

# THE WELCH ALLYN FAMILY OF LIGHTING SYSTEMS



**THE LS200 PROCEDURE LIGHT**  
The durable, easy-to-manuever light for procedure rooms. Model 44200.

**THE LS100™ HALOGEN DIAGNOSTIC LIGHT**



The affordably priced, flexible exam light. Model 44100.

**THE EXAM LIGHT II**



The fiber optic halogen exam light that is ideal for OB/GYN applications. Model 48600.

**MOUNTING OPTIONS FOR THE LS200 PROCEDURE LIGHT**



Mobile Stand



Wall Mount

## LS200 PROCEDURE LIGHT TECHNICAL SPECIFICATIONS

### LUMINAIRE

Diameter: 9.5" (24 cm)  
Material: Lexan 940 Polycarbonate

### KEY MEASUREMENTS

Arm: 20" (51 cm)  
Wall Extension Arm: 12" (30 cm)  
Wall to Luminaire Center (90° to wall): 40" (101 cm)  
Mobile Stand Height: 46" (117 cm)  
Mobile Stand Legs:  
16" (40 cm) long x 1" (2 cm) wide x 2" (5 cm) high  
Mobile Stand Base:  
16" (40 cm) long x 18" (46 cm) wide x 4.5" (11 cm) high

### ILLUMINATION

Intensity: 2,500 foot-candles average at 24" (60 cm)  
35,000 lux at 50 cm  
15,000 lux at 80 cm  
Color Temperature: 3,500° Kelvin  
Working Distance: 24" (60 cm)  
Spot Size: 7" (18 cm)  
Depth of Field: 12" total (30 cm) (±6")  
Lamps: Dichroic Reflector, 3,000 hour average lamp life

### CORD LENGTH

Output Cord: 4' (1.2 m)  
Input Cord (Detachable): 8' (2.5 m)

### AGENCY APPROVAL

Listed To: UL 544 for Class 1 Medical Equipment  
CSA 22.2-125 for Class 2G Medical Equipment  
IEC 601-1 for Class 1, Type B Medical Equipment

## ORDERING INFORMATION

- 44200** LS200 Procedure Light, arm and luminaire section. 120V (110-130V), 60 Hz for North America.
- 44205** LS200 Procedure Light, arm and luminaire section for outside North America (specify country and voltage), 230V (220-240V), 240V (230-250V), 50/60 Hz.
- 44210** Wall mount accessory for use with LS200 Procedure Light.
- 44250** Mobile stand accessory for use with LS200 Procedure Light.
- 06400** Halogen replacement lamp for LS200 Procedure Light.



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## FEATURES

## BENEFITS

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① Superior maneuverability	<ul style="list-style-type: none"><li>• Obedient articulation without drifting.</li><li>• Accurate placement of light without repositioning.</li></ul>
② Optimum durability	<ul style="list-style-type: none"><li>• Guaranteed long-term, reliable operation.</li><li>• Designed and tested to meet the most stringent medical device standards: IEC 601-1, UL 544 and CSA 22.2-125.</li></ul>
③ Three-lamp design that operates in parallel	<ul style="list-style-type: none"><li>• Shadow-free illumination.</li><li>• Reliable light source—if one lamp fails, two remain in operation.</li></ul>
④ 24-inch (60 cm) working distance with 2,500 foot-candles light output and 3,500° K color temperature	<ul style="list-style-type: none"><li>• Truer tissue color rendition, for more accurate diagnosis.</li><li>• Better presentation of working field.</li></ul>
⑤ Seven-inch (18 cm) spot size with feathered edge definition and a 12-inch (30 cm) depth of field	<ul style="list-style-type: none"><li>• Larger working field.</li><li>• Reduces eye strain.</li><li>• Less need to maneuver light during procedure.</li></ul>
⑥ Dichroic reflectors	<ul style="list-style-type: none"><li>• Minimal heat from infrared light.</li><li>• Cool working field.</li><li>• More comfortable for the patient and physician.</li></ul>
⑦ Halogen lamps	<ul style="list-style-type: none"><li>• “White” light.</li><li>• 3,000 hour average lamp life.</li><li>• Economical.</li></ul>
⑧ Color-correcting glass	<ul style="list-style-type: none"><li>• Light presentation is not harsh.</li><li>• Enhanced color temperature for better tissue color rendition.</li></ul>
⑨ End-user friction adjustment	<ul style="list-style-type: none"><li>• Consistent, long-term movement of joints.</li><li>• Customized movement.</li></ul>

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