

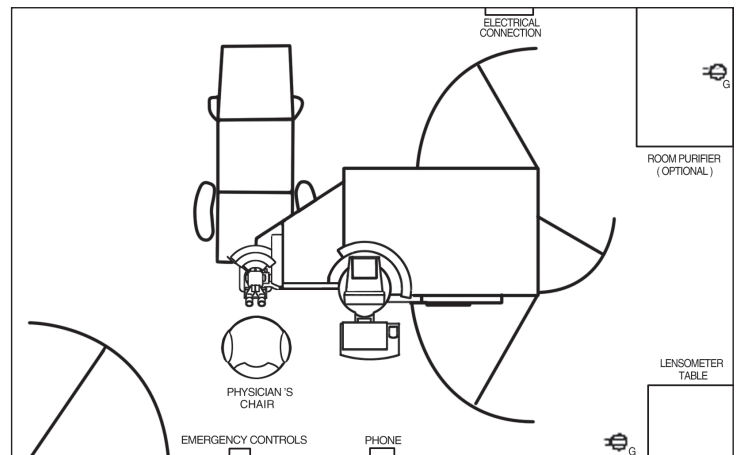


# STAR S4 IR<sup>®</sup> Excimer Laser

## Specifications for Site Installation/Preparation

### Recommended Room Requirements

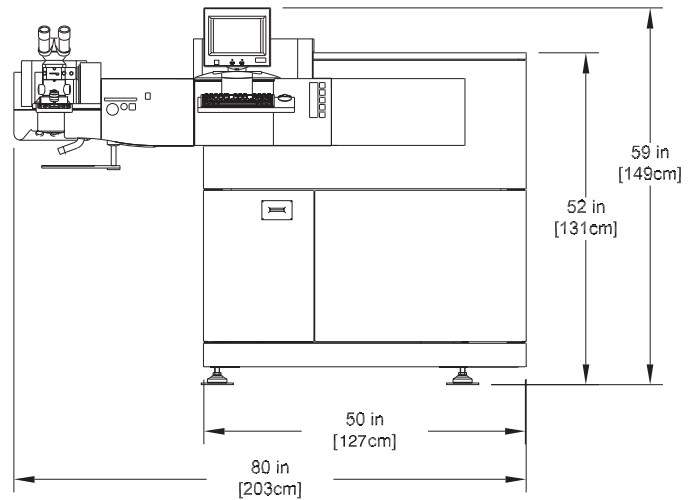
- 12 ft by 15 ft (3.6 m by 4.5 m) or larger
- Width of entry into room should be 40 in (102 cm)  
Minimum: 36 in (91.5 cm)
- Floor must be able to support 2,770 lb (1,257 kg) – 2,000 lb (907 kg) for system and 770 lb (350 kg) for personnel
- Ambient temperature: 60° F to 80° F (15° C to 27° C)
- Humidity requirement: Relative humidity between 35% to 65% (non-condensing)
- Barometric pressure 11 psi to 16 psi (1.6 kPa to 2.3 kPa)
- All electrical connections to laser system should be on same wall and by system rear door
- Room should be kept clean; dust particle-free by tiling floor; do not install carpet; avoid ceiling tiles that shed particles. Room purifier or room evacuation fan is required. If room is freshly painted, do not install system until three weeks have passed to allow paint to dry thoroughly



Typical layout for a 12 ft by 15 ft (3.6 m by 4.5 m) room.  
The service access doors are shown in the open position.

## System Dimensions and Weight

- Height: 59 in (149 cm) maximum
- Width: 50 in (127 cm) (overall)
- Length: 80 in (203 cm)
- Weight:
  - Main Console – 1,600 lbs (726 kg)
  - Patient Chair – 400 lbs (181 kg)
    - Patient Chair: Perpendicular to system at treatment end

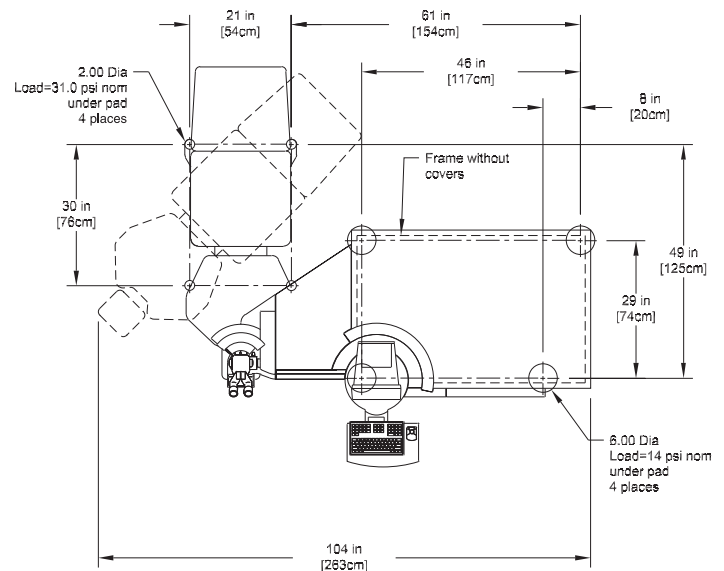


Dimensions of the STAR S4 IR® Excimer Laser

## Electrical Requirements

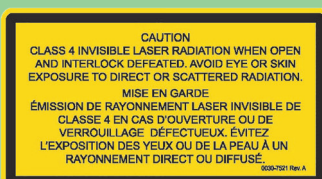
**Follow all local codes and standards. Electrical conduit to the room must carry:**

- 220 to 245 VAC single phase, plus ground, 60 Hz (U.S. specifications)
- 30 amp service
- A main power disconnect system is required
- Use breaker or fused type with disconnect switch
- Hard-wire system into electrical box
- Place box no more than 10 ft (3 m) from cord outlet on laser unit
- Provide a strain relief where laser power cable enters box. Power cable diameter is 0.75 in (1.9 cm)
- Place electrical box approximately 5 ft (152 cm) from floor and close to system
- Electrical connections should be placed by system rear door



Floor Loading Diagram

Johnson & Johnson Vision cannot take responsibility for the ability of any building, office, or other structure or installation site to meet building codes. Due to the uniqueness of individual building construction and local code variation, Johnson & Johnson Vision strongly recommends that specific installations be analyzed individually, by consulting with a structural engineer.



U.S. Federal Law restricts this device to sale, distribution, and use by or on the order of a physician or other licensed eye care practitioner.

**ATTENTION:** Reference the Operator's Manual for a complete listing of Indications and Important Safety Information.

**Reference:** STAR S4 IR® Excimer Laser Operator's Manual

For a complete set of requirements and information on site installation/preparation please contact our technical support team at 1.800.511.0911

Johnson & Johnson VISION