrared heaters in order to heat an indoor environment, the heater can be installed together with the electronic room temperature control device and weekly timer (code 9005ED or 9006ED).

**9005ED and 9006ED are digital display thermostats** with the possibility of daily and weekly programming.

They are equipped with open window detection function, which allows to detect the sudden lowering of the internal temperature and automatically switch off the heating in order **to avoid unnecessary energy waste**.

The **9005ED** model is a plug-in mono block thermostat, which is used for appliances with cable and plug.

Model **9006ED** is a thermostat with a separate sensor, which is used for permanent installation devices.

TECHNICAL FEATURES	9005ED	9006ED
Dimensions of thermostat (mm.)	70x41,5x140	135x88x22
Dimensions of detector (mm.)		114x86x30
Detector	Built in	External
Range of temperature	5 °C - 35 °C	5 °C - 35 °C
Increment of temperature	0,5 °C	0,5 °C
Precision		+/- 0,5 °C
Color	white	white
IP rate	IP20	IP20
Application	Items with plug	Items without plug
EAN Code	8010114900501	8010114900500

9005ED



9006ED



IP55 CE



# INSECT CONTROL DEVICES

**MO-EL insect control products are the result of 40 years of experience.**

The capture system has been studied in relation to the behavioral habits of mosquitoes, flies and other flying insects.

**Harmless to people**, it is irresistible for flies and mosquitoes, which once attracted remain trapped.

Product safety is based on CE and guaranteed by independent laboratories such as IMQ and UL. The effectiveness is proven by tests conducted on the field by researchers at the University of Bologna.

MO-EL products **do not emit toxic substances and do not use chemical additives**. They capture flying insects respecting environments and their natural antagonists such as spiders, toads, geckos and other small animals. **Effective against Diptera**, such as aedes, **anopheles and other mosquitoes (Culicidae)**, flies, horse fly and sandfly.

The operating mechanism of electric insect killers and mosquito traps mimics exactly what happens in nature.

The mosquito deposits its eggs in a dark and humid place, where they can mature away from the danger of dehydration.

When the baby insect is born, it can only leave this environment in the absence of solar rays, since these would dehydrate and kill it.

Nature has therefore programmed it to go out only at night, when ultraviolet rays are its only guide.

Experiments have shown that during the first hour of their life, a very high percentage of newborn mosquitoes fall into mosquito traps (insect zappers) due to the attraction of ultraviolet rays, and after the first two hours almost all the insects run out to be caught.

This attraction reduces as the insect matures, until it reaches its minimum yield when the female needs to lay her eggs: during this period, she is mainly attracted by the smell and heat of human and animal body.

When the female is finally ready to lay her eggs, instinct again drives her to look for dark, humid and cool places, where the eggs are protected from predators and sunlight, and can be kept in the best conditions for hatching.

Thus, it is evident that an effective campaign of pest control shall be started in early spring, to get rid of the insects as soon as they come to life.

UV-A traps should be activated every night around insect breeding grounds to control the population of young mosquitoes as soon as the eggs hatch.

**Outdoor**, in farms and in typical agriculture applications as well, the result of an effective noxious insect extermination is that in the height of summer, the population of adult insects, such as the females of Nematocera, will be eradicated or at least limited to ones coming from far away which have not been disinfested.

**Indoor use:** the UV-A traps will catch insects as soon as they enter the ambience.

## UV-A lamps

Low pressure mercury vapor tubes. These UV-A lamps are made of a **fluorescent plated glass tube containing two electrodes**. Luminous emissions of UV-A lamps are comprehended between 300 and 400 nm, with peak at 365 nm. For UV-A lamp is meant a light source that issues electromagnetic radiation mainly in the range of ultraviolet rays and, to a negligible extent, in the field of visible light.







### LED light

The superior LED lights developed by MO-EL reach a peak of 365 nm. Different variety of insects may be attracted by different frequencies. In order to be effective on a larger quantity of insect specimen, MO-EL engineers have patented a spectrum deviation system, allowing to vary the invisible and visible spectrum of the luring rays.

Based on the brilliant theory of this MO-EL patent, a specific powder factor is blended into a molded resinous support. By means of this exclusive technology, the essential spectrum is partially converted into other selected frequencies.

### Placing mosquito traps

For an optimal placement of the traps, it is suggested to place the devices on the outer perimeter of the area, it is in this way, that insects are led to the traps rather than towards people.

In order to achieve maximum efficiency on diurnal insects, the bug zappers should be placed in half shade rather than bright light.

This positioning of the insect control devices limits the competition between the luring light and solar rays, whose power would reduce the efficacy of the appliance.

Tests confirm that a **UV-A source placed in a low-light environment is successful in attracting insects.** The moonlight or the artificial light may slightly interfere with the anti-insect UV-A. It is for this reason that it is preferable to place the traps far from such lights.

In case more appliances are placed in the same area, it is suggested to respect the operating range of any single device. The range of action is indicated in the user manual. For example, in case two devices have a linear operating range of 10 meters each, they shall be placed at a distance of 20 meters (10m range of action of item #1 + 10m the range of action of item #2). This expedient allows to avoid overlapping of the ranges of action, reducing energy consumption.

**It is preferable to do not place the appliances near to light-coloured walls,** as the light reflected by these surfaces may slightly interfere with UV-A. It is as well suggested to place the traps far from streams of air, since drafts could interfere with the flight of insects and act like an invisible obstacle between insect and trap.

Place the appliances for pest control at a suitable height. Best results are generally obtained at **two or three meters from floor level.** In case of mosquitoes aedes it is suggested to place traps at a lower level, since their flight habits rarely goes higher than 1.5 meters.





# INSECT CONTROL WITH ELECTRIC DISCHARGE



**CRI-CRI is the most famous insect zapper in the world, the most sold and the most imitated.**

40 years of undisputed leadership on the international market are the fruit of a far-sighted intuition.

Since the first production batch, MO-EL has chased highest quality through strictest testing.

Through a rigorous selection of raw materials and tool investments, MO-EL set up a production organization capable of granting flexibility and quality. The result is a various range of models, intended for **professional, agricultural, hygiene and domestic application**.

The operating principle is very simple: **CRI-CRI attracts insects through specific ultraviolet rays that are irresistible for flying insects.** Once attracted, it zaps them with an electric discharge.

## COMPONENTS

Designed for professional environments, this line combines **maximum effectiveness and functionality** with absolute **safety**. All the machines in this series are equipped with a practical slide-out drawer, ensuring a comfortable and deep cleaning. Due to its intensive catching performance, in case of heavy insect infestation the drawer may quickly get full. It is for this reason that CRI-CRI can work safely even without its drawer.

## THE BODY

The bodywork is made of high-quality plastic techno-polymer, the particular structure protects the electrical parts from dirt and humidity to the maximum, guaranteeing the best cooling. The thickness of the structure and the injected quantity of material makes the **structure firm and resistant**.

## THE MATERIALS

The high self-extinguishing grade of its materials prevents risk of fire.

Bodywork is tested to last both in conditions of extreme heat, dryness and to withstand the cold.

Heat-resistance and injected rubber confer elasticity to its parts, which do not twist neither in case of extreme thermal excursion.

Anti-UV dust blending and glass fiber addition maintain color and quality unchanged over time.

In order to firmly prevent oxidation, metal parts are tested under salty steam test.



# CRI CRI®





### THE GRIDS

**Grilles do not rust.** The inner grids are made of galvanized steel. **Salty steam tested** metal parts. The inner grilles can be defined as **self-cleaning**, since the zapping power is rated to zap insects before they can get stuck on the metal rods. The external protection grilles are painted or made of galvanized steel, to resist both UV rays and weather conditions.

### THE SECURITY

Depending on the appointed applications the CRI-CRI line offers different features combined to different devices, such as water protection, extra Safety switch for fast maintenance, grids typology, dimension, power of attraction, zapping power, and hanging hooks.

The professional CRI-CRI line is IPX4 water protected and is suitable for indoor and outdoor applications. Safety has been tested by UL and IMQ. The outer grids are tested to prevent contact with inner electrified grilles.

Power cable is made of rubber to grant safety and long lasting indoor and outdoor. Rubber prevents cable scratching, protecting users from electrical hazardous.

### WARRANTY

CRI-CRI items are covered by a full MO-EL guarantee, except for the lamps that must be annually replaced. In fact, lamps partially lose their efficiency after 2000 or 4000 working hours depending on the model. After this time, they may lose some further power of attraction and tend to establish their luring effect around 50% after other extra 2000 hours of functioning.

Created to guarantee **hygiene and safety**, the various models of this line are approved by IMQ or UL and meet the strictest requirements and EC regulations.



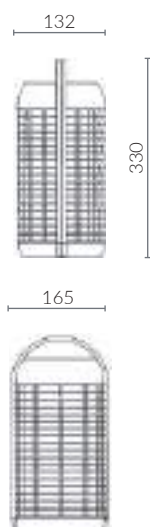
300N - 300FR

# CRI-CRI



## TECHNICAL FEATURES

Dimensions in mm.	132x165x330
Weight	1,1 Kg
Power Supply	230V 50 HZ
Power	11 W
Linear (meters) Range of Action	3 -5 m
Zapping Power	1500V
Insulating Class	II
Lamps	1X6W UV-A Actinic
Lamp Life	2000h
Bodywork	ABS
EAN Code	8010114300028
SPARE LAMPS	0421



## PATENT CLEANING SYSTEM



**Light and compact**, the model 300N is the smallest size of the complete CRI-CRI line.

In fact, a tinier grid or lower neon power would not be useful.

It is **easy and quick to clean**, thanks to the special completely removable drawer.

Lamp and electrified grilles are equipped with the exclusive MO-EL patent cleaning system (which allows to clean it without disassembly or brushing it). Even if its grilles are not so powerful to maintain a certain surface cleanliness automatically, they can be cleaned pulling the built-in brush for a fast lamp and grille cleaning.

