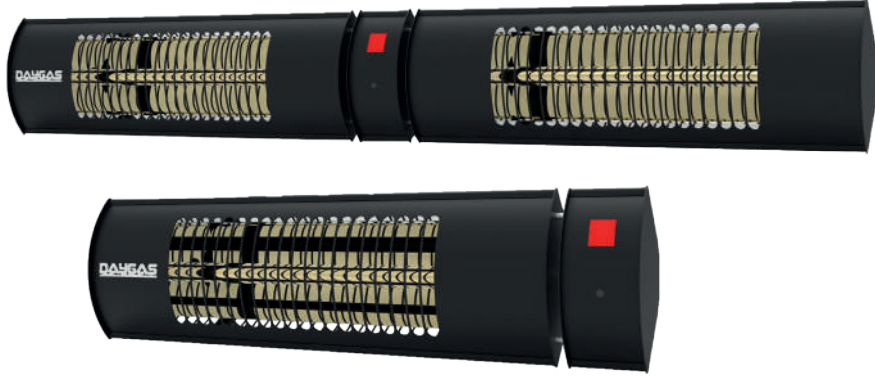


DAYGAS

ısı sistemleri

SOLIS SERIES

USER AND INSTALLATION MANUAL AND WARRANTY CERTIFICATE



MANUFACTURER

Daygas Heating Systems İnş. Tah. Ltd. Sti.
Firuzköy Bulvarı No: 206, 34325 Avcılar / İstanbul
0 (850) 532 91 53 - 0 (212) 423 30 44
Avcılar VD. - 2710796836

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Introduction

Daygas heat systems were put in place in 2014 by young entrepreneurs in Istanbul and started producing gas heaters in open and closed areas. Since the Daygas organization, it has established unconditional customer satisfaction.

Daygas brings to final consumers efficient, economical, quality and functional products that enhance innovation and R&D work, saving energy in the heating industry.

Our company has been operating since 2014 and has been operating in production, sale and aftersales activities of ceramic fillet heaters, industrial ceramic fillet heaters, hot air generators, pipetype fillet heaters and electric infrared heaters.

OUR VISION

To minimize carbon footprint and produce nature friendly products with innovative, technological, economical, quality, functional devices that save energy in the heating and cooling industry.

OUR MISSION

To produce innovative, socially and environmentally conscious design, functional products with unconditional customer satisfaction principle and economic quality.



Solis Series Purpose

Solis Series is designed for heating.

- » Production facilities for industrial and agricultural areas.
- » Civil buildings where people stay temporarily.
- » Sports facilities.
- » Fair and show areas.
- » Garden and arbor heating.
- » Waiting areas such as bus stops.

In accordance with the current technical regulations, construction, sanitary, fire regulations and standards;

- » For local heating of individual places, zones and sites.
- » Buildings, structures and soil in the process of construction of buildings and structures.
- » For technological heating of people.

SOLIS Series Usage Areas

- » Cafes and restaurants
- » Factories
- » Warehouses
- » Houses of Worship
- » Gyms
- » Garages
- » Winter gardens and terraces
- » Military areas

Solis Series heating systems can be used in all desired indoor and outdoor places.



Safety Rules

CAUTION! Carefully read the warnings and information contained in this manual.



The assembly must be done by people who have been approved by the manufacturer and whose assembly qualifications have been approved by the local gas distribution companies and who have been authorized by the local gas distribution companies of these companies and who have received installation training, following the assembly rules of the manufacturer.

The device, which is not properly assembled, should never be operated.



It should be noted that the areas where the device will be installed are adequately ventilated. Installation should be done in accordance with the ventilation conditions determined by the local gas distribution companies.

The device should never be operated in areas without adequate ventilation.



Gas determined by local gas distribution companies in the usage area of the device it must be checked whether it is suitable for the usage pressure. It should be used by making the necessary settings.

The device should never be operated without providing the necessary settings.



In the region where the device will be installed, the electricity distribution company has determined. Whether the electric current and the required electric current for the device to work are suitable must be checked.

In cases where it is not suitable, the device should never be operated.



Check whether the electric current is consistent in the area where the device will be installed. Should be done. If necessary, the electric current should be made consistent by using additional devices.

The device should never be operated before the electric current becomes consistent.



