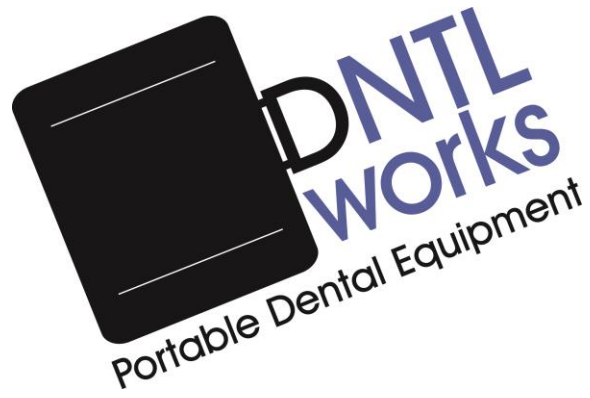


# ProBrite™ LED Lights

## OPERATION MANUAL

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## Introduction

Thank you for purchasing the ProBright™ Portable LED Light from DNTLworks Equipment Corporation. The information contained in the manual should answer any questions regarding service and operation of your ProBright™ lights.

All authorized personnel who operate, maintain, or service your ProBright™ unit should carefully review this manual before attempting to operate, perform maintenance on or service the unit. Your ProBright™ Portable LED Lights should be operated and maintained by trained personnel only. Should questions or problems arise, contact our Customer Service Department.

Although your ProBright™ Portable LED Lights has been designed and tested for maximum safety and optimum performance, it is sold with the express understanding that DNTLworks, its subsidiaries, agents and representatives will not accept any responsibility for the following, including, but not limited to:

- 1) Operator's lack of knowledge, negligence or carelessness in the operation of this equipment.
- 2) Equipment not properly maintained or serviced.
- 3) Injury to personnel or patients from improper use.
- 4) Modification or tampering of any kind.

## Customer Service

In the event you require assistance with your unit, please call 1-800-847-0694 or 303-693-1410 and speak with one of our customer service representatives. Our service hours are from 8:00 a.m. to 5:00 p.m., Mountain Standard Time, Monday through Friday.

In most instances, service problems will be solved over the telephone. If service is required, you may ship the unit to our manufacturing facility for repair. Warranty service will be performed in accordance with the DNTLworks' Limited Warranty. Non-warranty service will be provided at reasonable parts and labor costs.

## DNTLworks Limited Warranty

DNTLworks warrants to the purchaser that these products are free of defects in materials and/or workmanship for three (3) full years from date of delivery, on a "parts only" basis. Bulbs are not covered under warranty. In addition, DNTLworks extends a ninety (90) day labor warranty from the date of delivery for all products we manufacture. Shipping charges incurred to the factory under warranty purposes will be the responsibility of the owner.

During the warranty period, all parts which, upon inspection and examination by DNTLworks, are proven to be defective, will be replaced free of charge. All decisions concerning whether a part will be repaired or replaced and the manner, method, and extent of such repair or replacement will be at the sole

discretion of DNTLworks. The responsibility of DNTLworks does not include repair and replacement cost resulting from misuse, abuse, improper maintenance, or normal wear and tear.

DNTLworks will pay for labor costs for warranty service for a period of 90 days from the date of purchase. DNTLworks sole obligation under said warranty is to repair, or, at its option, replace the defective part. The buyer will have no options.

Warranties for products not manufactured by DNTLworks, but sold in combination with DNTLworks products, will be honored by DNTLworks for the entire duration of the original manufacturer's warranty period.

The warranty will be voided by alterations, tampering with, improper installation or maintenance, accident or modification of the equipment, with the exception of work performed by DNTLworks or one of its authorized service agents. This warranty expressly excludes all damage to the products resulting from careless or neglectful transportation. DNTLworks will in no event be responsible for any work done without first obtaining DNTLworks' written consent.

This warranty is made expressly in lieu of all other warranties, expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. No employee, agent, franchise, dealer or other person is authorized to give any warranties of any nature on behalf of DNTLworks. Except as provided herein, DNTLworks will have no liability or responsibility to the customer or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused directly or indirectly by equipment sold, leased, or furnished by DNTLworks, including, but not limited to, any interruption of services, loss of business or anticipatory profits or consequential damage arising out of or connected with the sale, lease, use, or anticipated use of equipment. Notwithstanding the above limitations and warranties, DNTLworks liability hereunder for damages incurred by customer or other will not exceed the amount paid by customer for the particular equipment involved.

## Returns

Purchased goods may not be returned without the express written consent of DNTLworks and a Return Goods Authorization Number (RGA#). All items must be returned within 14 days of initial delivery and are subject to a 15% restocking charge. Special order items cannot be returned for credit consideration. Freight charges on approved return items shall be borne by the customer.







## Description of Lights

The ProBright™ Portable LED Lights is a lightweight, portable dental light that allows the operator to illuminate the working surface during dental procedures. It is easy to transport or conveniently store, and sets up or disassembles in a few minutes.

