

BENCH LAMP
SOLAR PROFESSIONAL
 INSTRUCTION AND MAINTENANCE MANUAL



DESCRIPTION

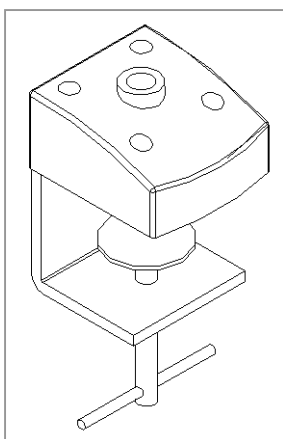
SOLAR PROFESSIONAL is a quality instrument which has been manufactured in compliance with the highest electrical and mechanical features in order to ideally satisfy the daily requirements of the Dental Laboratory.

MAIN FEATURES

lamps	voltage
84 pcs SMD LED, producing extremely white light (6400° K)	input 100/240V - 50/60 Hz output 24V
Absorption	21W

OPERATING PROCEDURE

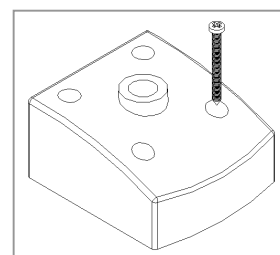
Gently remove the lamp from its packaging and take out the accessories. The appliance is supplied with a support which is necessary to fix the lamp on the bench and the transformer.



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%.

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

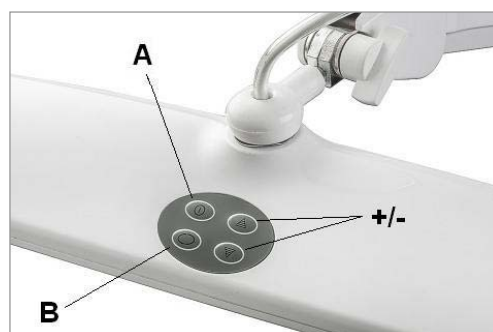
The electrical connection is processed through the external transformer packed in the case with the lamp. Before connecting the electrical cable, be sure that the rated voltage stated on the label corresponds to the mains voltage and that the socket is duly supplied with earthed wire. The section of 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

Switch on the main switch **A** and adjust the lamp light in the most comfortable position.

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. The **B** key will allow for partial lamp lighting (by pressing down in sequence, only the first LED row will be activated, then the second and both at the end).

In addition the LED luminous intensity can be adjusted, too by pushing the keys **+** and **-**.



Do not forget to switch off the lamp at the end of the work.



CLEANING OPERATION

All the 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 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.

In case of demolition, comply scrupulously with the regulations in force in the Country where the operation takes place, always considering that you are handling an electrical device.

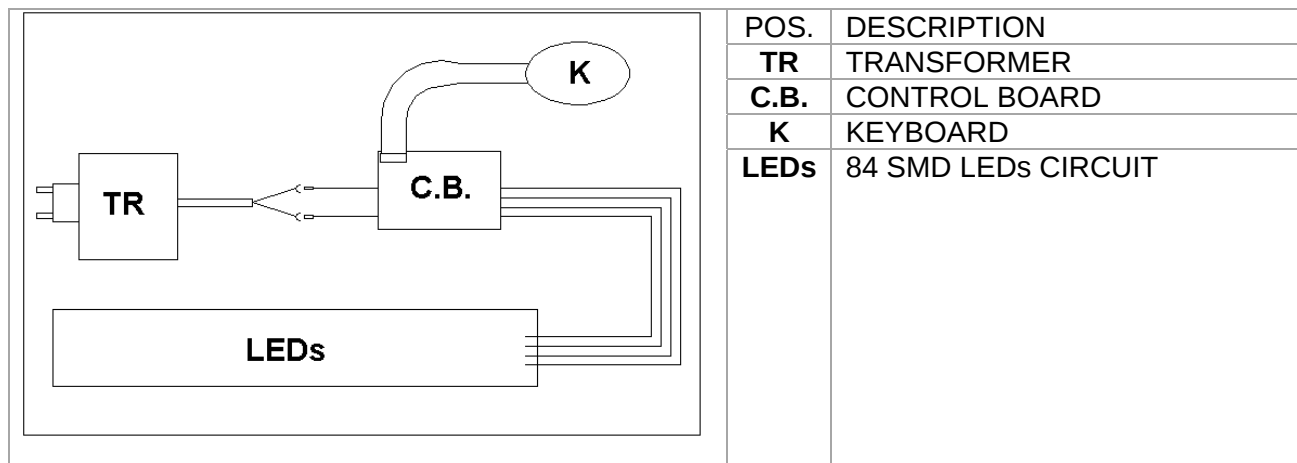
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DEMOLITION AND WASTE DISPOSAL

