Single, Variable-Focus 30" LED Surgical Lighting Fixture
Aurora Four

LFSLFSAUA7, LFSLFSAUA7TV

Model LFSLFSAUA7

Technical Data

Fixture Weight: 212 kg

Moment Load: 1996 N·m

Minimum Ceiling Height: 2858mm

Maximum Ceiling Height: 3289mm

Electrical: 100-240VAC, 95-175VA, 50/60 Hz, 1 phase

Max Intensity at 1 meter (lux):   @4100K = 160,000
@4500K = 146,000

CRI: @4100K = 95   @4500K = 95

Color Temperature: @4100K @4500K

Total Irradiance (watts/m^2):   @4100K = 523.6
@4500K = 483.7

R9: @4100K = 89 @4500K = 97

Architectural Specification

The Aurora Four surgical lighting system consists of a ceiling mounted radial arm system with dual Flat Screen monitor mounts and a 30″ (762mm) diameter lighthead. Flat Screen monitor mount arms provide 340° rotation at the ceiling mount with adjustable stops. Monitor mounts provide 540° of rotation, 150° of tilt and will accommodate up to a 20 pound (9 kg) flat screen monitor. Continuous 360° rotation is provided at all lighthead rotation points.
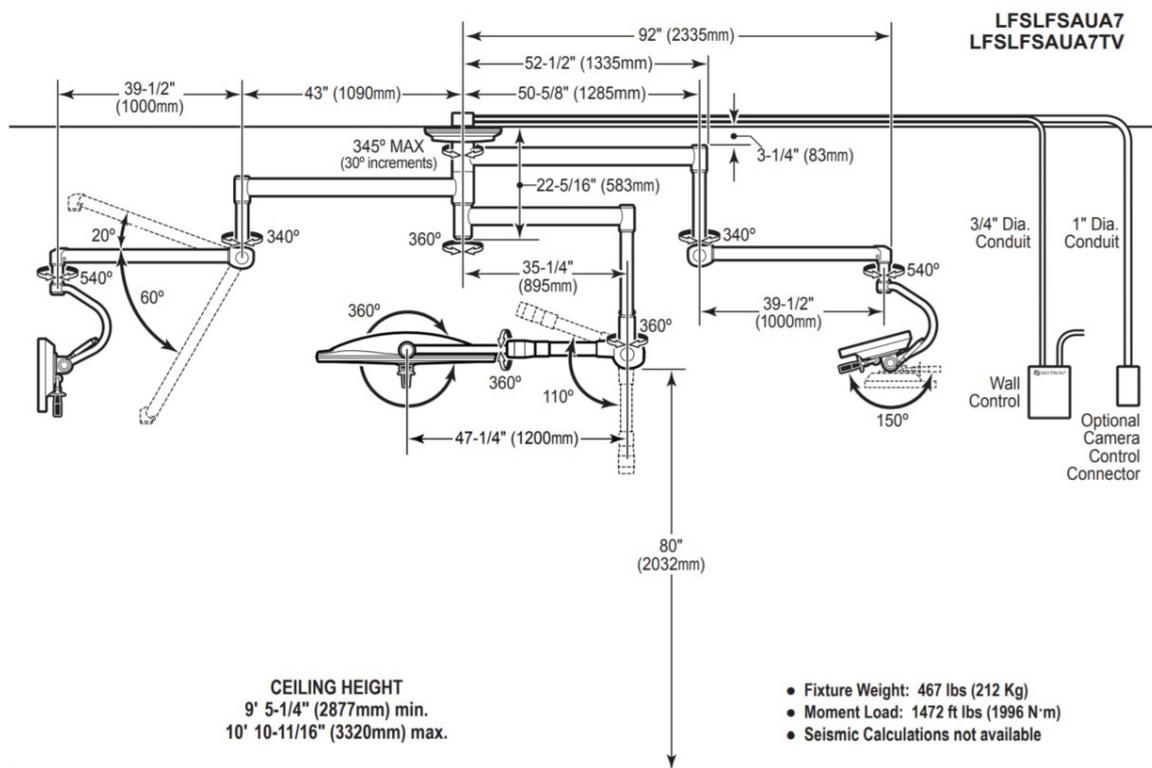
Standard lighthead is equipped with a sterilizable center handle that allows surgeon control of lighthead positioning, focus and intensity. A focus knob and positioning handles are provided on the side of the lighthead for non-sterile control.