## Unit Controls

The controls on your ProBright™ Portable LED Lights are designed for simple, manual operation. A power switch activates/deactivates the light. The illumination area of the ProBright™ LED 3 Light is controlled by distance to the patient, while the ProBright™ LED 10 Light features a focusing ring that adjust the spot size and another ring to adjust brightness.

## Unit Features

ProBrite LED 3	ProBrite LED 10
<p data-bbox="203 302 354 327">Chair Mount</p>  <p>The image shows the ProBrite LED 3 lamp unit mounted on a chair. The lamp has a white, curved neck and a control panel on the side. The chair is dark grey with armrests.</p>	<p data-bbox="842 302 993 327">Chair Mount</p>  <p>The image shows the ProBrite LED 10 lamp unit mounted on a chair. The lamp has a white, curved neck and a control panel on the side. The chair is dark grey with armrests.</p>
<p data-bbox="203 1014 451 1039">Wheeled Floor Stand</p>  <p>The image shows the ProBrite LED 3 lamp unit on a wheeled floor stand. The stand is black with four casters and a central column. The lamp has a white, curved neck and a control panel.</p>	<p data-bbox="842 1035 1091 1060">Wheeled Floor Stand</p>  <p>The image shows the ProBrite LED 10 lamp unit on a wheeled floor stand. The stand is black with four casters and a central column. The lamp has a white, curved neck and a control panel.</p>
<p data-bbox="203 1266 282 1291">Tripod</p>  <p>The image shows the ProBrite LED 3 lamp unit on a tripod. The tripod is black and has three legs. The lamp has a white, curved neck and a control panel.</p>	<p data-bbox="842 1274 932 1299">Tripod</p>  <p>The image shows the ProBrite LED 10 lamp unit on a tripod. The tripod is black and has three legs. The lamp has a white, curved neck and a control panel.</p>









**Specifications**



Specification	ProBrite LED 3	ProBrite LED 10
Weight Chair Mount	5 lbs	5 lbs
Weight Light Wheeled Floor Stand	13 lbs	13 lbs
Weight Tri-Pod	8 lbs	8 lbs

Weight Surface Mount	5 lbs	5 lbs
Weight Post Mount	6 lbs	6 lbs
Weight Swing Arm Mount	8 lbs	8 lbs
Gooseneck	38-1/2"	28"
Focal Area @ 12"/ Foot Candles	4"/4890fc	3-1/4"/4882fc
Focal Area @ 18"/ Foot Candles	5"/2110fc	4-5/8"/2180fc
Focal Area @ 24"/ Foot Candles	6"/1240fc	6-1/4"/1210fc
Amps 115Vac	0.7 mAmps	1 mAmps
Voltage	100 to 240Vac	100 to 240Vac
Power Cord	78"	78"









## Setup/Operation

### ProBrite™ LED 3 Light W/Wheeled Floor Stand




	<p>Place base on floor. Make sure all caster are flat on floor.</p>	 <p>Install knob going through base.</p>
	<p>Install upright.</p>	 <p>Install light in upright.</p>
	<p>Plug in light.</p>	 <p>Turn on power switch.</p>

	<p>Raise light to desired height.</p>	<p>To lower light height: Depress upper bracket. You need to hold upper part of upright so that light will not fall too fast.</p> 
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### ProBrite™ LED 10 Light W/Wheeled Floor Stand

	<p>Place base on floor. Make sure all casters are flat on floor.</p>	<p>Install knob going through base.</p> 
	<p>Place upright through bushings. Tighten knobs.</p>	<p>Install light in upright.</p> 
	<p>Plug in power cord.</p>	<p>Turn on main power switch.</p> 
	<p>You may need to turn on the light with intensity ring.</p>	<p>Adjust light intensity ring.</p> 



 <p>Set light focus.</p>	<p>Raise light to desired height.</p> 
 <p>To lower light height: Depress upper bracket. You need to hold upper part of upright so that light will not fall too fast.</p>	

## Maintenance

Should mechanical or other damage be noted that would affect safe operation, the unit should not be used until repair or replacement of defective items is completed.

### ProBrite™ LED Light

 <p>Remove power cord.</p>	<p>With small screw driver, remove fuse housing.</p> 
 <p>Remove old fuses.</p>	<p>Replace with new fuses.</p> 
 <p>Replace fuse housing.</p>	<p>Replace power cord.</p> 

## Dental Office Infection Control Guidelines (CDC)

### DENTAL OFFICE INFECTION CONTROL GUIDELINES FOR THE PROTECTION OF PATIENTS AND DENTAL CARE PERSONNEL AS RECOMMENDED BY THE UNITED STATES CENTERS FOR DISEASE CONTROL (CDC)

NOTE: A medical history should be taken at the initial patient visit and on recall, updated with notations made on the chart.