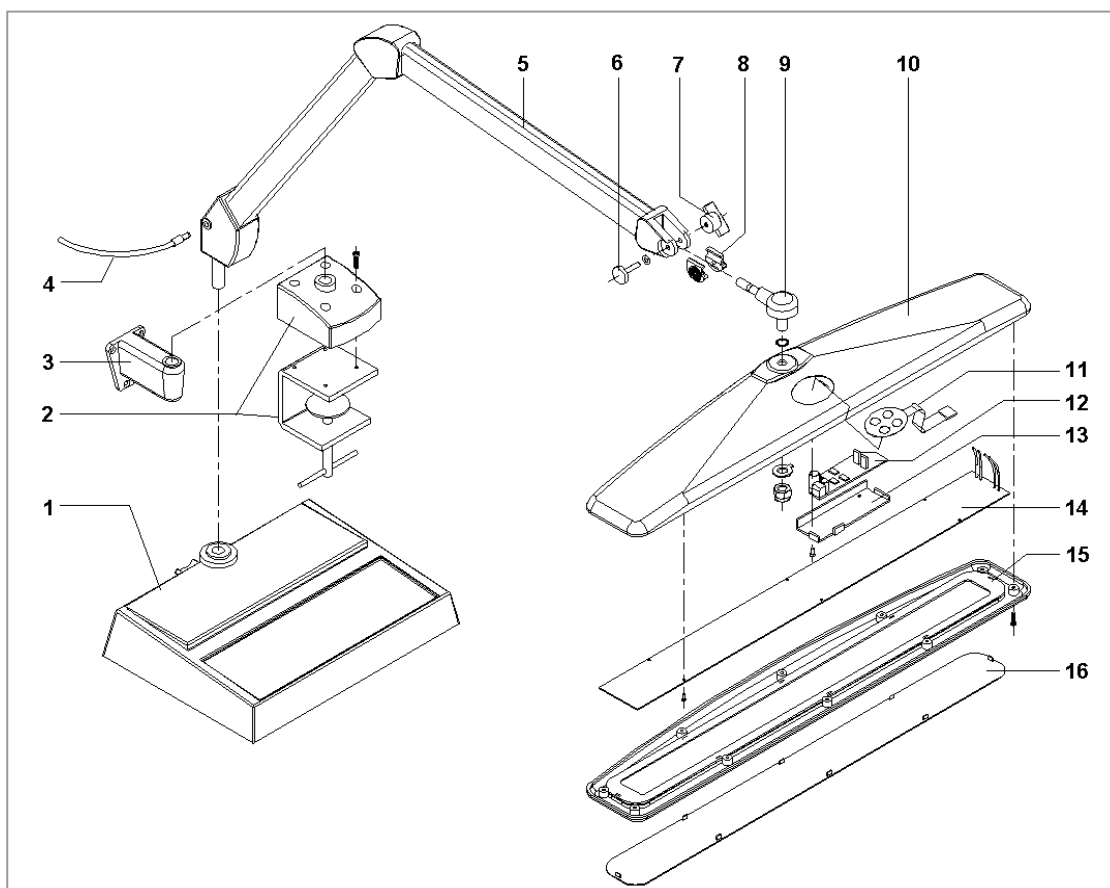
According to international regulations, this unit has been classified as AEE (electric and electronic device, whose correct operation depends on electric currents and electromagnetic fields) and as a consequence, at the end of its lifetime, it can not be treated as normal waste material but it must be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



WIRING DIAGRAM



SPARE PART LIST “SOLAR PROFESSIONAL” BENCH LAMP



No.	CODE	DESCRIPTION
1	7001006	BASE (OPTIONAL)
2	7001005	BENCH TOP – SUPPORT
3	7001007	WALL-MOUNTED SUPPORT (OPTIONAL)
4	7501002	POWER CABLE WITH TRANSFORMER
5	7401001	EXTENSIBLE ARM for SOLAR PROFESSIONAL
6	7501012	ARTICULATION PIVOT
7	7501003	ARTICULATION KNOB
8	7001025	PAIR OF JAWS FOR ARM ARTICULATION
9	7501004	LIGHT SUPPORT UNIT
10	7501005	UPPER PLASTIC BODY
11	7501010	ELECTRONIC KEYBOARD WITH FLAT CABLE
12	7501008	CONTROL BOARD
13	7501011	CARD COMPARTMENT COVER
14	7501009	LED CIRCUIT FOR SOLAR PROFESSIONAL
15	7501006	LOWER PLASTIC BODY
16	7501007	LED PROTECTION SHIELD

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