Despite its small dimensions, 300N confirms same plastic ABS, **quality and safety standards** of the CRI-CRI line.

LAMP: The **high quality UV-A lamp** has a power of 6 W and a range of action of about 3-5 linear meters.

SAFETY: Approved by IMQ, the model complies with **CE regulations**.

## SPECIAL FEATURES

### Compact.

Built-in hanging hook.

Built-in cleaning system.

Washable and removable collecting drawer.

4000 h lamp life.

### Low consumption.

Available in coral fluo color (300FR).

3-5 m



304 - 309 - 309FR

# CRI-CRI



## TECHNICAL FEATURES

	304	309
Dimensions in mm.	355x155x315	355X155X315
Weight	4,1 Kg	4,2 Kg
Power Supply	230V 50 HZ	230V 50 HZ
Zapping Power	5000 V	5000V
Total Consumption	35W	45W
Lamps UV-A	1x15 W	2X15W
Lamp Life	2000 h	2000 h
Standard equipment	Metal Chains	metal chains
IP Rate	IPX3	IPX3
Insulating Class	II	II
EAN Code	8010114304002	8010114309038
SPARE LAMPS	0415	0415



COMING WITH  
HANGING CHAIN

SALTY STEAM  
TESTED METAL  
PARTS

Recommended for **medium-size areas**, this model combines **compact size and strength**.

Item 309 is equipped with 2 UV-A actinic lamp of 15 W each and it is effective in a range of about 10-12 linear meters.

This item is available also at 15 W (1 lamp instead of 2) with a range of action of 8-10 linear meters.

Both item **309** and **304** emit a 5000 Volt discharge.

The grids maintain their efficiency over time because the high voltage discharge zap insects quickly, what is more the electrified slats are designed to prevent insects from sticking.

**IPX3** water protection makes it suitable for protected outdoor area as well.

## SPECIAL FEATURES

### Compact

5000 V discharge. **High efficiency grilles.**

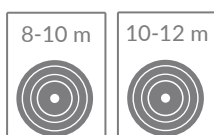
Washable and removable collecting drawer.

1500h lamp at 100% efficiency.

### Low consumption.

Available at 15 W or 30 W of power.

Fire retardant and UV-A resistant techno-polymer.

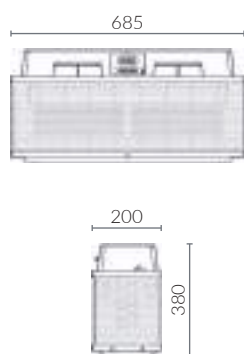


IPX3



305E - 307E - 308E

# CRI-CRI



**307** and **308** are the models taking CRI-CRI on the pedestal of the most famous zapper in the world. The reasons are simple: **efficiency, robustness and usability.**

**This model represents the best choice for disinfestation in critical areas.**

Differently from pesticides it is **not toxic** and can be safely used even in presence of living being.


Items **305**, **307** and **308** are **rated IPX4** and are suitable for outdoor use as well. Extreme weather conditions, sun, rain or thermic excursion do not affect them.

## LAMPS

The model is equipped with 1 UV-A lamp that generates a 20 W light emission with a range of about 10-12 meters. The lamp holders are watertight to prevent access to water or dust.

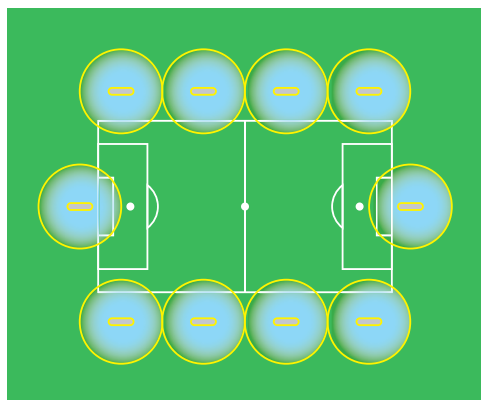




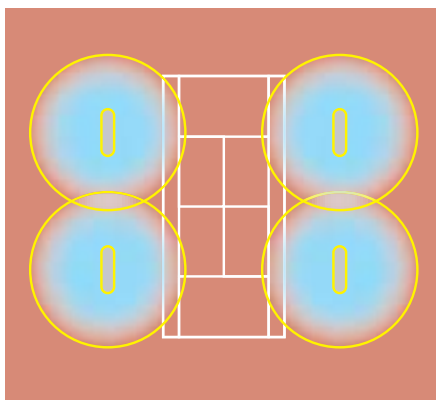
TECHNICAL FEATURES	305E	308E	307E
Dimensions mm	685x200x380	685x200x380	685x200x380
Weight	8 Kg	8,6 Kg	8 Kg
Power Supply	230V 50 HZ	230V 50 HZ	230V 50 HZ
Zapping Power	5000V	5000V	5000V
Total Consumption	45W	95W	65W
Lamps UV-A	1X20W	2X40W	2X20W
Lamp Life	3000 h	2000 h	2000 h
Standard equipment	metal chains	metal chains	metal chains
IP Rate	IPX4	IPX4	IPX4
Insulating Class	II	II	II
EAN Code	8010114305023	8010114308024	8010114307027
 SPARE LAMPS	0512	0802	0512



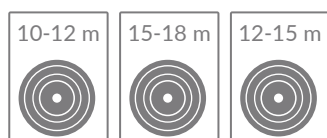
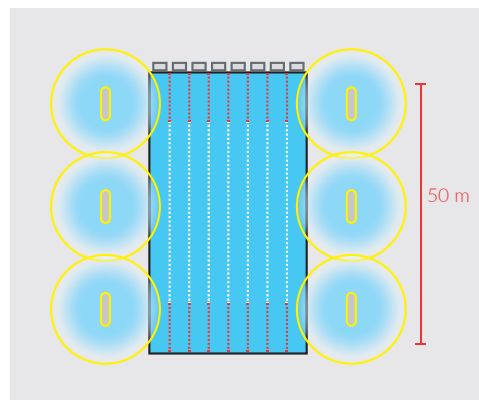
EXAMPLE OF POSITIONING ON  
FOOTBALL FIELD



EXAMPLE OF POSITIONING ON  
TENNIS FIELD



EXAMPLE OF POSITIONING ON  
OLIMPIONIC SWIMMING POOL



IPX4



308A - 307A - 308S

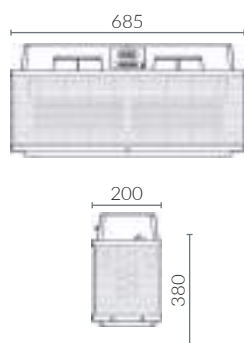
# CRI-CRI



## TECHNICAL FEATURES



	308A	307A	308S
Dimensions in mm.	685x200x380	685x200x380	685x200x380
Weight	8,6 Kg	8 Kg	11 Kg
Power Supply	230V 50 Hz	230V 50 Hz	230V 50 Hz
Zapping Power	5000V	5000V	5000V
Total Consumption	95W	65W	95W
Lamps UV-A	2X40W	2X20W	2X40W
Lamp Life	2000 h	2000 h	2000 h
Standard equipment	metal chains	metal chains	metal chains
IP Rate	IPX4	IPX4	IPX4
Insulating Class	I	I	I
EAN Code	8010114308017	8010114307010	8010114308048
SPARE LAMPS	0802	0512	0802



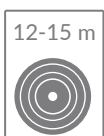
HIGH TENSION INNER GRILLE  
5000V POWER OF DISCHARGE  
1. SAFETY SWITCH  
2. GROUNDED EXTERNAL GRID

Recommended for **medium-size areas**, this model combines **compact size and strength**.

Item **309** is equipped with 2 UV-A actinic lamp of 15 W each and it is effective in a range of about 10-12 linear meters. This item is available also at 15 W (1 lamp instead of 2) with a range of action of 8-10 linear meters.

Both item **309** and **304** emit a 5000 Volt discharge. The grids maintain their efficiency over time because the high voltage discharge zap insects quickly, what is more the electrified slats are designed to prevent insects from sticking.

**IPX3** water protection makes it suitable for protected outdoor area as well.



46

IPX3







# HACCP SPECIAL UV-A INSECT CONTROL DEVICES WITH ADHESIVE PANEL



The purpose of the **HACCP system** is to identify and analyse dangers and implement scrupulous **prevention** systems. Insects coming into contact with multiple pathogens can present a risk to human health.

In the food processing area, to prevent the risk of contamination, **HACCP** (hazard analysis critical control point) systems aims **to monitor and eliminate flying insects** (for example flies and gnats, whose larvae feed on organic material).

MO-EL electric insecticides using adhesive paper are designed according to directive CE93/43-96/3-di 155/97. They are entirely produced in Italy and conform to the various professional demands in the food industry in all sectors: **warehousing, catering, kitchens, canteen and restaurants**.

The frequency of light emissions reach the ultraviolet range between 300 and 400nm with a peak of 365nm guaranteeing attraction of the principal infesting flying insects. The chequerboard adhesive panels make punctual counting and monitoring easier.

## INSECT CONTROL IN FOOD PROCESSING

To prevent contamination it is necessary to carry out a radical fight against flying insects, such as flies and gnats, whose larvae feed on decomposing organic material.

Insects come into contact with pathogens that are extremely dangerous to humans, such as: Streptococci, a cause of skin and intestinal infections, Campylobacter which causes dangerous intestinal infections, chlamydia, a parasite that lurks in the body causing serious damage. Klebsiella may causes urinary and respiratory tract infections. Equally harmful are insects such as the Tribolio del farina, Trogoderma, Tigola or bread Anodio that damage foodstuffs.

## WHAT DOES HACCP MEANS?

**HACCP (Hazard Analysis Critical Control Point)** is a systematic **preventive approach to food safety** from biological, chemical, and physical hazards in food processing that can deteriorate the finished product. HACCP requires to monitor and control the presence of flying insects as well.

