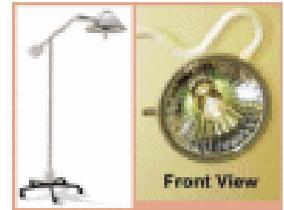


65-11 Midmark 355 Minor Surgery Light (Project 01-22) (2/02)

The Midmark 355 Minor Surgery Light is designed to provide an even light source for surgical procedures. It is advertised as offering counterbalanced, drift-free positioning that requires only two and a half pounds of force. The surgical light features an eight-inch-diameter light pattern that is produced by a faceted reflector at a 36-inch focal length. It contains a convection-cooled, 100-watt halogen lamp that has a listed color temperature of 4200° Kelvin and purportedly produces an illumination of 42,000 lux. The surgical light is said to have earned CE, Canadian, and Underwriters Laboratory certifications and is compatible with a 120-VAC/60 Hz electrical supply. It is available for both single- and dual-ceiling mounting for eight- and nine-foot ceilings and is also available as a mobile, floor-mounted light. The Minor Surgery Light can also be paired with the Midmark 354 Surgical Spotlight (DIS 64-21), which provides high-intensity illumination for surgical procedures. DIS evaluated only the mobile configuration of the 355 Minor Surgery Light in this evaluation.



Manufacturer:

Midmark Corporation
60 Vista Drive
P.O. Box 286
Versailles OH 45380
(800) 643-6275
(937) 526-3662
(877) 725-6495 FAX
www.midmark.com

Suggested Retail Price: \$1855.00

Government Price: \$1045.37

ADVANTAGES:

- + Provides excellent illumination for oral surgical procedures.
- + Bulb is easy to remove and replace.
- + Controls are easy to reach.
- + Integral infrared filter reduces radiant heat production and limits infrared emission.
- + Meets International Standard 9680 requirements for illumination pattern consistency, radiant heat production, and shadow pattern size.
- + Meets all electrical safety requirements.
- + Has a one-year warranty (except for the bulb).
- + Installation and operation manual is complete and well organized.
- + Cost is comparable to that of dental operatory lights currently being used.

DISADVANTAGES:

- Instructions that caution the light is "not for use in oxygen-rich atmospheres" is ambiguous.
- Instructions for voltage requirements are ambiguous.
- Mobile configuration is difficult to maneuver in traditional dental treatment rooms.

SUMMARY AND CONCLUSIONS:

The Midmark 355 Minor Surgery Light is designed to provide an even light source for the illumination of oral surgery procedures. The DIS evaluation found that the light produced an even, wide area of illuminance that was better than that usually seen with dental operatory lights. The light met electrical safety requirements as well as most of the items from the Medical Procurement Item Description #2 for dental operatory lights. The light also met international standards for illumination pattern consistency, radiant heat production and shadow pattern. The USAF Surgeon General's Consultant for Oral and Maxillofacial Surgery expressed the opinion that the light should be considered for all oral surgery

treatment areas. The cost of the ceiling-mounted unit is comparable to that of the ceiling-mounted dental operatory light commonly used in USAF oral surgery clinics. The illuminance requirements of a varied surgical practice might best be met by a combination of the Midmark 354 Minor Surgery Spotlight and this minor surgery light. The **Midmark 355 Minor Surgery Light** is rated **Recommended** for use by the federal dental services.