



SURGICAL LIGHT

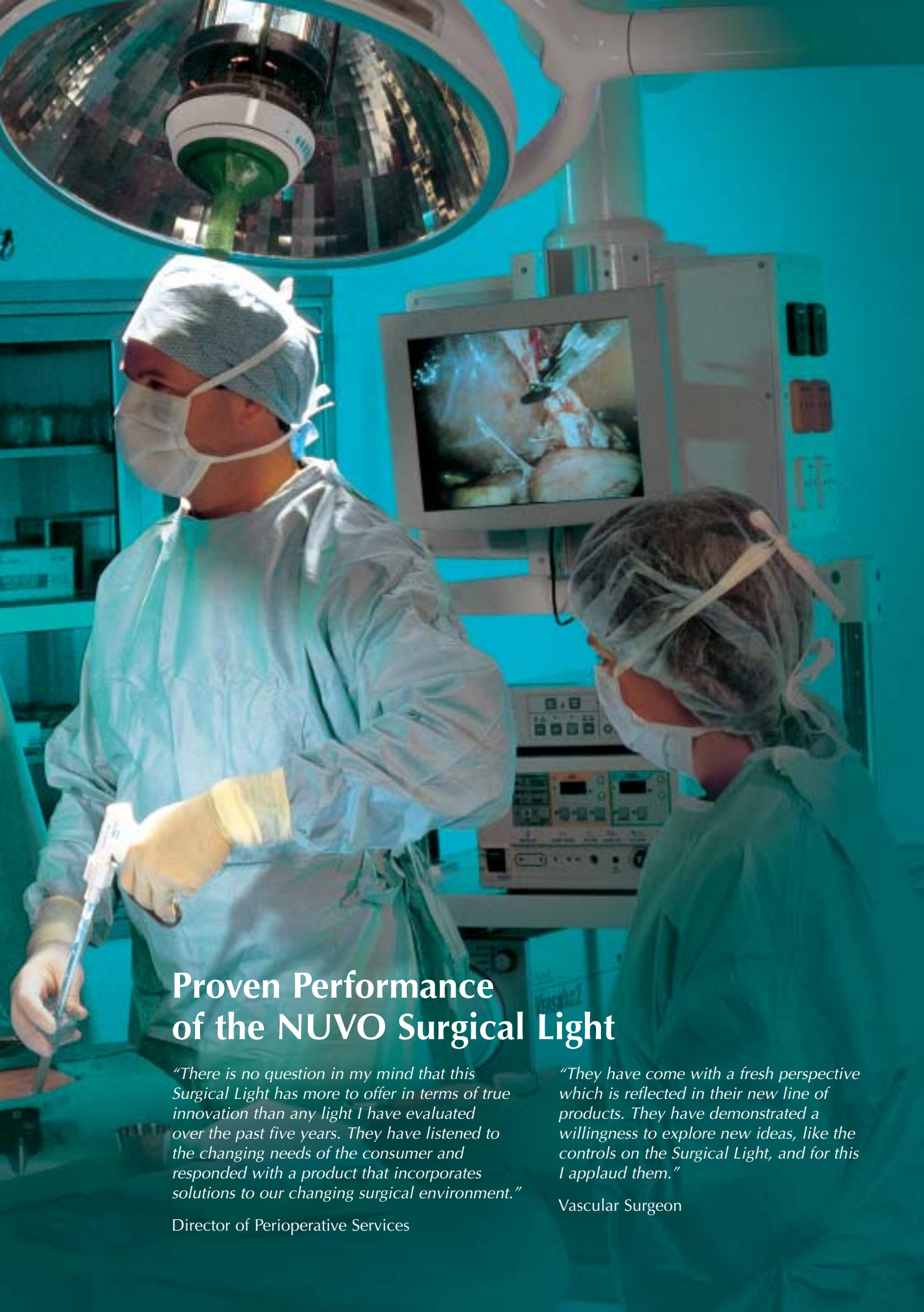


PRODUCT
OVERVIEW



Improved Procedure Efficiency at Your Fingertips

Maximum illumination, excellent shadow reduction, full freedom of movement, and easy-to-operate controls at the sterile handle make the NUVO Surgical Light the light of choice in today's surgical suites.



Proven Performance of the NUVO Surgical Light

"There is no question in my mind that this Surgical Light has more to offer in terms of true innovation than any light I have evaluated over the past five years. They have listened to the changing needs of the consumer and responded with a product that incorporates solutions to our changing surgical environment."

Director of Perioperative Services

"They have come with a fresh perspective which is reflected in their new line of products. They have demonstrated a willingness to explore new ideas, like the controls on the Surgical Light, and for this I applaud them."