**UV-A light devices** are mandatory. **MO-EL insect control devices guarantee extreme precision** in the frequency of the luminous emissions achieving the ultraviolet range between 300 and 400 nm with the peak at **365 nm**.

### EFFECTIVENESS OF UV-A DEVICES

The combination of UV-A light with a frequency of 365nm combined with grid-marked adhesive boards, allows a **precise and accurate** count of the captured insects, as required by the HACCP directives.



# MO-PLICK

## SHATTERPROOF & LED

MADE IN ITALY

# MO-STICK



**MO-STICK** is the professional electric insecticide specifically for **large environment** requiring **maximum hygiene**. The innovative electronic reactor limits energy absorption to 40W as there is an attracting power of 80W diffused in the atmosphere.

The product is made entirely of 304 stainless steel, usually with a thickness of one millimetre (also available in the painted steel version, ref. 397) which is welded and treated in accordance with current regulations for food processing.

To protect against jets of water and dust to IP65 grade, MO-STICK has been fitted with a cable and plug made of rubber, with a watertight grommet and lamp-holder.

Special sealing between the body and the cover gives further resistance.

MO-STICK allows easy monitoring of insects caught.

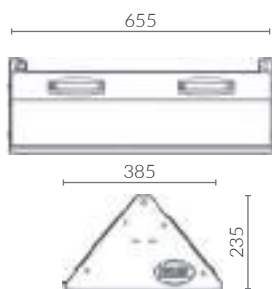
Thanks to the **IP65 protection**, MO-Stick is **entirely washable** (see user manual).

The process of cleaning and extracting the adhesive panels is very simple and does not require opening or dismantling the device. Each unit includes a starting kit of four adhesive panels.

MO-STICK can be attached to the ceiling with two chains, fixed to the wall or simply supported.

Both the UV-A lamps (2 x 40W) and the LED are anti-crush and emit between 300 and 400nm with a peak of 365nm as required by the **HACCP system**.

Now also available in an LED version with two LED bars on each side, a total of four light points for a total attracting power of 80W and energy consumption of only 12W.



Shatterproof  
antifranting lamps.  
Ceiling or wall  
mounting

Equipped with  
Cable and Plug



## TECHNICAL FEATURES

Dimensions in mm.

Weight

Power Supply

Bodywork

Lamp UV-A

Lamp life

IP Protection

Standard equipment

Range of action

EAN code

372

655x385x235

7,8 Kg

220-240V 50-60HZ

Stainless steel AISI 304

2x40 W Shatterproof

2000 h

IP65

Metal chains

3 Adhesive boards

15/18 m.

8010114372001

372L

655x385x235

5,2 Kg

220-240V 50-60HZ

Stainless steel AISI 304

16 x 1W

30000 h

IP65

Metal chains

3 Adhesive boards

15/18 m.

MOE372L

397

655x385x235

7,8 Kg

220-240V 50-60HZ

Paint coated iron

2x40 W Shatterproof

2000 h

IP65

Metal chains

3 Adhesive boards

15/18 m.

8010114397004

397L

655x385x235

5,5 Kg

220-240V 50-60HZ

Painted coated iron

16 x 1W

30000 h.

IP65

Metal chains

3 Adhesive boards

15/18 m.

MOE397L



SPARE LAMPS

000788

006120

000788

006120



REFILL PAPER

001625

001625

001625

001625



## SPECIAL FEATURES

**Easy to install.** all you need to do is insert the electric plug (Schuko).

**Energy saving.**

**Resistant** materials.

**Efficient.**

Starting Kit of four chequerboard sheets.

Resistant to humidity.

Easy to clean.



IP65



310A - 310L

# MO-PLICK

## PUNTO RISTORO

### TECHNICAL FEATURES

310A

310L

Dimensions in mm.	494x230x740	494x230x740
Weight	2 Kg	2 Kg
Power Supply	220-240V 50-60Hz	220-240V 50-60Hz
Bodywork	Aluminium	Aluminium
Lamp UV-A	2 x 20W	8 x 1W
Lamp life	5000 h.	30000 h.
Standard equipment	4 Adhesive boards	4 Adhesive boards
Range of action	10/12 m.	10/12 m.
EAN code	MOE310A	MOE310L



SPARE LAMPS

004622

006120

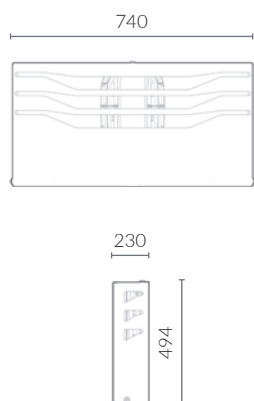


SPARE PAPER

006756

006757

MADE IN ITALY



The new **MO-PLICK PUNTO RISTORO** meets the needs of the **HACCP** staff in the field of hospitality and catering. The adhesive paper panel is partially visible to allow a rough estimate to be made of the insects caught when the product is closed. The sheet of adhesive paper can be replaced following the instructions on the side of the wall.

MO-PLICK 310A and 310L are available in aluminium, 304 stainless steel and painted steel.

There is a choice of MO-PLICK PUNTO RISTORO classic version 2x20W and the low consumption LED version. **Slim and compact**, it minimises use of wall space. Complete with switch, cable and plug, it functions either supported on a stable base or fixed to the wall.

### SPECIAL FEATURES

High **efficiency**.

**Low energy consumption.**

Coming with switch, cable and plug.

This unit comes with starting kit of 4 adhesive boards.

Designed for wall installation, it stands up on its own if combined with the arch brackets.



50

IP65



333

# MO-PLICK

## ECLIPSE

MADE IN ITALY

### TECHNICAL FEATURES

333

Dimensions in mm.	150x270x400
Weight	2,9 Kg
Power Supply	220-240V 50-60HZ
Bodywork	Stainless steel AISI 304 + Aluminium
LED UV-A	8x1W
LED life	30000 h.
Standard equipment	4 Adhesive boards
Range of action	5 m
EAN code	MOE310A



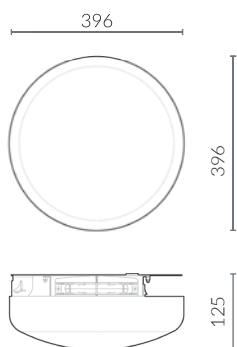
SPARE LEDS

004622



SPARE PAPER

006756



**MO-PLICK ECLIPSE** has been designed to meet the needs of restaurateurs: **to monitor and catch flying insects** in as elegant a way as possible. The round shape simplifies the design, making it **adaptable and compact**.

The sheet of adhesive paper is completely hidden and does not show the trapped insects from any angle. A cavity of only 1.5 centimetres allows the attracting light to be seen by the insects without interfering with the ambient light. The minimal structure is charmingly enhanced by anodised aluminium, usually four millimetres thick and bronze in colour.

The effect given is a sophisticated contrast between the sturdy structure with a satin finish and the brilliance of the LED light, which shines uniformly around the golden disc. The result suggests an eclipse. MO-PLICK 333 can be kept open mechanically to allow easier replacement of the adhesive sheet. Once closed, the open-close hook totally disappears.

### SPECIAL FEATURES

Internal body in 304 stainless steel.  
External body of anodised aluminium with a satin finish in bronze.

Low consumption LED attracting system.

**Elegant** design.

Supplied with cable and switch, **easy wall-mounting installation**, with the cable completely out of sight.

Easy to fix in open mode for straightforward maintenance.

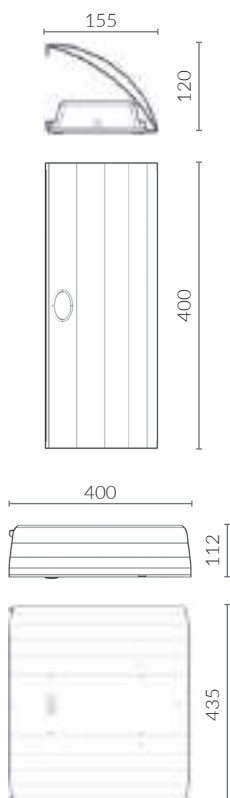


IP65



# MO-FLY MO-BUTTERFLY

MADE IN ITALY



**MO-FLY** is an insect control system which conforms to the **HACCP** directive.

In order **to preserve the safety of food** in the event of impact, the lamps are in a PMMA shell. This does not alter their attracting power.

The structure is made entirely of aluminium, which is **resistant to oxidation**. As a result, it remains **shiny and clean over time**.

MO-FLY and MO-BUTTERFLY use the same attracting system but their different structures lend themselves to different use.

**MO-FLY** (single adhesive panel) has been developed to be applied to **walls**, reducing clutter, or to be supported on a flat surface.

**MO-BUTTERFLY** (double adhesive panel) is suitable for installation on a **ceiling** or on a wall with the adhesive panel facing inwards or outwards.

## SPECIAL FEATURES

Aluminium - resistant to oxidation.

**Rapid and versatile installation** (you only have to insert the electrical plug).



Lightweight.

PMMA protected lamps.

Compact in version 701 with increased surface in version 700.





