



L600-N_ARM



Installation, Operation & User Manual

TPC Dental
851 S. Lawson St.
City of Industry, CA 91748
Phone: 626-810-4337
Fax: 626-810-4245
Web: www.tpcdental.com

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**Technical Assistance is available Monday through Friday, 8:00 AM to 5:00 PM PST.
Phone: 800-560-8222**



GENERAL INFORMATION

SYMBOLS

DANGER

The paragraphs marked with this symbol contain instructions which must be followed carefully to avoid damaging the device, the operator and the patient.

WARNINGS

These instructions warn the operator that it is mandatory to operate with utmost care to avoid situations which could damage the device.

RESTRICTION

This icon indicates the most appropriate behavior to avoid damaging the device.

RECOMMENDATIONS

This icon indicates useful details for an effective use of the device.

ADJUSTMENT

SENSOR

SERIAL NUMBER

ITEM CODE

STERILIZATION

SWITCH SYMBOLS

- I - ON
- O - OFF

Other Important Symbols

Disposal Symbol

Dispose of the device according to the regulations on separate waste collection of electrical equipment. Directive WEEE 2012/19/EC

RELATIVE HUMIDITY

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 **TEMPERATURE**

 **Class II Device**

 **Danger Warning Symbol**

 **ATMOSPHERIC PRESSURE**

 **Refer to Documentation**

Refer to the documentation enclosed. Refer to the Manual.

 **WARNING: No modification of this equipment is allowed**

Specifications

Specification	Value
Input Voltage	AC 24V
Frequency	50/60Hz
Power	<15VA
Illumination	Adjustable from <3,000 to >35,000 lux acc. to ISO 9680
Color Temperature	5000K $\pm$ 10%

Package Contents

1. Light arm
2. Power supply
3. Light head (separate box)
4. Light head handles (included in light head box)
5. Nylon adaptor bushing

Installation

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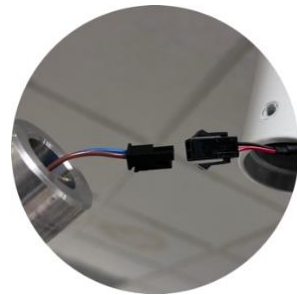
Step 1: Install Light Arm to Light Post

Install the light arm on the light post. A 1 7/8" nylon light post bushing is required for a proper fit into a standard 2" post.



Step 2: Connect The Wire Harness

Connect the wire harness connector from the light arm to the light head. Tuck in any excess wires into the bell housing of the light arm.



Step 4: Secure Light Head

Secure the light head to the arm bell housing using the supplied 2.5mm Allen screw.



Step 5: Connect Main Power

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Connect the main power 24VDC to the light arm wire harness. Use the included terminal connector.



Step 6: Final Check

Verify all connections are secure and test the light operation before use.

Vertical Arm Adjustment

If you experience a downward drift with your dental operating light's vertical arm, please follow the procedure below:

1. Remove the end cap cover on the end of the vertical arm closest to the light head. This requires a small Phillips screwdriver.
2. Slide the outer arm cover off to gain access to the adjustments.
3. Turn the nut located at the end of the light arm to adjust the tension:
 - Turn the nut **clockwise** to increase the tension
 - Turn the nut **counterclockwise** to decrease the tension
4. If your vertical light arm drifts down, then you need to increase the spring tension.
5. If the vertical light arm drifts back up, you need to adjust the friction screw. Only adjust the friction screw in quarter turns.

Adjustment Points:

- Spring Tension Adjustment
- Friction Screw Adjustment



Remove Screw



Remove Cap



Spring Adjustment

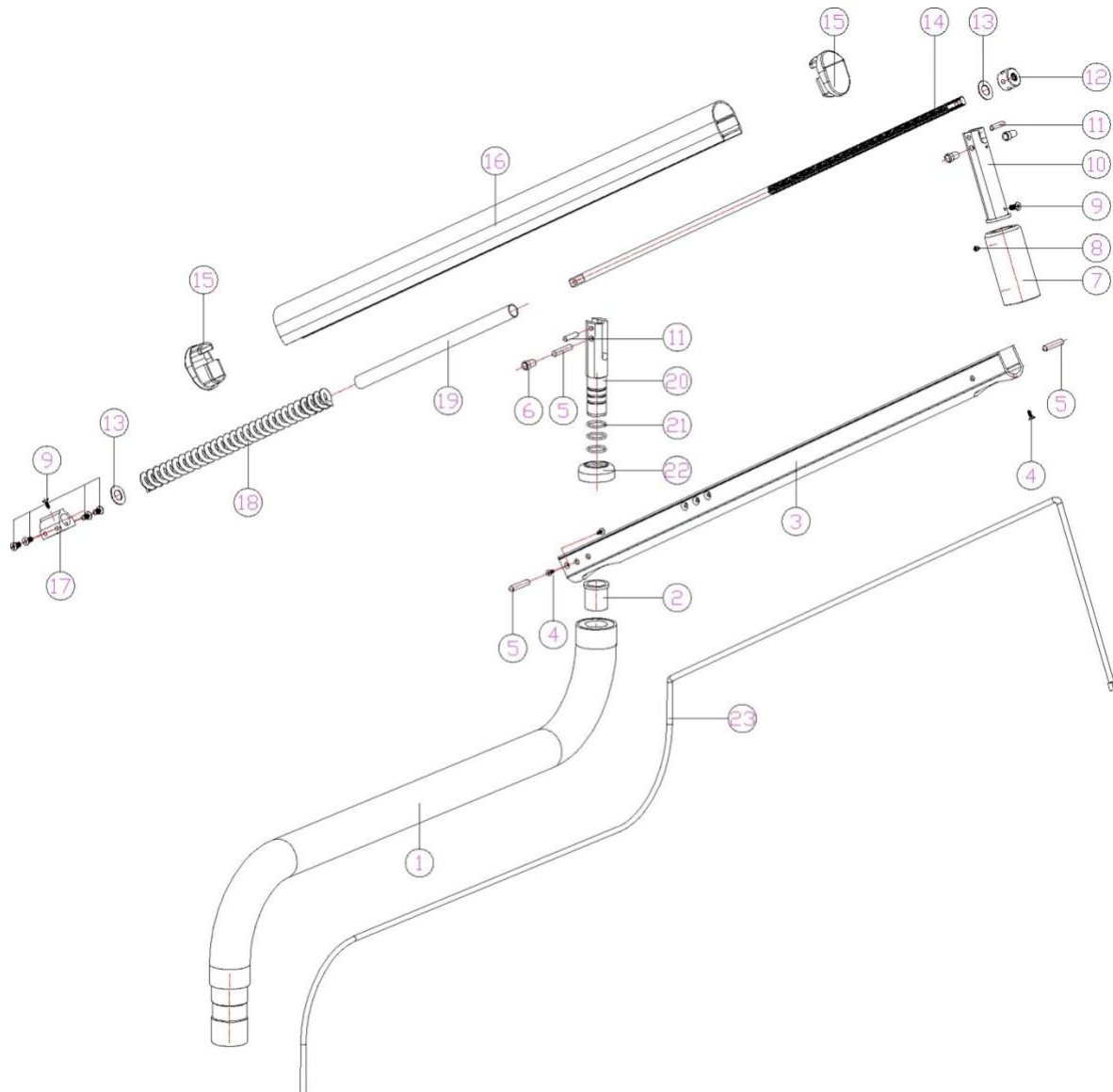


Friction Adjustment



Spring Arm Cover

Arm Replacement Parts List



No.	Description	Part Number
1	Ridge Arm	L600N-ARM-RP-1
2	Nylon Hub	L600N-ARM-RP-2
3	Spring Arm Base	L600N-ARM-RP-3
4	Phillips Screw	L600N-ARM-RP-4
5	Pin	L600N-ARM-RP-5
6	Bushing	L600N-ARM-RP-6
7	Bell Assembly	L600N-ARM-RP-7
8	Set Screw	L600N-ARM-RP-8
9	Phillips Screw	L600N-ARM-RP-9
10	Upper Knuckle	L600N-ARM-RP-10
11	Pin	L600N-ARM-RP-11
12	Tension Nut	L600N-ARM-RP-12
13	Washer	L600N-ARM-RP-13
14	Spring	L600N-ARM-RP-14
15	End Cap Cover	L600N-ARM-RP-15
16	Spring Arm Top Cover	L600N-ARM-RP-16
17	Tension Block	L600N-ARM-RP-17
18	Spring	L600N-ARM-RP-18
19	Spring Sleeve Guard	L600N-ARM-RP-19
20	Connecting Hub	L600N-ARM-RP-20
21	O-Ring	L600N-ARM-RP-21
22	Bezel Cover	L600N-ARM-RP-22
23	2 Conductor Wire Harness	L600N-ARM-RP-23
24	Nylon Light post bushing Not on Diagram	L600N-ARM-RP-24