In the area where the device will be installed, the grounding line in the electrical connection suitability should be checked. Grounding line in areas where it is not suitable must be taken separately.

The device should never be operated in areas where the grounding line is not properly connected to the device.



Main Specifications

SOLIS:

It is the most technological infrared heater ever produced. Thanks to its special reflector and halogen bulb developed as a result of R&D studies, it directs all of the rays coming out of the bulb to the objects, thus increasing the heating efficiency and intensity and extending the lamp life. Solis, with a capacity of 2 and 4 kW, is the **"FIRST IP67 IN TURKEY"** it has dust and water proof features that are certified in the standard.

Thanks to the bulb temperature of 2000°C, it meets the need for more intense and long distance heating seen in outdoor environments with the same electricity consumption.

Waterproof Structure: Solis is resistant to rain and water so that it can work smoothly in outdoor conditions.

It Does Not Go Out In The Wind: It is not affected by the wind and freezing cold, the heat is not blown away by the wind, there is no decrease in the heating power.

Level Adjustment: Solis can be used in 5 levels thanks to its remote control, and when the level is reduced according to the need, the electricity consumption of 2000 or 4000 watts decreases with the step.

Aesthetic Design, Easy To Use: Thanks to its compact dimensions, the heater can be easily mounted in various places such as umbrellas and under porches. In addition, the device can be used by hanging it at the desired angle (horizontal, vertical, etc.).

Heating In 2 Seconds: Instant and trouble-free heating is provided by halogen bulbs, which can reach 2000°C in 2 seconds.



What is IP67?

The degree of protection that an object has against solid objects such as dust, sand and dirt and liquids is called IP Protection Class. Design studies of all products in electrical or mechanical systems; It is made taking into account the environmental conditions in which the product will be used The degree of protection that an object has against solid objects such as dust, sand and dirt and liquids is called IP Protection Class. Design studies of all products in electrical or mechanical systems; It is made taking into account the environmental conditions in which the product will be used.















IP protection codes that can be described as universal; CENELEC, headquartered in Brussels, has been determined according to the standard numbered IEC-60529 published by the European Committee for Electromechanical Standardization and has been accepted by the whole world.

The IP rating consists of a 2 or 3 digit number; 3rd digit is mostly not used because it is not included in IEC 60529.

Digits Used in IP Classification and Their Meanings

1. Protection against solid objects.
2. Protection against liquids.
3. Protection from mechanical effects (It is not used very often because it is not included in the standard in IEC 60529.)