TECHNICAL FEATURES	700	701
Dimensions in mm.	112X435X400	120X155X400
Weight	2,5 Kg	2,2 Kg
Power Supply	230V 50HZ	230V 50HZ
Total Consumption	40W	40W
Lamps UV-A	2x15 W	2x15 W
Bodywork	Aluminum-PMMA	Aluminum-PMMA
Range of action	12-14 meters	12-14 meters
IP Rate	IP55	IP55
Glue Boards Dimensions	15X38 cm	15X38 cm
Standard equipment	Metal chains 4 Adhesive boards	Metal chains A4 dheseive boards
EAN Code	8010114700002	8010114701009
 SPARE LAMPS	0415	0415
 SPARE PAPER	002413	002413



IP55



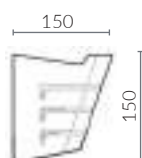
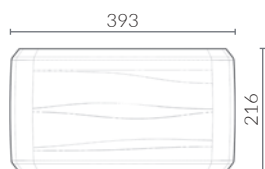
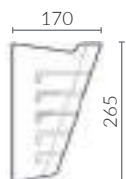
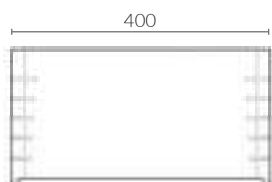
# MO-PLICK

MADE IN ITALY

398R - AISI 304



399R - PAINTABLE POLYSTYRENE



**MO-PLICK** is the insect control device designed for **wall-mounted installation**.

Available in 304, paintable, compact or decorated stainless steel, MO-PLICK has been designed for insect control in hospitality. It is **easy to install, economical and discreet**.

The front part slides easily to allow checking and replacement of the sheet of adhesive paper.

## SPECIAL FEATURES

**Economical.**

**Compact.**

**Easy maintenance.**

**Low consumption .**

**Versatile.**

## TECHNICAL FEATURES

	398R	399R	398W
Dimensions in mm.	150X270X400	112x435x400	150,150,400
Weight	2,9 Kg	1,4 Kg	3 Kg
Power Supply	220-240V 50-60HZ	220-240V 50-60HZ	220-240V 50-60HZ
Total Consumption	20W	20W	20W
Lamps UV-A	2x20 W	2x20 W	2x20 W
Bodywork	Stainless steel AISI 304	Polystyrene	Painted coated iron
Range of action	5 m	5 m	5 m
Standard equipment	4 Adhesive paper	4Adhesive boards	4 Adhesive boards
EAN Code	8010114398018	8010114399015	8010114005152



SPARE LAMPS

004622

004622

005999

SPARE PAPER

002413

005999

005999

### 398W - PAINTED STEEL



Versions 398 and 398R, in 304 stainless steel, are characterised by their **high-quality** materials and clean lines.

To meet the demands of a small space, the 398W was created. It has the same attracting and capturing system as MO-PLICK but with a more compact body in painted iron.

Finally, MO-PLICK 399R has the same **safety and illuminating body** as MO-PLICK but is lighter and more economical. It is also easy to paint at the same time as the walls.







# SUCTION DEVICES FOR INSECT CONTROL

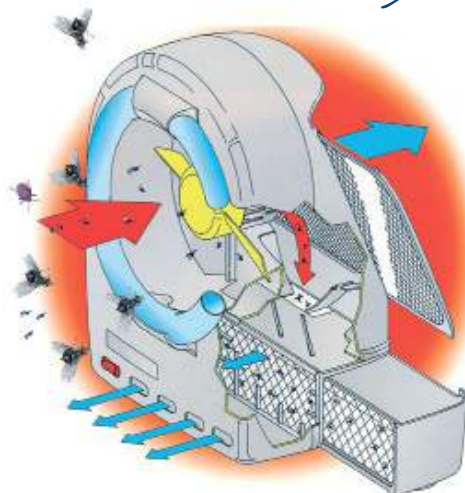
The **INSECTIVORO**, **KYOTO**, **MOON** and **TURBINE** lines are devices for **control of flying insects**, designed to guarantee **hygiene, rapid maintenance** and **efficiency**.

Launched on the market in the nineties, INSECTIVORO takes its inspiration from the behaviour of the natural enemy of flies and mosquitoes: the frog. **Easy to install**, it sucks in flying insects whenever they pass near the source of attraction. These devices benefit from the **attracting power of lamps** or LED UV-A, the frequency of which is 365 nm, as well as an efficient suction system. The fan creates a depression of air in the product mouth, which sucks in insects which pass in front of it and which are then stored in collection system.

Over the years, models designed for agriculture, HACCP and for use in the open air have been added to the MO-EL insect-suction range.

**Attractive and easy to clean**, they have conquered the market thanks to their **silence, safety** and **efficiency**.

As with all MO-EL products, this line is also **made in Italy**.





396A

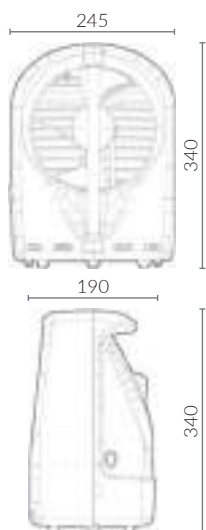
# KYOTO

MADE IN ITALY

## TECHNICAL FEATURES

396A

Structure	PP
Dimensions	245x190x340
Weight	1,9 Kg
Power Supply	230V 50HZ
Lamps UV-A	1x15 W
Lamps life	2000 h
Fan speed	1000 rpm
insulating class	II
Total Consumption	35W
EAN Code	MOE396A
SPARE LAMPS	0415



**KYOTO** is the most **compact and economical** of the Insectivoro line. Designed for **domestic use**, it is equipped with a protective mask. Kyoto uses a 15W lamp and a less powerful motor to reduce electrical energy consumption.



## SPECIAL FEATURES

**Easy to clean.**

**Compact.**

Suitable for positioning on a flat surface or a wall.

**Silent.**

**Efficient.**

Safe fan: regulation EN 60335-2-80.



# INSECTIVORO

MADE IN ITALY



363G



361B



**INSECTIVORO catches insects discreetly and hygienically.** The simple lines on this product resemble a fan or a light fitting, so that the hygiene issues associated with flying insects can be totally forgotten about.

Thanks to a patent which means that the flaps close with the air flow, INSECTIVORO **holds on to trapped insects even when it is turned off.** The collection drawer is invisible on the exterior but extremely easy to take out. To make emptying the drawer easier, a second patent means the collection container closes automatically when it is taken out, making it possible to dispose of the insects safely or keep those which are useful, such as bees.

The suction fan is **safe for both people and animals.** A light touch of the finger is enough to close it. **IMQ** confirms it conforms to Regulation EN 60335-2-80.

The fan does not crush the insects, but creates a flow of air, which moves them and catches them.

## SPECIAL FEATURES

**Easy to clean.**

**Compact.**

Suitable for positioning on a flat surface or a wall.

**Silent.**

**Efficient.**

Safe fan: regulation EN 60335-2-80.



TECHNICAL FEATURES	363G	361B	368G
Structure	PC-ABS V0	PC-ABS V0	PC-ABS V0
Dimensions	245x220x340	245x220x340	245x220x340
Weight	2,4 Kg	2,4 Kg	2,4 Kg
Power Supply	230V 50HZ	230V 50HZ	230V 50HZ
Lamps UV-A	1x32 W	1x32 W	1x32 W
Lamps life	2000 h	2000 h	2000 h
Fan speed	1000/1200 rpm	1000/1200 rpm	1000 rpm
Insulating class	II	II	II
Total Consumption	55 W	55 W	55 W
EAN Code	MOE363G	MOE361B	MOE368G
💡 SPARE LAMPS	005818	005818	005818



368G



CERTIFICATION: GERMICIDAL EFFECTIVENESS TEST OF THE DEVICE (UNIVERSITY OF PARMA)

Preserving the insects' bodies allows specimens to be identified. In this way, INSECTIVORO also meets **HACCP regulations**.

INSECTIVORO is available in versions with one or two speeds to allow insects which are larger or more resistant also to be captured.

A filter on the rear side lets air out into the atmosphere. Where required, a UV-C germicide lamp (model 363G tested by the University of Parma) can be added to sanitise the output air. The **UV-C light destroys germs, viruses and bacteria**, although direct exposure can be dangerous for people and animals. In INSECTIVORO's case, the UV-C lamp is completely enclosed inside the collection drawer, so as to prevent harm to people and animals.



Germicidal Lamp

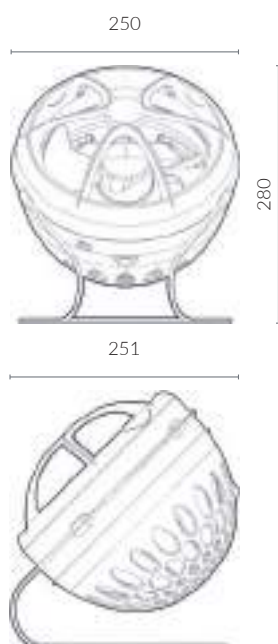
Patent of the automatic drawer closing system



3688L

# MOON LED

MADE IN ITALY



**MOON LED** is the most recent development in the Insectivoro system. The special tilt of the opening makes it particularly **effective against Asian tiger mosquitoes** and improves performance when its placed on the floor.

When a UV-A trap is placed on the ground, furniture and other items surrounding it tend to block the light, reducing its attracting power. **MOON's** angle has been designed to overcome this limitation and increase the action range up to a maximum of ten metres.

## SPECIAL FEATURES

Lowest electrical absorption: only 9W.

Also approved for use in the open air - IP34 protection.

**Silent.**

**Efficient.**

Safe fan: Regulation EN 60335-2-80.

Easy to clean.

Thanks to its light distortion patent, it attracts a greater number of species, for example bedbugs.

**Designed for positioning on the ground.**

Automatic closure of the collection drawer.

**Long-lasting LED.**

Low consumption high-performance motor (1200rpm).

