

Helios



Designed to  
help you  
see better.

HELIOS LED  
OPERATORY LIGHTING

*Pelton & Crane*

WWW.PELTON.NET



## The Ultimate Light Show

Precise light pattern

Virtually no radiant heat

Conservation of energy

Extended life expectancy

\*Patented Color Mixing

\*No Cure Setting

\*Available with the Helios 3000

# Helios



## Operatory LIGHTING

The Helios family of LED operatory lights is designed to help you see - better. Our goal at Pelton & Crane is to keep your focus on the exam at hand, not your operatory light. Every Helios light boasts a color temperature similar to bright daylight (~5000K), and precise 3" x 6" light pattern with consistent illumination throughout. Long LED lifespan means means no more downtime and cost associated with bulb outages. Additionally, cool operation eliminates the risk of potential burns and uncomfortable ambient heat for you, your staff, and your patients. Reflective technology again lets you focus on your patient: position yourself and your instruments where you need to, as the reflected light of Helios minimizes shadowing.

Helios 1800 delivers all of the benefits listed above, for a true increase in performance over traditional halogen operatory lighting, without breaking your budget. Helios 3000 provides the above and more for a truly unparalleled operatory light experience. Change color temperatures at the touch of a button (5000K, 4200K) for color matching in the chair and tissue evaluation. Remove all blue light from the spectrum for a true No Cure setting - helping you work with composite material in an illuminated field of view without the risk of early polymerization. Helios 3000 helps you work as efficiently as possible, for any general or specialty procedure.

The comprehensive Helios family of LED operatory lights helps you reflect your image of professionalism and excellence, and serves as a critical tool to help you practice dentistry as effectively as possible.





Factory calibrated at 27" (the average length of the human arm), a precise 3" x 6" rectangular light pattern is produced. Forget adjusting the light due to the hot spots and color washing common with halogen lights - uniform intensity throughout the Helios' LED light pattern means illumination where you need it: throughout the oral cavity.

Reflective technology lets you work around your patient instead of your light. Since the light source is reflecting from the continuous curve of the reflector, the operating field is illuminated from all angles. No matter where your hand or instrument is, the field is being illuminated and shadows are minimized.

### CONFIGURATIONS

Designed to accommodate any dental operator, the **HELIOS 3000** & **1800** are available in seven mounting variations



### RANGE OF MOTION



### EFFICIENT AND RELIABLE

The Helios 3000 & 1800 consume about 70% less energy than standard halogen operating lights. Coupled with a minimum life expectancy of 30,000 hours, feel confident knowing that you are saving valuable energy and that you will never need to replace another halogen bulb again.

### COOL OPERATION

Helios 3000 & 1800 are always cool to the touch, thanks to LED technology. Inherently cooler than halogen, the LEDs used in Helios mean no risk of burns for you and your staff, and no uncomfortable radiant heat.

MEET THE NEWEST  
MEMBER OF THE  
HELIOS FAMILY:

## HELIOS 1800

Pelton & Crane's Helios 1800  
operatory light leverages technology  
to provide increased performance  
from traditional halogen lighting.



### PRECISE LIGHT PATTERN

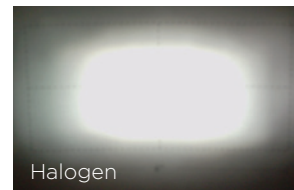
The Helios 1800 has a crisp, consistent 3 x 6" light pattern that focuses only where you need it and stays out of the patient's eyes. Consistency ensures proper illumination in all areas of the oral cavity. High, medium, or low intensity settings help minimize eye fatigue.

### LONG LIFESPAN

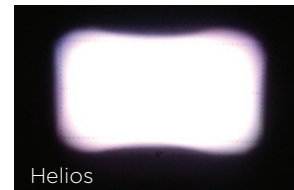
Helios 1800's LED lifespan is a minimum of 12-15 years on average (~30,000 hrs), vs. the typical 1-2 years for halogen bulbs. Never worry about changing bulbs again!

### MAXIMUM EFFICIENCY

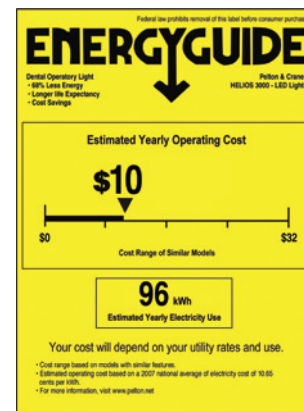
The Helios family goes green so you can save green. Expect a minimum 70% energy savings when moving from halogen to LED with the Helios 1800. Additionally, cool operation means no burns or ambient heating.



Halogen



Helios



## HELIOS 3000

All the features of the Helios 1800 and more. Introduced in 2008, the Helios 3000 changed the game in operatory lighting. Using patented color mixing LED technology, Helios 3000 is the most significant breakthrough in dental operatory lighting in 40 years.

### PATENTED COLOR MIXING

Forget about shade matching at the window. Using a combination of multi-colored LEDs (red, green, blue and amber), Helios 3000's color temperature can be touch-button controlled to produce both 5000°K and 4200°K settings. This is optimal for shade matching - enabling verification of shades at both temperature settings - and tissue evaluation.

### NO-CURE SETTING

The ability to control color output allows the Helios 3000 to eliminate all blue light from the color spectrum while maintaining 15,000 LUX intensity. This state-of-the-art feature prevents polymerization of restorative materials while still providing an illuminated field of view to work in. Never dim or move your operatory lights when working with composites or bonding agents again.



5000° K



4200° K



NO-CURE

# FEATURE SUMMARY

## Helios 3000 & 1800

- Precise 3" x 6" light pattern with uniform intensity
- Long depth of field generated within 18" to 36" range (factory calibrated at 27")
- Approximately 70% less energy consumed vs. standard halogen operating lights
- On average minimum 30,000 hour life expectancy (12-15 yrs.) vs. 3,000 hour life expectancy (1-2 yrs.) of standard halogen operating lights
- Smooth surfaces and handles for easy asepsis and disinfection
- Vibration and shock-resistant
- Dual membrane touch pads
- Third axis rotation
- Spring Flexion Technology - flex arm range of movement travels up to 40° above and below horizontal and up to 27" vertically
- Mounting variations include ceiling, wall, cabinet, track, PMU, ellipse and post mount



## Helios 3000

- Patented RGBA color mixing LED technology
- Adjustable power sensor for automatic control of system on/off functions
- 5000° and 4200° Kelvin selections with high/medium/low intensity settings for optimal shade matching
- No-Cure setting that eliminates all blue light from color spectrum

Feature	Helios 3000	Helios 1800
Precise 3 x 6" light pattern	•	•
Cool operation	•	•
Energy efficient	•	•
Dual membrane touchpads	•	•
High, Med, Low intensities	•	•
7 mounting options	•	•
Third axis rotation	•	•
12-15 year life expectancy	•	•
5000K temperature	•	•
4200K temperature	•	•
True No Cure setting	•	•
Patented RGBA Color Mixing LED Technology	•	•
Vertical Motion on/off	•	•

For more information, contact the Pelton & Crane sales representative in your area or your local authorized Pelton & Crane dental dealer.

800.659.6560

www.pelton.net P/N 060612 Rev-0 11/11