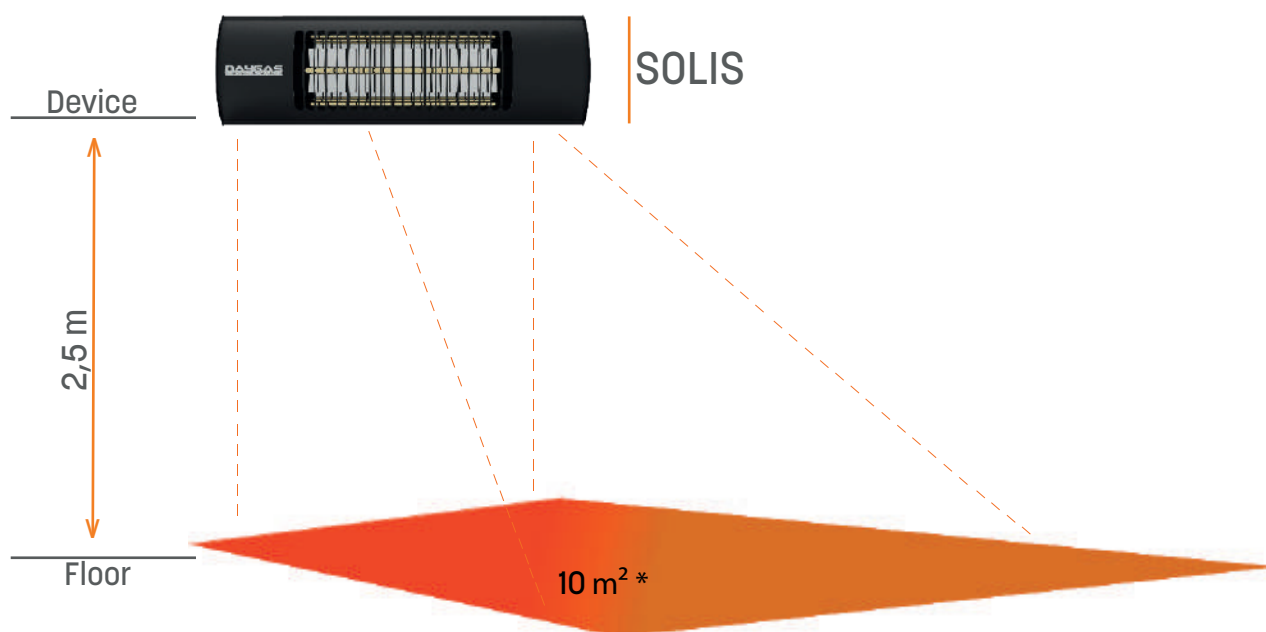
IP INSULATION STANDARDS

First Characteristic Number (Solid)	Second Characteristic Number (Liquid)
 Protected against solid objects larger than 50 mm.	 Protection against vertically dripping water.
 Protected against solid objects larger than 12.5 mm.	 Protected against vertically dripping water up to 15 degrees.
 Protected against solid objects larger than 2.5 mm.	 Protected against vertical water spray up to 60 degrees.
 Protected against solid objects larger than 1 mm.	 Protected against splashing water from all directions.
 Protected against dust.	 Protected against water jets sprayed from all directions.
 Dustproof.	 Protected against strong jets of water sprayed from all directions.
	 Protected against the effects of temporary immersion in water.
	 Protected against the effects of submersion.

Solis Series

Technical Data

CAPACITY - W	2000	4000
ELECTRICITY CONSUMPTION	2	4
DIMENSIONS- cm	H: 14 / L: 51 / W: 8	H: 14 / L: 51 / W: 8
WEIGHT - kg	1,5	1,5
ELECTRICAL CONNECTION - Hz	230/Hz	230/Hz
HEATING AREA - m ²	Min: 7 / Avg: 10 / Max: 15	Min: 15 / Avg: 21 / Max: 28
HANGING HEIGHT - cm	150-250	150-250
IP STANDARDS	IP67	IP67
LIFE OF HALOGEN BULB	Avg. 7000 Hours	Avg. 7000 Hours