Indoor & Outdoor



## TECHNICAL FEATURES

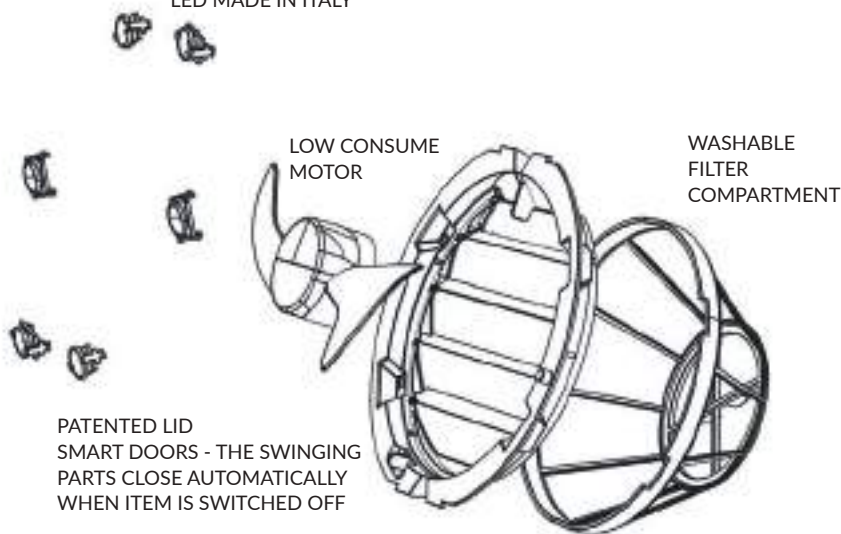
**3688L**

Dimensions in mm.	250 x 251 x 280 mm
Weight	1,27 Kg
Power Supply	100-240V 50-60HZ
Total consumption	9 W
Fan speed	1200 rpm
LED UV-A	6 x 365 nm LED
LED life	30000 h
Bodywork	PC-ABS V0
Insulating class	II
EAN code	MOE3688L



SPARE LEDS 006120

ONLY 6 LED UV-A  
RANGE OF ACTION: 7 LINEAR m  
LED MADE IN ITALY



In addition, the tilt of the opening conforms to the flight habits of Asian tiger mosquitoes. These insects usually fly at below one metre and fifty centimetres.

When they meet a current of air, their flight is interrupted, causing them to fall to the ground where MOON LED is ready to catch them.

Thanks to the new patent, MOON LED luminous technology diverts the light emissions beyond the peak of 365nm. A network of polymers amplifies and partially distorts the light spectrum, so a greater number of species is attracted and the attracting power for flies and mosquitoes is increased.

MOON LED has **IP34 protection** against water and dust, including jets from irrigation systems.



**IP34**



806

# CRI-CRI

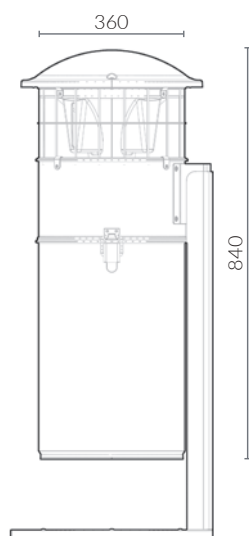
## TURBILED

MADE IN ITALY

### TECHNICAL FEATURES

806

Dimensions	360x360x840
Weight	5,3 Kg
Power Supply	220-240V 50-60HZ
Bodywork	Stell + Plastic
LED UV-A	16 x 1W
LED life	30000 h.
IP protection	IPX4
Standard equipment	Wall Bracket
Range of action	15/18 m.
EAN code	MOE806
SPARE LEDS	006120



ART.4471  
STAND  
MOE4471

**TURBILED**, the LED development of CRI CRI Turbine, combines **high level performance** with **minimal energy consumption**.

TURBILED is equipped with 16 LED UV-A with a light emission of 365nm. Efficient up to 15 metres' distance with an energy consumption of only 12W. It is the perfect device for **agricultural areas and farms**, as it is **safe** for the husbandry and health of animals.

Insects are gathered in a nylon bag enclosed in a steel cylinder. The shape of the collection bag funnel prevents the insects from escaping. The sliding closure system makes it easier to dispose of the insects caught. The structure in ABS and steel, conforms to the impermeability IPX4 rating, which guarantees its use and **durability** outside.

More compact and of a discreet and aesthetically pleasing design, it can also be used in parks and at country shows.

### SPECIAL FEATURES

TurbiLed is equipped with brackets for fixing to walls. Can be placed on the ground, thanks to its shaped support (optional L-shaped ref. 006129).

Easy maintenance.

Powerful engine: 1300 rpm

16 LED UV-A 365 nm

Long-lasting LED – 30,000 hours life expectancy .

**Robustness** from high-quality ABS and stainless steel.

**Water and dust protection** IP55.

Fine mesh nylon bag to collect insects.



IPX4



30602

# CRI-CRI

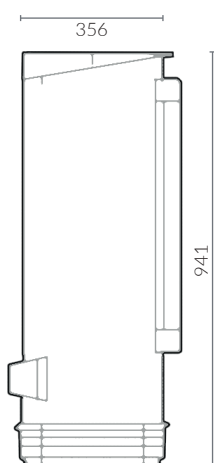
## TURBINE

MADE IN ITALY

### TECHNICAL FEATURES

30602

DimensionS in mm.	407x356x941
Weight	11 Kg
Power supply	230-240V 50HZ
Total consumption	115 W
Attinic Lamp	2x40 W
Lamp life	2000 h
Range of action (m)	15/18 m
Fan speed	1000 rpm
Air intake	4 m/s
Insulating class	I
IP protection	IPX4
Noisiness	62dB/A
EAN code	MOE30602
 SPARE LAMPS	0802



CRI CRI TURBINE has been developed to disinfect critical areas, for example **farms, stables, pig breeders and prawn farms**.

In these areas, the insects caught by CRI CRI 308 were too numerous for the storage drawer capacity, so they overflowed from the collection tray in just over 24 hours.

In response to this, MO-EL has added a suction trapping system to the CRI CRI attracting power to gather the insects in a **capacious nylon bag** which is easy to empty and clean.

Tests carried out by researchers at the University of Bologna have confirmed the **efficiency** of the CRI CRI TURBINE.

First tested in several livestock farm in the rice fields in the province of Pavia, the TURBINE returned surprising results in terms of the number of insects caught. The reduction of the number of insects in circulation in the area has been consistent, which considerably improves the conditions of the animals and improves productivity.

### SPECIAL FEATURES

Special features.

Strong attracting power 2 x 40W neon UV-A .

Minimal maintenance.

**Robustness:** the product is constructed entirely in aluminium, and is therefore resistant to oxidation. Does not emit fumes.

**Silent.**

15-18 m



IPX4





# HYGIENE LINE

HAND AND HAIR DRYERS FOR PUBLIC LOCATIONS



## FEATURES

**The quality of sanitation is essential** for the hygiene and reliability of a public space. Where thousands of people stop, it is absolutely necessary to offer the guarantee of a clean and **hygienically safe environment**. To protect public health and for the peace of mind of professionals in the sector, MO-EL has created a complete line of electronic towels for the bathroom.

Drying hands without any contact is now easy and safe.

**Comfortable to clean** and **extremely robust**, MO-EL products ensure **maximum performance** for thousands of work cycles.

## SAVINGS

### THE ECONOMY

The sanitary line offers an additional advantage: savings. As shown by recent studies carried out in Germany, already after 30,000 work cycles considerable economic savings are achieved compared to the use of paper rolls, while with respect to textile rollers, savings are already made after 2,000 cycles.

## SAFETY

### APPROVALS

As always, **MO-EL guarantees the absolute safety of its appliances**. All products are CE compliant and all electrical parts are fully protected.

As always MO-EL has eliminated the need for any direct contact to reduce any type of risk that could put the user in danger.

- No to useless waste of paper;
- No to interrupted service due to lack of paper in the dispenser;
- No spending exactly 10 times as much just for the happiness of the card provider;
- No paper in drains and on the ground;
- No confusion;
- No vandalism;
- No to the unnecessary destruction of trees.

We can do without at least to dry our hands  
to cut down trees.



# HAND DRYER

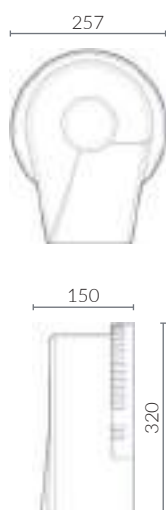
## 315

MADE IN ITALY

### TECHNICAL FEATURES

315

Dimensions in mm.	320x257x150
Weight	2,8 Kg
Power supply	230V 50HZ
Power	2125W
Air speed (m/s)	17
Air flow (m³/h)	155
Insulating class	II
IP protection	IPX3
EAN code	MOE315



**Ergonomic design, practicality and sturdiness**, the **315** model is built in anti-shock and anti-UV ABS. 315 maintains an absolute aesthetic and structural **quality** over time.

The peculiarity of this model is that the air intake takes place in the upper part and not from the bottom, where otherwise it would suck up dust and dirt.

#### STRUCTURE

Conforming to CE standards, all **electrical parts are fully protected** with double insulation in class II.

#### OPERATION

A powerful flow of warm air is **automatically activated** when the hands come closer, thanks to the infrared device.

#### PRACTICAL

The drying time is about **20 seconds**.



IPX3 CE

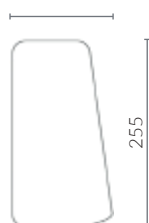
715 - 716

# WHITE DRAGON STEEL DRAGON

## TECHNICAL FEATURES

716

Dimensions in mm.	255x218x160
Weight	2,4 Kg
Power supply	230V 50HZ
Power	1500 W
Air speed (m/s)	12
Air flow (m³/h)	120
Insulating class	I
IP protection	IPX1
Noisiness	65dB/A
Cable/Plug	Schuko
EAN code	MOE716



These models are characterized by an **attractive design** and a converging jet. They have an **excellent consumption/performance ratio** and require **minimal maintenance**.

### STRUCTURE

The **robust** steel body makes it vandal-proof. The photocell is integrated into the bodywork

### PLACEMENT

They are a vandal-proof towel and therefore **suitable for high traffic areas** such as airports, service stations, schools etc...

