

LAMP

SOLAR SQUARE



INSTRUCTION AND MAINTENANCE MANUAL



DESCRIPTION

SOLAR SQUARE is a precision instrument which has been manufactured in compliance with the highest optical and mechanical features in order to ideally satisfy the daily requirements of the Dental Laboratory.

MAIN FEATURES

Lens :

diopeters	magnification	dimensions	operating distance (focus)
3x	1,75	185x155 mm	200 mm

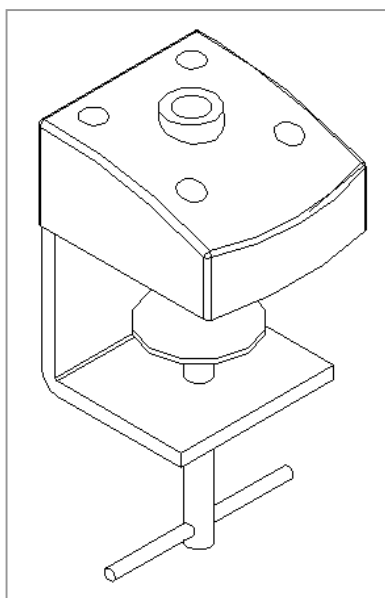
Roof lamp :

lamps	voltage
56 pcs SMD LEDs, producing extremely white light (6400° K)	input 220/240V - 50/60 Hz output 21V 0.3A

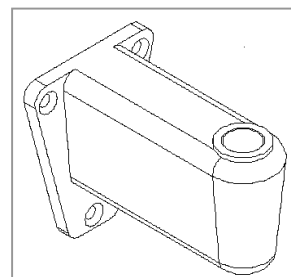
OPERATING PROCEDURE

Gently remove the lamp from its packaging and take out the accessories. The appliance is supplied with two different supports which are necessary to fix the lamp either on the bench or to the wall.

As ideal place for the installation, choose a well ventilated, clean and dry location, with temperature ranging between 0°C and 40°C and relative humidity not exceeding 80%.

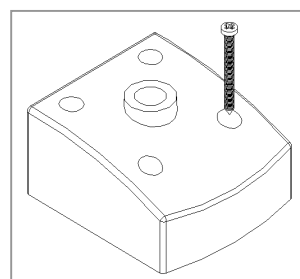


Wall-mounted: the aluminium hanger illustrated in the right picture only will have to be utilized. Mark the exact position for the holes and fix by means of metallic 8mm nogs. Check the stability and further insert the rotating pin assembled on the lower end of the arm.



Bench-top: whenever it is possible, place the clamp beside the bench, tighten firmly, then insert the rotating pin assembled on the lower end of the arm.

Should you prefer to **fix the unit on the work bench**, unloose the 4 screws connecting the upper part to the metallic clamp, mark the positions for the holes and clamp the plastic block.



ELECTRICAL CONNECTION

The electrical connection is processed through the external transformer packed in the case with the lamp. Before connecting the electrical cable, be sure that the rated voltage stated on the label corresponds to the mains voltage and that the socket is duly supplied with earthed wire. The section of the feeding cable supplied with the unit suits to the highest absorbed current (specified in the technical features) and it is one meter long. Should you use any extension, be sure that the section of the cable matches to its length and that it is at least of the same size as the original cable. Plug in the male connector in the socket fitted at the arm base.

OPERATION

The roof lamp is fitted with a cover as protection and for cleaning purposes of the lamp which must be closed in idle mode.

Switch on and true the lamp on the object to be enlarged, then adjust the focusing by lifting or lowering softly the lamp. The extensible arm of the lamp is fitted with articulated joints which can be locked by means of knobs in order to fix in place a certain position. Never force the mechanisms and do not try to force the lamp in extreme positions. Do not forget to switch off the lamp at the end of the work.

CLEANING OPERATION

Use a soft cloth to clean the lens, eventually use a liquid, antistatic and non-abrasive cleansing agent. The other parts of the lamp can be cleaned with any non-aggressive detergent or disinfectant agent specific for the plastic and the enameled metallic surfaces.