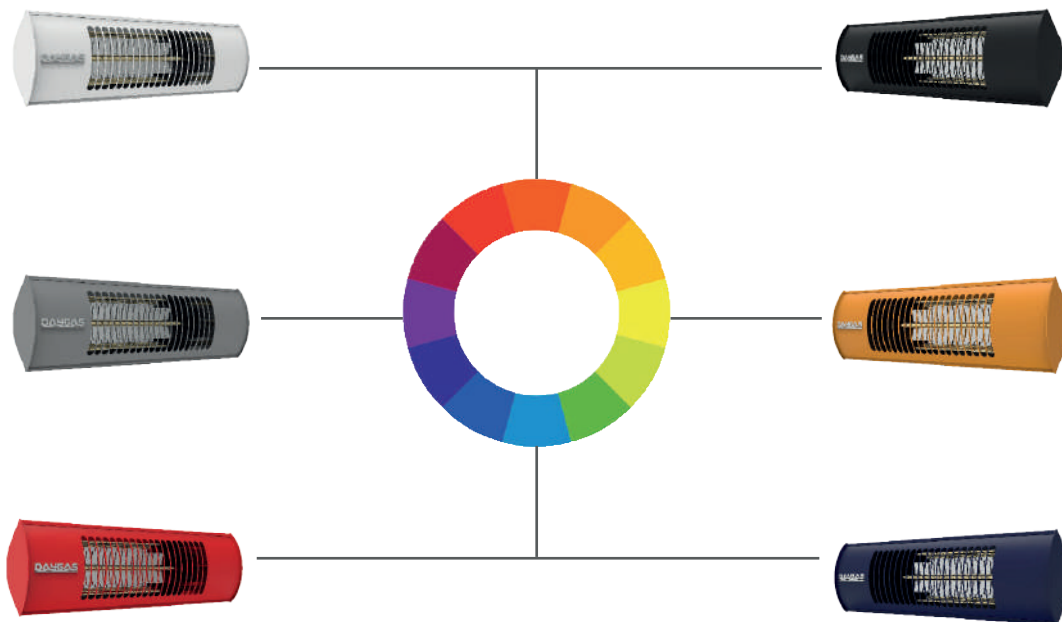
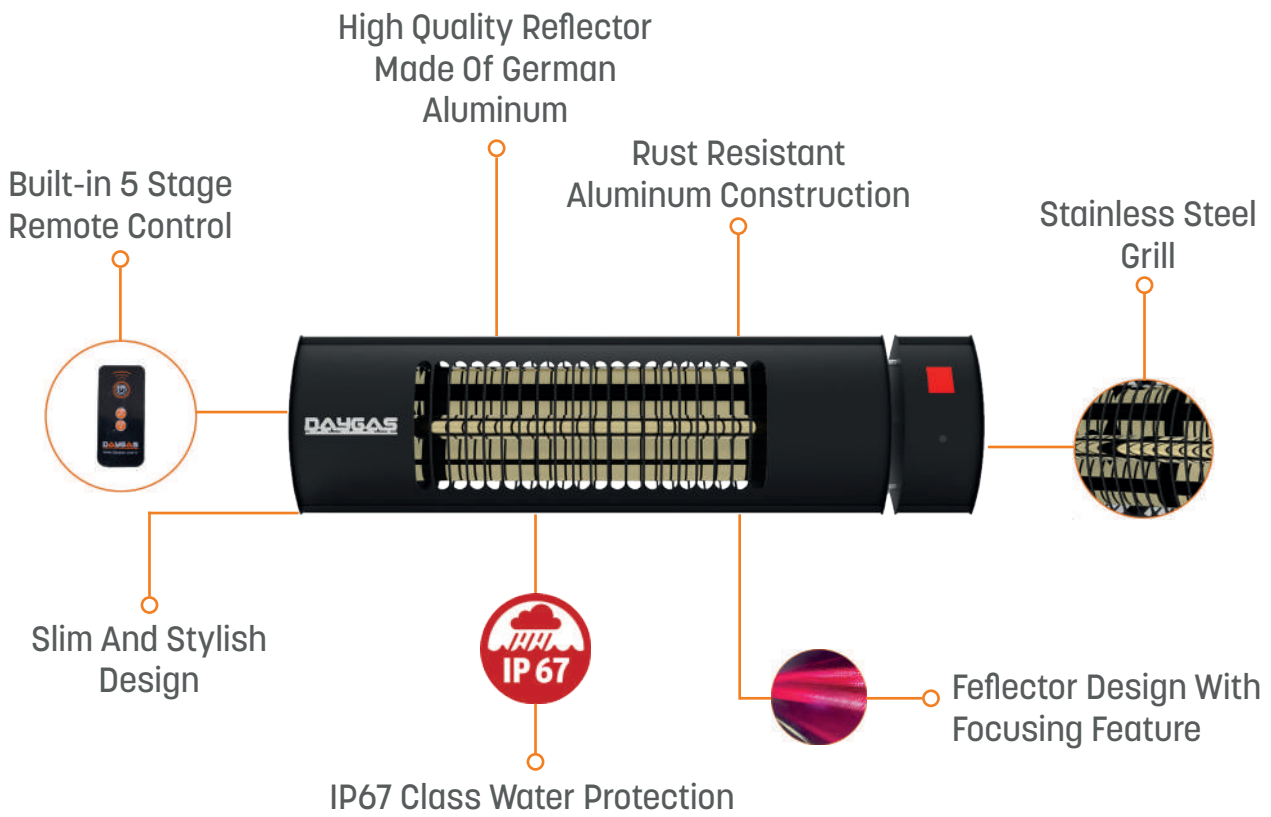


* These values are approximate values, such as indoor use, outdoor use, isolation status, wind conditions, etc. circumstances may change.