ANTI-VANDAL

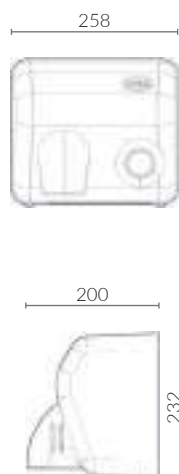


## BLOW

TECHNICAL  
FEATURES

725

Dimensions in mm.	258x200x232
Weight	4,7 Kg
Power supply	230V 50HZ
Power	2300 W
Air speed (m/s)	25
Air flow (m³/h)	210
Insulating class	I
IP protection	IPX1
Noisiness	78dB/A
Cable/Plug	Schuko
EAN code	MOE725



Anti-vandal towels with button and adjustable jet.

Pressing the button activates the **powerful air jet** that dries the hands quickly. To interrupt the delivery of the air jet you can press the button again or wait for the **automatic shutdown** after a few seconds.

## STRUCTURE

The painted steel body with a die-cast aluminum wall plate makes it vandal-proof. The air outlet is in stainless steel. Thanks to the **360 ° rotation of the filler**, it is also possible to dry the face.

## PLACEMENT

It is a vandal-proof towel and therefore **suitable for high traffic areas** such as airports, service stations, schools etc...



ANTI-VANDAL



IPX1

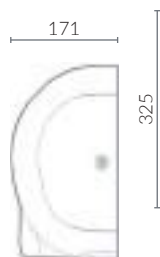


# BORA

## TECHNICAL FEATURES

Dimensions in mm.	295x171x325
Weight	4,9 Kg
Power supply	230V 50HZ
Power	1800 W
Air speed (m/s)	80
Air flow (m³/h)	168
Insulating class	I
IP protection	IPX1
Noisiness	78dB/A
Cable/Plug	Schuko
EAN code	MOE726

726



ANTI-VANDAL

The model is characterized by an **attractive design** and a converging jet. It has an **excellent consumption/performance ratio** and requires **minimal maintenance**. The drying of the hands is **quick and fast** thanks to the system that concentrates the flow and allows the use for a shorter time with less energy consumption.

### STRUCTURE

The **robust** AISI 304 steel body makes it vandal-proof. The photocell is integrated into the bodywork and allows its use without the user having to touch anything.

### PLACEMENT

It is a vandal-proof towel and therefore **suitable for high traffic areas** such as airports, service stations, schools etc ...



IPX1





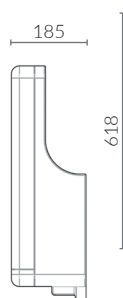
7900

# BLACK HOLE

## TECHNICAL FEATURES

7900

Dimensions in mm.	618x318x185
Weight	8 Kg
Power supply	220-240V 50-60HZ
Insulating class	II
Power	1050-1450W
Air speed (m/s)	135
Air flow (m³/h)	204
Bodywork	Antibacterial ABS
Color	Black
Certification	CE
Noisiness	78 dB/A
Cable/Plug	Schuko
EAN code	MOE7900



### AIR-BLADE HAND DRYER

Through the jet-dryer circular jet technology, the **BLACK HOLE** hand dryer is able **to minimize drying times** and with them the consumption of electricity.

The electric absorption, already limited in itself, can be further reduced by excluding, through a simple switch, the electric resistance.

### NO CONTACT - MAXIMUM HYGIENE

The absence of contact points ensures **maximum hygiene** during the use of the towel and the special antibacterial ABS paint makes it suitable for any type of environment.

The appliance is also equipped with the latest generation HEPA particulate filter.

The collection of water drops takes place through a high absorption ceramic plate and a collection tray placed at the base of the towel.

### MODERN AND ELEGANT

The originality of the shape, the complete black-gloss livery and the presence of operating LEDS enhance its **exclusive aesthetics** and make it the perfect option for the most modern and refined bathrooms.



IPX4



734 - 734G

# TWIST

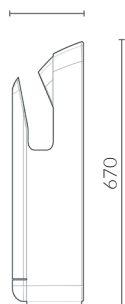
## TECHNICAL FEATURES

734/734G

Dimensions in mm.	290x220x670
Weight	10 Kg
Power supply	230V 50HZ
Insulating class	II
Power	800-1900 W
Air speed (m/s)	95
Bodywork	ABS
Color	White/Silver
Certification	CE
Noisiness	83 dB/A
Cable/Plug	Schuko
EAN code	MOE734/MOE734G



AVAILABLE IN WHITE AND SILVER COLORWAYS

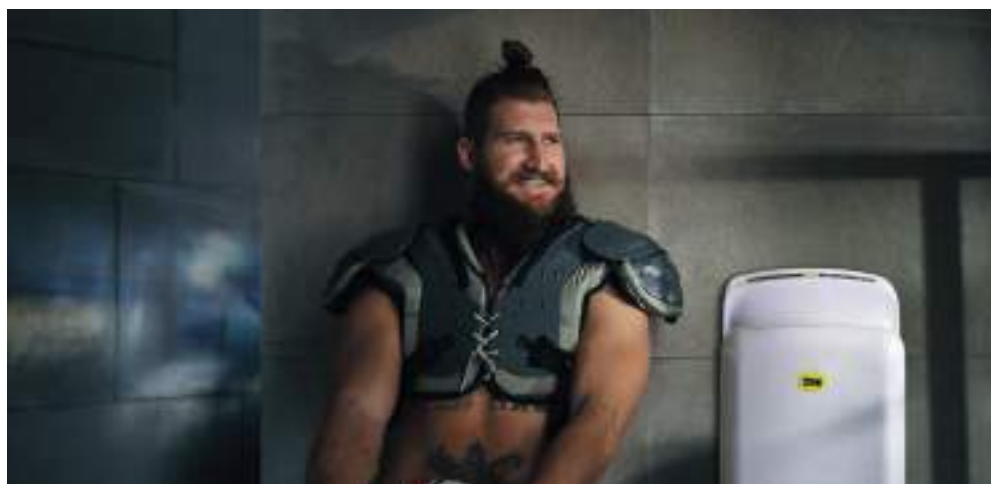


### AIR-BLADE HAND DRYER

Air-hand towels have been designed to reduce power consumption and speed up the drying speed. Put your hands in the upper opening and 2 blades of air with 42 point nozzles blow the drops away from your hands, then dry them thanks to the air that warms up as it works.

A refined electronics protects it from vandalism and external agents. The drip tray guarantees **hygiene** and makes it **suitable for public places**, such as hotels, restaurants, schools and hospitals.

EXCLUDABLE RESISTANCE EQUIPPED WITH AMBIENT THERMOMETER AND DUST FILTER



IPX4 CE

329TR

# FIVE STAR

## TECHNICAL FEATURES

	329TR
Dimensions in mm.	280x205x120
Tube lenght	45÷150
Weight	1,7 Kg
Power supply	230V 50HZ
Power	900 W
Air speed (m/s)	20
Air flow (m³/h)	50
Engine life	900 h
Insulating class	II
IP protection	IPX4
EAN code	MOE329TR

MADE IN ITALY



**Elegant, silent and discreet**, the model presents technical features and aesthetics of absolute quality.

### SAFETY

Conforming to CE standards, IMQ approved, FIVE STARS turns on and off without acting directly on plugs or switches. The electrical parts are totally protected, with double insulation and fixed to the wall. The user only holds the air hose.

### OPERATION

The model turns on by pulling the handle towards the hair and turns off by hanging up.

The ignition mechanism, covered by a MO-EL patent, optimizes energy consumption, avoiding the waste of electricity.

The appliance has a Power of 900W, to guarantee a **quick and safe drying**.

The temperature is designed to avoid thermal shocks to the hair.

### PRACTICAL

FIVE STARS is installed directly on the wall, with screws and plugs that ensure an optimal seal in any condition.

### PLACEMENT

The model is suitable for application in international class hotels.

**ON/ OFF PATENTED  
SYSTEM**

IPX4



320TC

# ELEPHON

## TECHNICAL FEATURES

320TC

Dimensions in mm.	265x105x92
Tube lenght	45÷150
Weight	1,2 Kg
Power supply	230V 50HZ
Power	700 W
Air speed (m/s)	10
Air flow (m³/h)	50
Engine life	900 h
Insulating class	II
IP protection	IPX4
EAN code	MOE320TC

MADE IN ITALY

For the particular shape and the compact design it is ideal for particularly **narrow spaces**.

### SAFETY

Security is guaranteed by **automatic shutdown**. Just let go of the handle and the hair dryer turns off. All the electrical parts are totally protected, with double insulation.

The appliance, compliant with CE standards, IMQ approved, lights up and it turns off simply by releasing the tube. Suitable for **public places**, such as hotels, restaurants and schools.

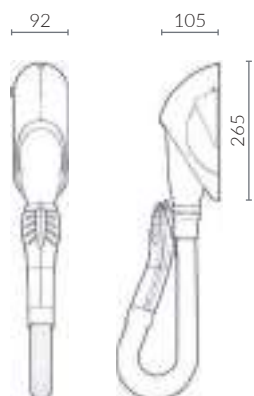
### OPERATION

Using this hairdryer is **easy and intuitive**, just hold the knob and pull it towards you.

### PLACEMENT

Elephon is particularly suitable for use in hotels and communities, thanks to the engine life exceeding 900h.

NOZZLE DESIGNED FOR GREATER DIFFUSION OF THE HEAT JET.



**ON/ OFF PATENTED SYSTEM**



320TR

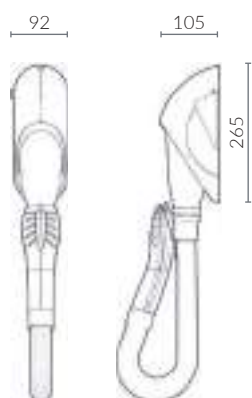
# ELEPHON

## TECHNICAL FEATURES

## 320TR

Dimensions in mm.	265x105x92
Tube lenght	45÷150
Weight	1,2 Kg
Power supply	230V 50HZ
Power	700 W
Air speed (m/s)	10
Air flow (m³/h)	50
Engine life	900 h
Insulating class	II
IP protection	IPX4
EAN code	MOE320TC

MADE IN ITALY



The compact design makes it easily adaptable to **small spaces** both at home and in hotel and community bathrooms.