Vascular Surgeon

The NUVO Surgical Light Delivers Total

The NUVO light's trademark is its combination of shadow reduction packaged in a compact, extremely easy-to-position light head. This, coupled with the total control of all the light functions from within the sterile field, and the fact that it incorporates a state-of-the-art cooling system to deliver color-correct, ultra-cool light, leads to the acknowledgement of the NUVO Surgical Light as the product of choice for today's surgical suite.

Deep Cavity Illumination

The depth of field offered by this light negates the need to refocus midway through a procedure.

Shadow Control

The multi-faceted reflector generates 1,890 individual rays of light, which will tolerate a large percentage of the projected light being blocked before a shadow is evident.

Long Lasting Bulbs

The bulbs employed in the lamp provide as much as 1,000 hours of uninterrupted light before needing to be changed.

Cool Light

The use of a custom-designed IR filter ensures maximum comfort during long procedures by reducing radiated heat to a minimum.

Sterile Positioning Handle

The handle can be removed for sterilizing or used in conjunction with a sterile cover. This handle provides many functions. First and foremost it provides the means by which the light can be positioned from within the sterile field. Secondly, the handle incorporates the controls for adjusting the light intensity, on/off switch and pattern adjustment.

Full Articulation

The sturdy free-moving support arms provide a full range of movement while remaining totally stable once positioned.

Clean Lines

Special attention has been paid to the aesthetics to reduce visual clutter and improve cleanability.

Color-Corrected Light

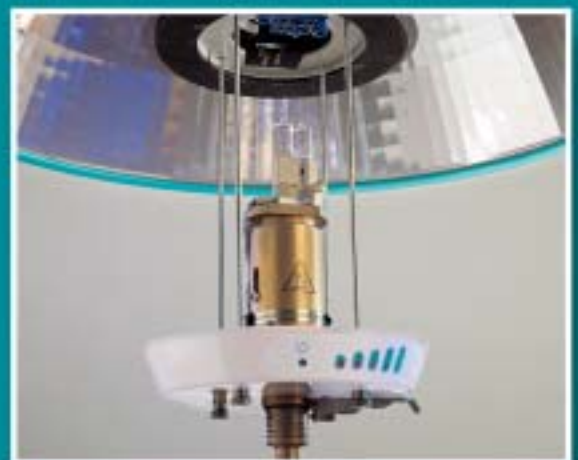
The output from the lamp has been optimized at 4,300°K to ensure color clarity of the surgical light.

Convenient Controls

Controls for intensity are available either on the sterile handle or from the wall-mounted panel (or both).

Changing Bulbs Made Easy

Each lamp head carries two bulbs. If one fails, the second one illuminates immediately, making the changeover virtually unnoticed. Bulbs can be replaced in a matter of minutes, without tools. Spares are stored in the wall-mounted control.



tal Control



... All Light

The light can be turned on and off,
and the intensity, pattern, and
position can all be adjusted
from the sterile handle.





Light Controls are in the Sterile Field



Wall Controls

Wall-mounted controls are precise and easy to use. The smooth, easy-to-clean housing also stores spare bulbs in a concealed compartment.



Technology Behind the NUVO Light

Simple design. Dynamic results. 135,000 lux are generated from a single 180-watt bulb.



1. 1,890 Facets ... the reflector is constructed from a single piece of highly-polished aluminum alloy. The single piece construction ensures that the quality of pattern is maintained over time preventing any distortion. The surface of the reflector has 1,890 facets precisely honed into the surface to capture the maximum amount of light available and project it down into the field of view.



2. The facets deliver the intensity required; and to achieve the shadow reduction, the 1,890 facets have been divided into clusters of approximately 30. The light reflected from each of the 30 facets illuminates an area of the light pattern. To achieve the desired level of performance, the light from only 7-8 facets is required. Since these facets are spread evenly throughout the light head it stands to reason that the light head will tolerate 70-75% (20-22 facets) of the light output being blocked before a noticeable decrease in light intensity is witnessed.



3. To achieve the quality of pattern required, that doesn't scatter unnecessary light outside the surgical field, the reflector combines two geometric shapes namely, elliptical and parabolic. The outer edge of the reflector uses the parabola to give a defined edge to the pattern while also providing a soft feathered edge to help reduce eyestrain. The ellipse provides for an adjustable focal point to allow maximum movement of the light during different procedures without compromising the workable depth of field.



The NUVO OR Suite

A Truly Integrated System

NUVO's OR Suite combines the Surgical Light with the Surgical Monitor to provide a single integrated system that optimizes your ability to view endoscopic procedures. The Surgical Light with the centrally-mounted Monitor accommodates total freedom of movement around the surgical field to allow for optimal positioning and posture during surgery.



Monitor Storage

The monitor moves completely out of the way when not in use, without affecting the light.



Sterile Positioning Handle

Position the monitor easily from within the sterile field.



Less Clutter and Easier to Clean

The sleek design of the NUVO Surgical Monitor delivers maximum flexibility in far less OR space. All the wires and connectors are neatly concealed, for fast, easy cleaning between procedures.



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