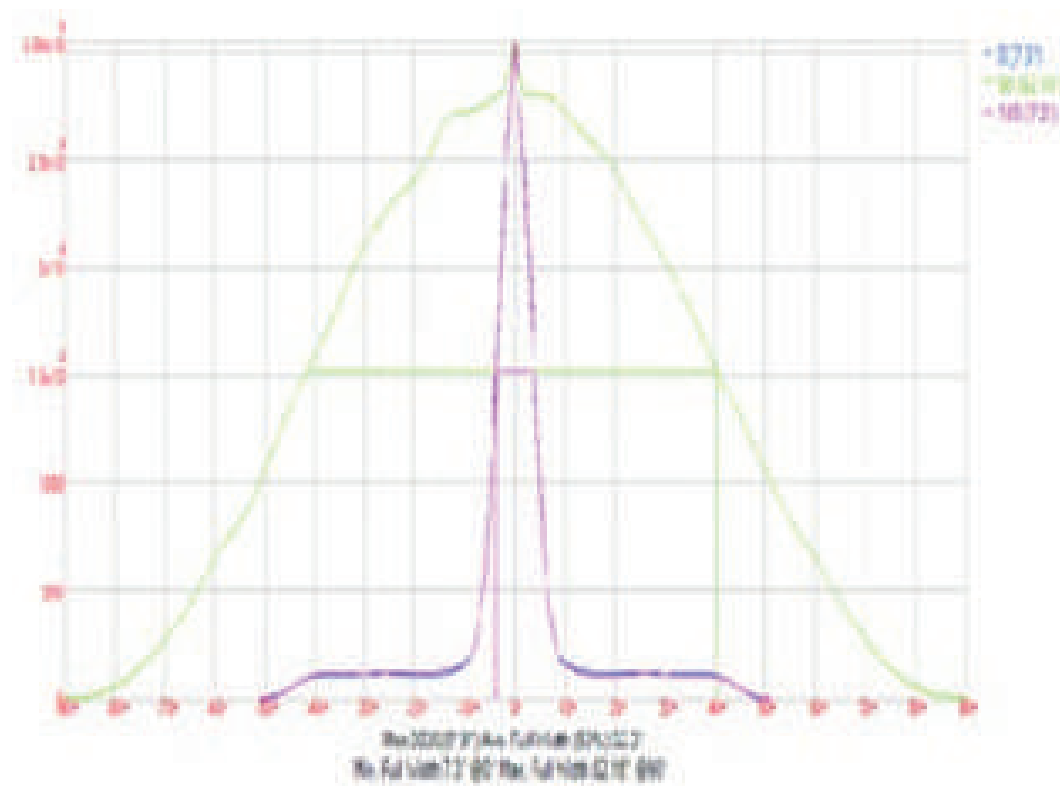
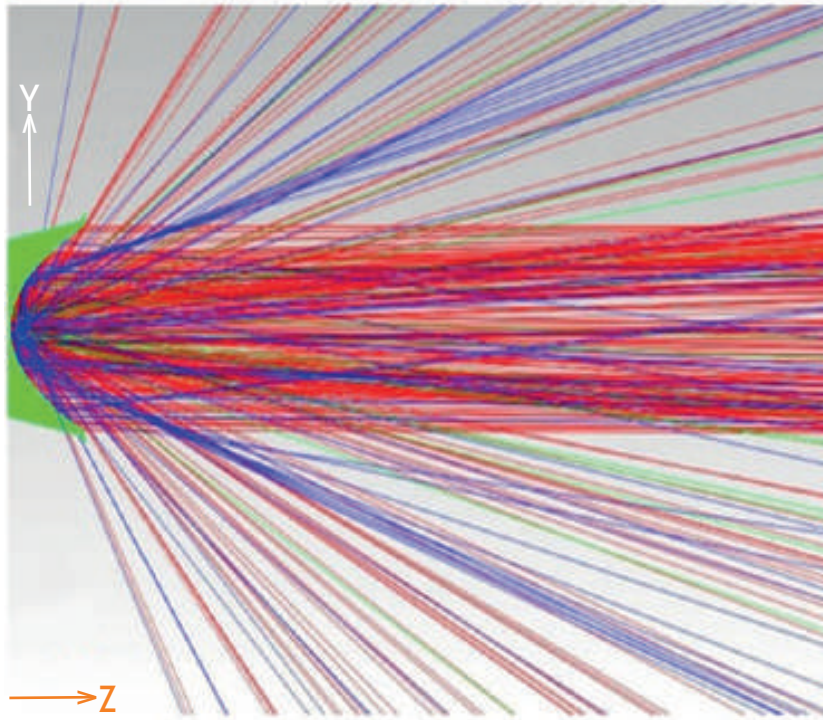
Solis Series