### SAFETY

All electrical parts are fixed to the wall, protected and with double insulation in class II. The automatic PATENT MO-EL on and off system is activated simply by pulling and releasing the handle. By eliminating any possibility of contact, insertion or disconnection of plugs, ELEPHON is absolutely **safe even for children**.

### STRUCTURE

The structure is in PC + ABS and ABS.

### PLACEMENT

**Great ease of installation:** two screws with plugs ensure a perfect seal in all conditions.

NOZZLE DESIGNED FOR GREATER HEAT JET SPEED.

## ON/ OFF PATENTED SYSTEM



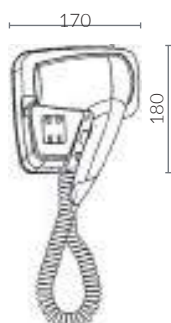
IPX4



TECHNICAL  
FEATURES

720

Dimensions in mm.	180x90x170
Weight	0,8 Kg
Power supply	230V 50HZ
Power	1200 W
Air speed (m/s)	6
Air flow (m³/h)	30
Engine life	900 h
Insulating class	II
EAN code	MOE720



## SAFETY

The model complies with CE standards. The Power is 1200 W for a supplied air speed of 6 m / sec.

## PRACTICAL

Wall-mounted hairdryer with shaver socket. **Simple to use, very easy to install** using a practical wall support.

## PLACEMENT

Due to its aesthetic and structural characteristics, the model is particularly suitable for **professional use**.



2 SPEEDS



# MISTRAL

## TECHNICAL FEATURES

379

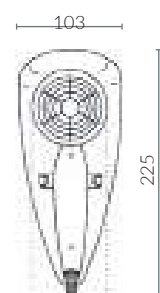
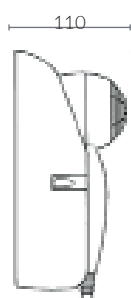
Dimensions in mm.	225x103x110
Weight	0,5 Kg
Power supply	230V 50HZ
Power	1200 W
Air speed (m/s)	12
Air flow (m³/h)	30
Engine life	200 h
Insulating class	II
EAN code	MOE379



Pratico supporto da parete di facile installazione



Spegnimento automatico grazie al pulsante a rilascio



### SAFETY

The model complies with CE standards. The hair dryer has a power of 1200W and delivers 30 m³ / h.

### PRACTICAL

Mistral has a release button. A practical wall support, **very simple to install**, allows the appliance to be stored after use.

### PLACEMENT

Due to its aesthetic and structural characteristics it is particularly suitable for **domestic use**.

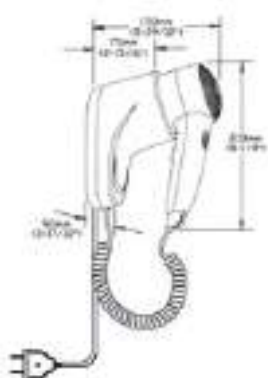


# TRICKY DRYER

## TECHNICAL FEATURES

744

Dimensions in mm.	150x210x90
Cable lenght	cm 65 ÷180
Weight	0,7 Kg
Power supply	230V 50HZ
Power	1200 W
Air speed (m/s)	10
Air flow (m³/h)	54
Engine life	400 h
Insulating class	II
EAN code	MOE744



### SAFETY

The model complies with CE standards. **Simple and easy** to handle, thanks to the gun attachment and the double ON / OFF button.

### COLLOCATION

Suitable for hotels and communities.

Installation between **1.3m and 1.5m** from the ground is recommended.



2 SPEEDS





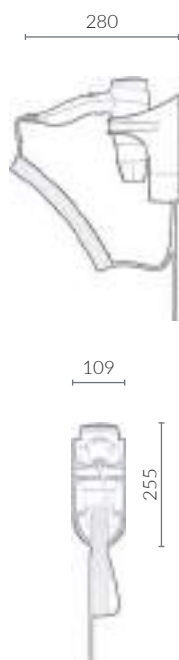
7200

# SWAN

## TECHNICAL FEATURES

**7200**

Dimensions in mm.	255x280x109
Weight	0,75 Kg
Power supply	220-240V 50-60HZ
Power	1600W
Air speed (m/s)	24
Air flow (m³/h)	75
Engine life	600h
Insulating class	II
EAN code	MOE7200



### POWER

It is the **most powerful model in the MO-EL range**, with a maximum Power output of 1600W, an air flow rate of 75 m<sup>3</sup> / h and a speed of 24 m / sec.

### ELEGANCE

The elegant black and chrome ABS livery distinguishes this model and makes it suitable for the most sophisticated environments.

### PERFORMANCES

Possibility to select the jet of cold or hot air and with **2 different powers**, for maximum comfort of use.

The release and automatic switch-off button and the overheating protection system guarantee its use in **complete safety**.



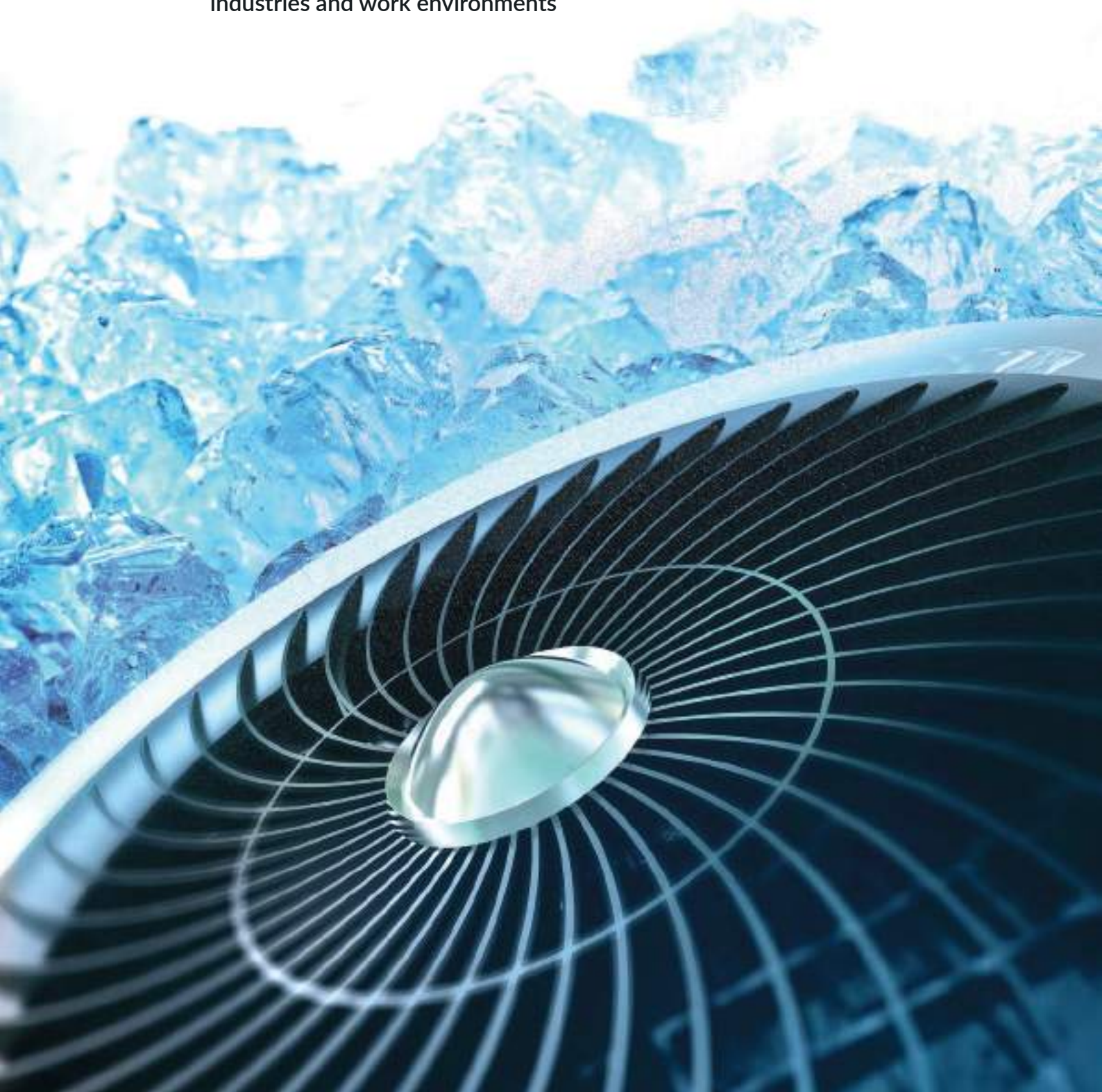
EQUIPPED WITH  
CONCENTRATOR NOZZLE



# RAFFRESCAMENTO AD EVAPORAZIONE

## *Air Cooler* *Turbo Cooler*

- Fresh and clean air without using gas and compressor
- Low consumption and practicality of use
- Ideal for home and professional use: bars, restaurants, churches, industries and work environments



8100

# AIR COOLER

## TECHNICAL FEATURES

Dimensions in cm	43x35x118
Weight	14,4 Kg
Total consumption	180W
Air flow	4000 m3/h
Cooled air	80 m2
Water tank	30 lt
Remote control	Yes
Touch control sensors	Yes
Direct connection to the water supply	Yes
Ice compartment	Yes
Cooling function	3
Speeds	3
Ionization function	Yes
Deflector oscillation function	Yes
Timer	Yes
Environment thermostat	Yes
Wheels	Yes
Washable filters	Yes
EAN code	MOE8100

8100



CONTROL PANEL WITH TOUCH CONTROL SENSORS



MANUAL FILLING OR CONNECTED DIRECTLY TO THE WATER SUPPLY NETWORK



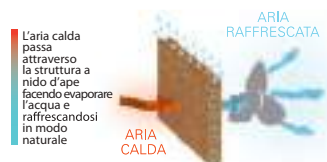
ICE BOX FOR FRESHER AIR



## HIGH POWER EVAPORATIVE COOLER WITH IONIZING FUNCTION

It refreshes the air in a **natural way**. The hot air passes through the honeycomb structure, vaporizing the water and cooling naturally. Very **low consumption** (180W) without the use of compressor or gas: it works simply with water or ice (for a more intense cold). Air flow rate of 4000 m3 / h and tank of 30 lt.