Operations to be avoided: to clean the lens surface with your hands, to misuse and apply unnecessary loads to the extensible arm, to clean the appliance with volatile solvents or abrasive cleansing agents, to try to recondition the lamp by yourselves.

WARNINGS

Never utilize the unit for any use differing from the operating purposes it has been designed for and which are clearly illustrated in the present instruction manual.

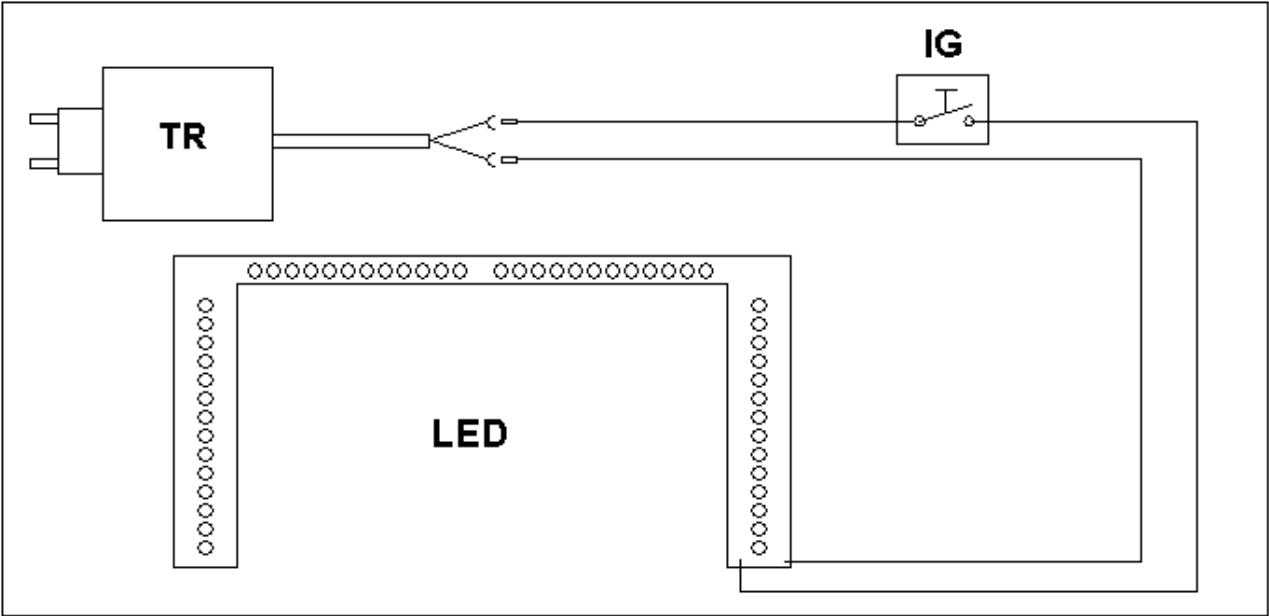
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DEMOLITION AND WASTE DISPOSAL

According to international regulations, this unit has been classified as AEE (electric and electronic device, whose correct operation depends on electric currents and electromagnetic fields) and as a consequence, at the end of its lifetime, it can not be treated as normal waste material but it must be disposed separately, complying with the Directive 2002/96/EEC.