General Features



Solis Series

Light Distribution Chart

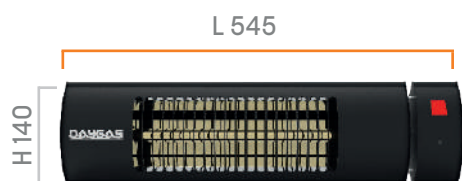


Light Scatter Diagram (angle of spread 7.30)

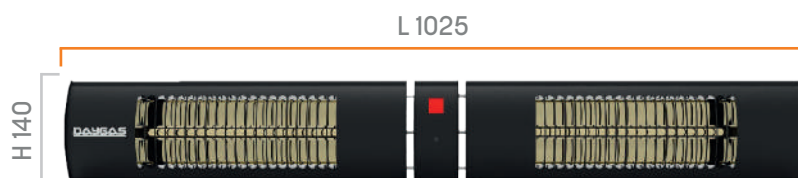


Solis Seres

Technical Data



SOLIS 2000
Remote Control



SOLIS 4000
(Remote Control)

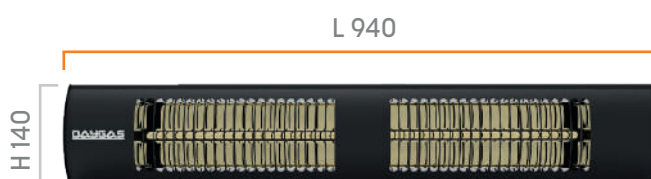
Solis 2000 Remote Control

Solis 4000 Remote Control

Capacity	2000 W	4000 W
Electricity Consumption	2 VA	4 VA
Dimensions	140h / 545L / 85w mm	140h / 1025L / 85w mm
Weight	1,60kg	2,65kg
Electrical Connection	190-230 VAC / 50-60 Hz 230-240VAC 50-60Hz +/-%15	190-230 VAC / 50-60 Hz 230-240VAC 50-60Hz +/-%15
Heating Area	min 7m ² / avg 10m ² / max 15m ²	min 15m ² / avg 21m ² / max 28m ²
Installation Height	150-250cm	150-250cm
IP Standards	--	--
Halogen Bulb Life	Avg. 7000 Hours	Avg. 7000 Hours



SOLIS 2000
(Without Remote)



SOLIS 4000
(Without Remote)

Solis 2000 Without Remote

Solis 4000 Without Remote

Capacity	2000 W	4000 W
Electricity Consumption	2 VA	4 VA
Dimensions	140h / 470L / 85w mm	140h / 940L / 85w mm
Weight	1,10kg	2,30kg
Electrical Connection	190-230 VAC / 50-60 Hz 230-240VAC 50-60Hz +/-%15	190-230 VAC / 50-60 Hz 230-240VAC 50-60Hz +/-%15
Heating Area	min 7m ² / avg 10m ² / max 15m ²	min 15m ² / avg 21m ² / max 28m ²
Installation Height	150-250cm	150-250cm
IP Standards	IP67	IP67
Halogen Bulb Life	Avg. 7000 Hours	Avg. 7000 Hours