Cleaning and Disinfecting Guide

Important Notice:

The manufacturer makes no representation as to the disinfectant efficacy of these products. We make no warranty, expressed or implied, that these disinfectants will not damage the surface finishes. Damage and discoloration of the surface finishes are not covered under the warranty. Iodophor-based disinfectants will cause yellow staining on many surfaces. Regular washing with soap and water will minimize this staining. Iodophor neutralizers such as Promeddyne are also available.

Unacceptable Disinfectants

These disinfectants will harm the surface finishes of dental equipment and are not recommended. Use of these products will void your warranty.

Chemical Composition	Trade Names
Strong Phenols	Lysol, Lysol 2, Lysol Professional, Coe Foam, Coe Spray Pump, Vitaphene, Omni II
Phenol/Alcohol Combinations	[Same as above]
Sodium Hypochlorite / Household Bleach	Clorox, Ajax, Purex
Alcohol	
Household Cleaners	

Conditionally Acceptable Disinfectants

These disinfectants have been found to be the least harmful to the equipment surfaces by our test methods.

Chemical Composition	Trade Names
Iodophors	Biocide, Aseptic IDC, Wescodyne, SD5, Promeddyne, Iodo Five
Mild Phenols	Procide ES, Asepti Steryl Aerosol
Glutaraldehyde/Phenol Sprays	Sterall Spray, Coldspar
Synergized Quat	Super Discide, Cavicide, Kleenaseptic
Phenol/Water Sprays	Top Cide, Sporicidin Pump Spray
Other	Birex SE



Warranty Information

LED Dental Operating Lights are guaranteed to be free from defects in workmanship and materials for 2 years from the date of purchase, unless otherwise stated. TPC will repair or replace any defective part at no charge. TPC will not be responsible for labor charges or shipping charges to/from the TPC facility. This guarantee does not cover normal wear or stains on the surface finish. The guarantee does not cover damage resulting from improper installation, misuse, or accidents incurred in shipping and handling. All claims against the freight carrier must be initiated at the time the damaged items are received. The claim is the responsibility of the customer. We are improving our products on a continuous basis. We reserve the right to make modifications without the need for prior notification and are not obliged to modify previously manufactured items. Light bulbs are not covered under any type of warranty. Only authorized service technicians should attempt to service TPC equipment. Service performed by any unauthorized technician may result in a voided warranty.

Maintenance

Maintenance must be performed at scheduled intervals to ensure the operational and functional reliability of your product and to protect the safety and health of patients, users, and other persons. The owner is responsible for making sure that all maintenance activities are performed.

As manufacturers of medical electrical equipment, we can assume responsibility for the safety properties of the unit only if maintenance and repairs on the unit are performed either by us or by agencies which we have expressly authorized, and if components of the unit are replaced by original spare parts in case of failure.

Recycling and Disposal

1. Recycling

Dispose of used equipment in accordance with the principles, standards and requirements of your country. Ensure that the equipment does not become contaminated during disposal.

2. Disposal of Packaging Materials

All packaging materials are selected according to environmental standards and can be recycled. Please send the old packaging materials to the relevant collection and reprocessing system.

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Troubleshooting Guide

Problem	Cause	Solution
Light does not illuminate	No power to light	Check power
	LED has expired	Replace LED
	Transformer has expired	Replace transformer
Light turns on and off when the light head is moved	Open in-line power	Check light head to rigid arm connector. Inspect arm wire.
Vertical arm drifts down	Tension needs to be increased in arm	Tighten arm tension adjustment
Vertical arm drifts up	Friction arm adjustment loose	Tighten friction arm adjustment
Light drifts from left to right	Light post not level	Level unit / light post

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End of Manual