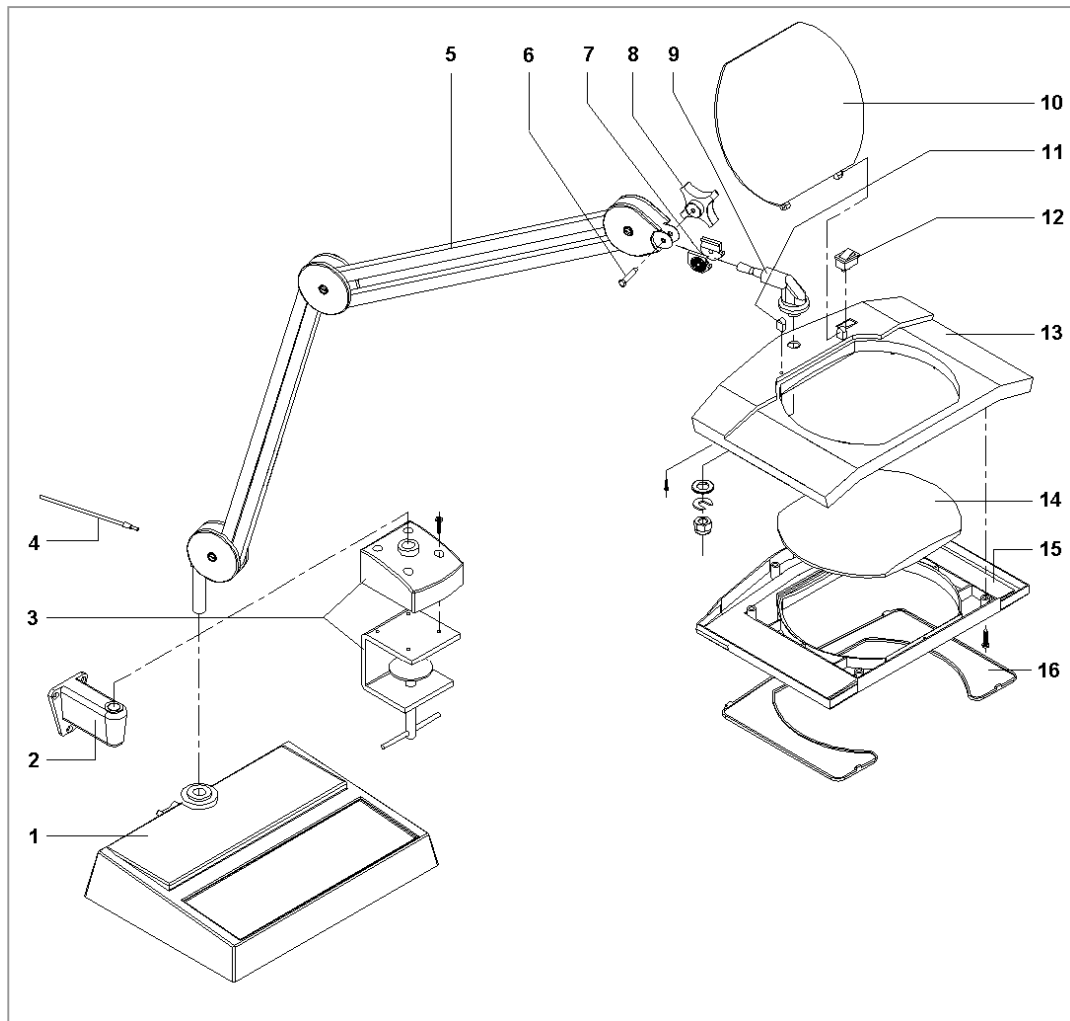


WIRING DIAGRAM



POS.	DESCRIPTION
TR	TRANSFORMER
IG	MAIN SWITCH
LED	SMD LED CIRCUIT

EXPLODED DRAWING AND SPARE PART LIST FOR “SOLAR SQUARE” LAMP



POS.	CODE	DESCRIPTION
1	7001006	BASE (OPTIONAL)
2	7001007	WALL-MOUNTED SUPPORT
3	7001005	BENCH TOP – SUPPORT
4	7001100	POWER CABLE WITH TRANSFORMER
5	7001010LN	EXTENSIBLE ARM
6	7001024	ARTICULATION PIVOT
7	7001025	PAIR OF JAWS FOR ARM ARTICULATION
8	7001014	ARTICULATION KNOB
9	7001026	LIGHT SUPPORT UNIT
10	7001013	LENS PROTECTION CAP
11	7001018	HINGE PAWL
12	7001023	SWITCH
13	7001011L	UPPER PLASTIC BODY
14	7001019	3x MAGNIFYING LENS
15	7001021LN	LED CIRCUIT for SOLAR SQUARE + LOWER BODY
16	7001016LN	LED PROTECTION SHIELD

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