Light and equipped with wheels, it can be used in any environment, also as a simple powerful fan. Equipped with timer, room thermometer and remote control. Ideal for **home use, terraces, bars, restaurants and work environments**.



COMING WITH REMOTE CONTROL





9100

# TURBO COOLER

## TECHNICAL FEATURES

Dimensions in cm	85x55x125
Weight	21 Kg
Total consumption	250 W
Air flow	6000 m3/h
Cooled air	120 m2
Water tank	80 lt
Direct connection to the water supply	Yes
Wheels	Yes
Deflector oscillation function	3
Speeds	3
EAN code	MOE9100

9100



TURBO COOLER is the evaporative cooler created by MO-EL and it is **suitable for high traffic areas** such as airports, service stations, warehouses, hotels, restaurants etc. The **powerful airflow** is combined with the large tank capacity, that can also be filled by connecting it to the water supply network.

Equipped with wheels and low energy consumption, TURBO COOLER represent **the best choice for the sultriness** in summer, even in large-size areas.







# zone

# 3



# OZONE GENERATORS



**Ozone** is a gas naturally present in the stratosphere. It is our natural protection against harmful UV rays. In high concentrations it has a bluish color and a pungent odor. Its concentration in the atmosphere is about 0.04 ppm (parts per million - 1 ppm = 2mg / m<sup>3</sup>). In nature, ozone can be generated with the strong electric discharge of lightning; it is possible to smell it after a thunderstorm.

The electric discharge, acting on the oxygen molecule O<sub>2</sub>, transforms it into a new O<sub>3</sub> molecule, namely ozone. Given its high reactivity, ozone tends to dissociate into O<sub>2</sub> + O, and it is the latter responsible for the high oxidizing power of ozone. After a certain period of time ozone tends to disappear naturally, reducing itself to oxygen, without leaving any trace.

Ozone can also be artificially generated by a process called "Corona effect" starting from the oxygen naturally present in the air and by means of a machine called "Ozonator", which produces electrical discharges inside. Its high oxidizing power was discovered by Christian Friedrich Schönbein in 1840. It is so high that it disinfects faster and in lower concentrations than other disinfectants such as chlorine, chlorine dioxide and mono-chloramine.

Today, **ozone helps us to solve many aspects related to air and water pollution** and its use is becoming increasingly widespread, given that its application ranges from the most professional environments (hospitals, food industries, communities, gyms, beauty centers, swimming pools ...) to the more household ones, more familiar to us, such as our homes and cars.

The use of ozone generates an air oxidation process in the environment in which the treatment is carried out.

This process, in a few minutes, **attacks and disrupts** the cellular components of **bacteria, viruses, mold, mites and small weeds, present in the environment**. Even at low concentrations, with high humidity, ozone has a high virucidal disinfectant action in the air (ISS COVID Report 19 n. 25/2020).

## APPLICATIONS

**Improve air quality** in schools, hospitals, offices, homes and businesses. **Purifies the water** from odors and bacteria. Another useful application is the **sterilization** of tools, equipment, dishes and work clothes (Certificate of analysis of the University of Udine).

## POSITIONING

The device must be positioned in a place where air can freely circulate around the appliance. Therefore, avoid placing it in niches, close to walls, etc. It is recommended to place it at a height of **1.5m**.

Select the duration of the treatment following the instructions in the instruction manual.

Respect the time period in the instruction manual before staying in the room.

In real conditions, the natural decay time required to make the premises accessible is at least **2 hours**. If possible, it is preferable to carry out the treatments at night so that when the work resumes, the amount of environmental ozone is within the health safety limits (Rapporto ISS COVID 19 n. 25 /2020).

#### MAINTENANCE

**Simply clean** the product periodically with a damp cloth. **Do not use chemicals or detergents on the product.**

The product does not contain liquids.

#### NOTE:

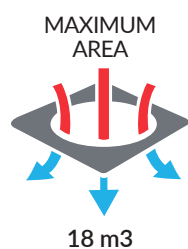
1. Use the ozone generator in a **clean and dry environment**.
2. **Do not use** when temperatures are very high, above 40 ° C.
3. **Do not open the case** of the product.
4. **Unplug the product if it is not to be used for a long time.**
5. **Keep the external surfaces of the product clean.**

Its **inactivation action on bacteria, viruses, molds** etc ... **depends on its concentration in the air and on the exposure time**. According to the data provided by the Italian Ministry of Health, the concentrations and timing can be deduced from the following table:

ORGANISM	CONCENTRATION	EXPOSURE TIME
BACTERIA ( <i>E. Coli</i> , <i>Legionella</i> , <i>Mycobacterium</i> , <i>Fecal Streptococcus</i> )	0,23 ppm - 2,2 ppm	< 20 minutes
VIRUS ( <i>Poliovirus type-1</i> , <i>Human Rotavirus</i> , <i>Enteric virus</i> )	0,2 ppm - 4,1 ppm	< 20 minutes
MOLDS ( <i>Aspergillus Niger</i> , <i>vari ceppi di Penicillium</i> , <i>Cladosporium</i> )	2ppm	60 minutes
FUNGI ( <i>Candida Parapsilosis</i> , <i>Candida Tropicalis</i> )	0,02 ppm - 0,26 ppm	<1,67 minutes
INSECTS ( <i>Acarus Siro</i> , <i>Tyrophagus Casei</i> , <i>Tyrophagus Putrescentiae</i> )	1,5 - 2 ppm	30 minutes

Ozone has been recognized by the **Italian Ministry of Health** (protocol n.24482 of July 31, 1996) **natural defense for the sterilization** of environments contaminated by bacteria, viruses, spores, etc. and infested with mites, insects etc.

# OZ005



## TECHNICAL FEATURES

Ozone production g/h	0,5
Dimensions in mm	230x160x53
Weight in Kg	1
Power Supply	230V 50-60 Hz / 12 Vcc
Power in Watt	20
Maximum Area	18 m3
Air Flow m3/h	0,2
Noise dB(A)	45
Digital Display	Yes
Timer	On 0-40 min Off 40-360 min
Car Adapter	Yes
Water treatment Nozzle	Yes

## OZ005

84

# OZ020



## TECHNICAL FEATURES

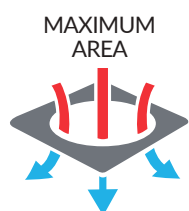
Ozone production g/h	2
Dimensions in mm	310x160x210
Weight in Kg	4,5
Power Supply	230V 50-60 Hz
Power in Watt	60
Maximum Area	105 m3
Air Flow m3/h	0,5
Noise dB(A)	57
Digital Display	No
Timer	On 0-120 min
Car Adapter	No
Water treatment Nozzle	Yes

## OZ020





# OZ070



300 m3



0-180 min



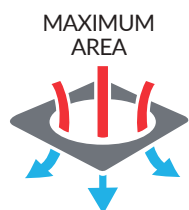
## TECHNICAL FEATURES

Ozone production g/h	7
Dimensions in mm	323x162x184
Weight in Kg	3,3
Power Supply	230V 50-60 Hz
Power in Watt	100
Maximum Area	300 m3
Air Flow m3/h	150
Noise dB(A)	48
Digital Display	No
Timer	On 0-180 min
Car Adapter	No
Water treatment Nozzle	No

## OZ070



# OZ160



600 m3



0-180 min

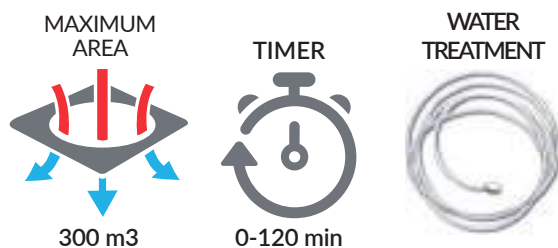


## TECHNICAL FEATURES

Ozone production g/h	16
Dimensions in mm	303x204x184
Weight in Kg	3,8
Power Supply	230V 50-60 Hz
Power in Watt	132
Maximum Area	600 m3
Air Flow m3/h	260
Noise dB(A)	56
Digital Display	No
Timer	On 0-180 min
Car Adapter	No
Water treatment Nozzle	No

## OZ160

# OZ050



## TECHNICAL FEATURES

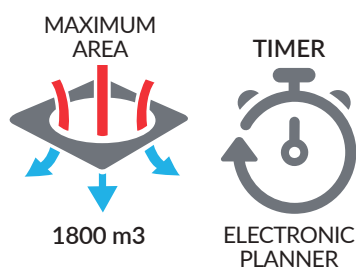
Ozone production g/h	5
Dimensions in mm	320x250x520
Weight in Kg	12,5
Power Supply	230V 50-60 Hz
Power in Watt	140
Maximum Area	300 m3
Air Flow m3/h	530
Noise dB(A)	60
Digital Display	Yes
Timer	0-120 min, ON/OFF switch or manual control
Water treatment Nozzle	Yes

## OZ050



86

# OZ640



## TECHNICAL FEATURES

Ozone production g/h	64
Dimensions in mm	378x278x540
Weight in Kg	12,5
Power Supply	230V 50-60 Hz
Power in Watt	400
Maximum Area	1800 m3
Air Flow m3/h	530
Noise dB(A)	60
Digital Display	Yes
Timer	Electronic Planner
Car Adapter	No
Water treatment Nozzle	No

## OZ640







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