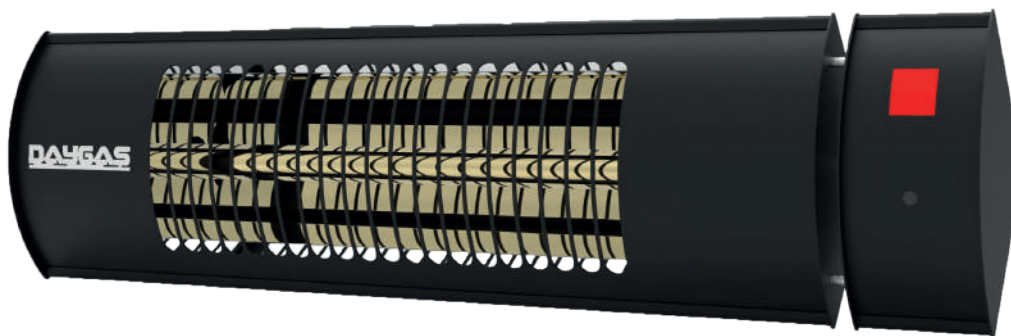
Power Control

Control and Electricity Saving

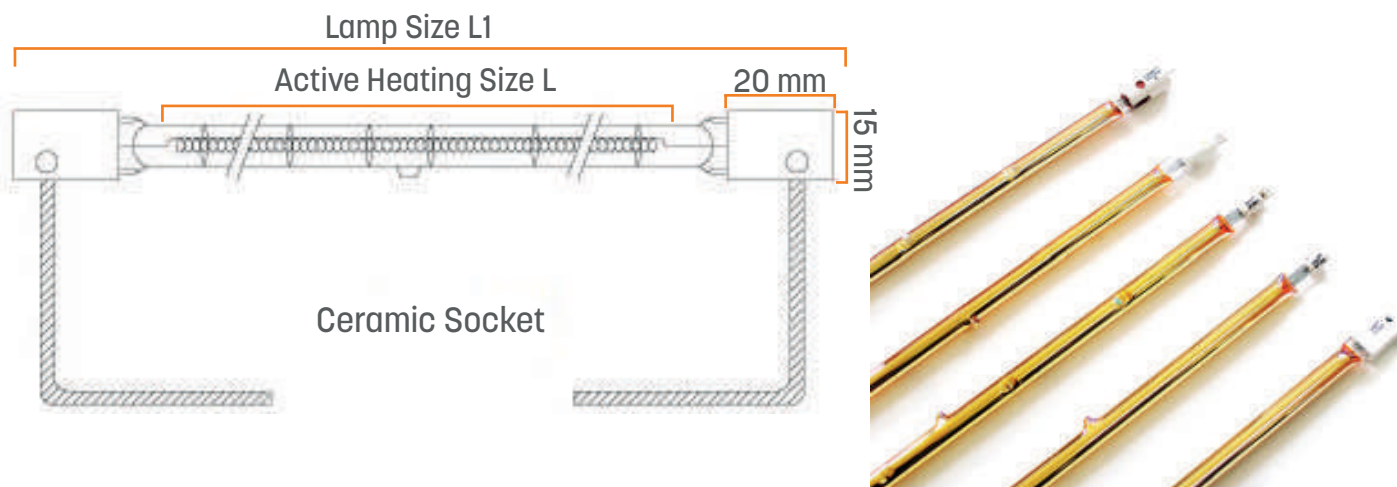
2000 Watt remote controlled cafe infrared heater with remote control, power control and saving electricity consumption.

	SOLIS 2000	SOLIS 4000
1. STAGE	400 WATT	800 WATT
2. STAGE	800 WATT	1600 WATT
3. STAGE	1200 WATT	2400 WATT
4. STAGE	1600 WATT	3200 WATT
5. STAGE	2000 WATT	4000 WATT

They consume power in line with the values given in the table above and contribute to electricity savings.



Infrared Halogen Lamps















- » The halogen infrared lamp shows the highest efficiency working principle up to 900 C. However, these products spread over a large area with the radiation they emit.
- » Color temperature is 2400 - 2500 K.
- » With a working life of 7 thousand hours, another type of lamp that you can prefer today, such as preheating and cooling, that can take very fast action is halogen infrared lamps. It shows high performance at the radiation point.
- » It is a type of lamp that works both horizontally and vertically.
- » Since short wave products have a higher ability to transmit radiation, they are more efficient and effective especially in places where outdoor heating or spot heating is needed. In this way, it is possible to make more effective heating with a smaller capacity heater, that is, by consuming less energy.

Heater Type	Halogen Lamp	Quartz Lamp	Resistance
Sample Picture			
Infrared Wavelength	Short Wave	Orta Dalga	Long Wave
Radiant Yield	85 % >	60 % >	40 % >
Warm-up Time	1 Second	30 Second	5 Minute
Warming Principle	Radiation	Radiation & Convection	Convection
Reflector Focusing	Highly Focusable	Focusable	Impossible

Solis Series

Considerations When Using

-  The usage voltage of the heater is 230 Volt.
-  Use your heater with a 16 A fuse and a grounded socket.
-  The grounded plug of your heater must be used with a grounded socket.
-  Otherwise, we cannot be held responsible for any damages that may arise.
-  Do not use the neutral end of your electrical installation as ground.
-  Your heater is at least 1.5 m away from the nearest object. Make sure it's far away.
-  Excessive heat can cause your items to deform. Use your heater on a smooth, dry and hard surface. Do not use on items such as carpets and rugs.
-  When the cable of your heater is damaged, have it replaced only by an **Authorized Daygas Service**.
-  Do not let the electrical connections come into contact with the heated parts of the heater.
-  The accessible metal surfaces of your heater may be hot during use.
-  Do not cover or cover the heater part, and never use it in flammable and combustible environments.
-  If the halogen bulb is damaged, the heater should not be used.