#### Barrier Techniques

- 1) Dentists, hygienists and assistants should wear new gloves for each patient treated. Hands should always be washed with liquid soap before and after treatment, contact with patients or after touching inanimate objects likely contaminated by blood or saliva, and before leaving the operatory. Remove torn, cut or punctured gloves immediately, wash hands, and re-glove before completion of dental procedures.
- 2) During all treatment procedures, dentists, hygienists and assistants should wear face masks and protective eyewear, or in lieu of both of these, a chin-length plastic face shield.
- 3) Reusable and/or disposable gowns, laboratory coats or uniforms should be worn when street clothing may be soiled with blood or other body fluids. Gowns should be changed at least daily or when visibly soiled with blood.

#### Cleaning and Disinfection of Dental Unit and Environmental Surfaces

- 1) After treatment of each patient and at the completion of daily work activities, countertops and dental unit surfaces that may have become contaminated with patient material should be cleaned with disposable toweling, using an appropriate cleaning agent and water as necessary. Surfaces then should be disinfected with a suitable chemical germicide.
- 2) A chemical germicide registered with the EPA as a “hospital disinfectant” and labeled for “tuberculocidal” (i.e., mycobactericidal) activity is recommended for disinfecting surfaces that have been soiled with patient material. These intermediate level disinfectants include phenolics, iodophors, and chlorine-containing compounds. Because mycobacteria are among the most resistant groups of microorganisms, germicides effective against mycobacteria should be effective against many other bacterial and viral pathogens. A fresh solution of sodium hypochlorite (household bleach) prepared daily is an inexpensive and effective intermediate-level germicide. Concentrations ranging from 500 to 800 ppm of chlorine (a 1:100 dilution of bleach and tap water or 1/4 cup of bleach to 1 gallon water) are effective on environmental surfaces that have been cleaned of visible contamination. Caution should be exercised, since chlorine solutions are corrosive to metals, especially aluminum.
- 3) Low-level disinfectants - EPA registered “hospital disinfectants” that are not labeled for “tuberculocidal” activity (e.g., quaternary ammonium compounds) - are appropriate for general

housekeeping purposes such as cleaning floors, walls and other housekeeping surfaces. Intermediate and low level disinfectants are not recommended for reprocessing critical or semi-critical dental instruments.

4) Before high-level disinfection or sterilization, and while wearing heavy duty rubber (household) gloves, ultrasonically clean (preferably) or scrub instruments in order to remove debris.

## **Use and Care of Handpieces and Other Intra-oral Dental Devices**

1) Routine between-patient use of a heating process capable of sterilization (i.e., steam under pressure (autoclaving), dry heat, or heat/chemical vapor) is recommended for all highspeed dental handpieces, lowspeed handpiece components used intra-orally, and reusable prophylaxis angles. Manufacturers' instructions for cleaning, lubrication, and sterilization procedures should be followed closely to ensure both the effectiveness of the sterilization process and the longevity of these instruments. According to manufacturers, virtually all highspeed and lowspeed handpieces in production today are heat tolerant, and most heat-sensitive models manufactured earlier can be retrofitted with heat-stable components.

2) Internal surfaces of highspeed handpieces, lowspeed handpiece components, and prophylaxis angles may become contaminated with patient material during use. This retained patient material then may be expelled intra-orally during subsequent uses. Restricted physical access - particularly to internal surfaces of these instruments - limits cleaning and disinfection or sterilization with liquid chemical germicides. Surface disinfection by wiping or soaking in liquid chemical germicides is not an acceptable method for reprocessing highspeed handpieces, lowspeed handpiece components used intra-orally, or reusable prophylaxis angles.

3) Highspeed handpieces should be run to discharge water and air for a minimum of 20-30 seconds after use on each patient. Handpieces, in addition, should be heat sterilized between use on patients. This procedure is intended to aid in physically flushing out patient material that may have entered the turbine and air or water lines. Use of an enclosed container or high-velocity evacuation should be considered to minimize the spread of spray, splatter, and aerosols generated during discharge procedures. Additionally, there is evidence that overnight or weekend microbial accumulation in water lines can be reduced substantially by removing the handpiece and allowing water lines to run and to discharge water for several minutes at the beginning of each clinic day. Sterile saline or sterile water should be used as a coolant/irrigation when surgical procedures involving the cutting of bone are performed.

## **Other Important Issues**

1) A "no-touch" technique (e.g., hemostats or needle holders), should be utilized when using "sharps" (needles, scalpels, blades, etc.).

2) In the operatory, sterilized and decontaminated instruments, charts, and other objects should be protected from patient contact.

3) "Sharps" should be disposed of in puncture proof containers; hazardous and/or infectious waste materials, which include "sharps," should be disposed of in a manner consistent with prevailing local laws.

4) All dental personnel should be encouraged to receive immunization protection whenever possible, e.g., hepatitis B immunization.

5) All impressions, models and devices should be disinfected before submission and upon receipt from the dental laboratory.