GUARANTEE CERTIFICATE

Warranty Conditions

1. The warranty period is 2 (two) years from the date of commissioning, delivery or invoice.
2. The entire product, including all parts, is under warranty.
3. If it is understood that the goods are defective, the consumer, in the 11th article of the 6502 Consumer Protection Law;
 - a) Withdrawing from the contract by declaring that he is ready to return the sold item
 - b) Withholding the sold item and requesting a discount from the sales price at the rate of defect
 - c) If it does not require an excessive cost, all costs belong to the seller and the sold is free of charge. request repair
 - d) If possible, requesting that the sold product be replaced with a non-defective one.
4. If the consumer chooses the right to free repair from these rights, the seller; It is obliged to make or have the goods repaired without any charge under any other name, such as labor cost, replacement part cost or any other name.
5. In case of choosing one of the rights of the consumer to repair free of charge or to replace the goods with a non-defective one;
 - Failure again within the warranty period,
 - Exceeding the maximum time required for repair,
 - In case of a report by the authorized service station, dealer, manufacturer or importer that it is not possible to repair; The consumer may request the return of the goods, a reduction in the price at the rate of defects or, if possible, the replacement of the goods with a non-defective one from the seller. The seller cannot refuse the consumer's request. Failure to comply with this request. The seller, the manufacturer and the importer are jointly and severally liable.
6. The maximum repair period of the goods cannot exceed 20 (twenty) working days. This period starts from the date of notification of the malfunction of the goods to the service station, and in the absence of a service station, to one of the seller, dealer, agency, representative, importer or manufacturer - manufacturer of the goods. Consumer's fault notification; by telephone, fax, e-mail, registered letter with return receipt or similar means. However, in case of dispute, the burden of proof lies with the consumer. If the defect of the goods cannot be fixed within 10 (ten) working days, the manufacturer - manufacturer or importer; To allocate another good with similar characteristics to the use of the consumer until the repair of the good is completed has to.
7. Defects arising from the use of the product contrary to the terms in the user manual are not covered by the warranty.
8. The consumer may apply to the consumer arbitration committee or the consumer court in the place of residence or the consumer transaction, in case of disputes that may arise regarding the use of his rights arising from the guarantee.



The Following Matters Warranty Out of Scope

1. In case the device(s) is not installed in accordance with the user manual,
2. After the device(s) has been installed and the warranty has started, a change of location or installation change is made without obtaining the necessary permissions from the gas distribution company and authorized service,
3. If the electrical connections of the device(s) are not made in accordance with the user manual,
4. In case of damage due to the device(s) being used for other purposes at the time of delivery (for example, for the purpose of providing process heat instead of space heating),
5. In case the device(s) are first started up outside of Daygas Heating Systems or Daygas authorized service,
6. In case of malfunctions and damages arising from electrical voltage fluctuations that will occur during the operation of the device(s),
7. In addition, electrical and gas piping materials and various equipment and accessories (gas filter, regulators, pressure reducing stations, thermostats) excluding the specific parts of the device (ceramic plates, ignition module, reflectors, solenoid, electrode, etc.) , electrical control elements and switches) fail, their warranty is limited to the warranties of the manufacturers.

WARNING! Any physical intervention of the product under warranty at any technical service place other than the authorized service or by yourself will terminate the warranty period of the product.



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Delivery Date:

Commissioning Date:

Of The Product;

Brand / Model:

Serial Number:

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Authorized Service;

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Yetkili Signature:

Seller Company;

Title:
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Phone Number:
Fax:
E-Mail:
Authorized Stamp:
Authorized Signature:

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Of The Customer;

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Seller Company;

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DAYGAS

Heating Systems