The 30″ (762mm) lighthead contains 7 focusable LED pods. Each focusable pod contains 7 individual LEDs with VSRD reflector technology. Each lighthead also contains 12 fixed focus center mounted LEDs. Total system output is 160,000 lux at a color temperature of 4,100K. LED life expectancy is 40,000 hours.

SKYTRON Aurora Four series, model LFSLFSAUA7 or LFSLFSAUA7TV. Flat screen monitors provided separately.
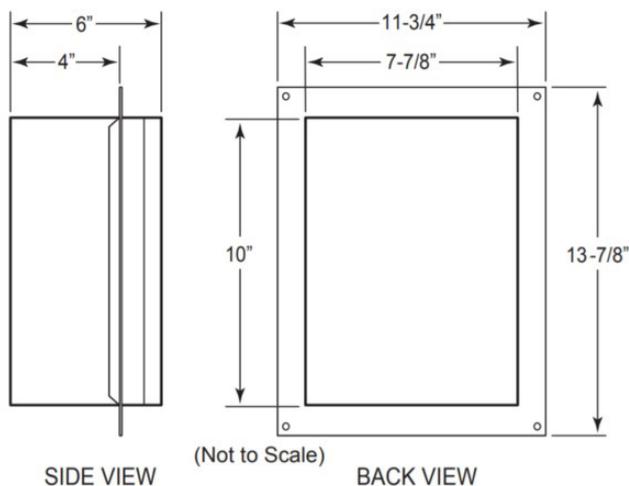
Product Elevation View

LFSLFSAUA7
LFSLFSAUA7TV

92" (2335mm)
52-1/2" (1335mm)
50-5/8" (1285mm)
39-1/2" (1000mm)
43" (1090mm)
345° MAX (30° increments)
3-1/4" (83mm)
22-5/16" (583mm)
3/4" Dia. Conduit
1" Dia. Conduit
20°
540°
340°
60°
360°
340°
540°
35-1/4" (895mm)
39-1/2" (1000mm)
360°
360°
360°
360°
110°
150°
Wall Control
Optional Camera Control Connector
47-1/4" (1200mm)
80" (2032mm)

CEILING HEIGHT
9' 5-1/4" (2877mm) min.
10' 10-11/16" (3320mm) max.

- Fixture Weight: 467 lbs (212 Kg)
- Moment Load: 1472 ft lbs (1996 N·m)
- Seismic Calculations not available

Mounting

Refer to Installation Instructions for specific mounting structure guidelines, wiring and wall control details.

Wall Control
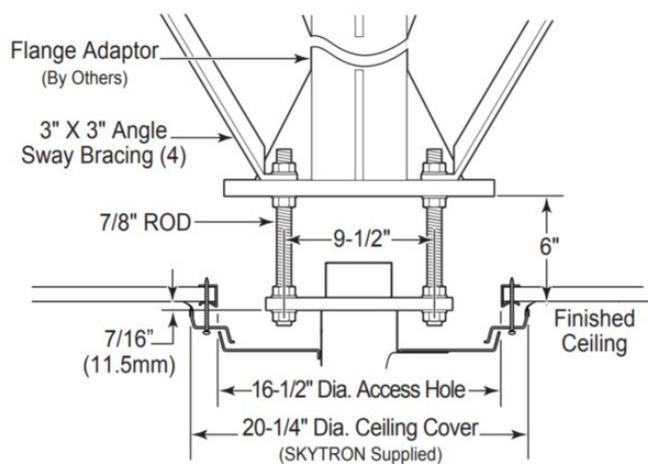– Required, Priced Separately –

6"
4"
11-3/4"
7-7/8"
10"
13-7/8"
(Not to Scale)
SIDE VIEW
BACK VIEW

Typical Mounting Structure
– Provided by Others –

Flange Adaptor (By Others)
3" X 3" Angle Sway Bracing (4)
7/8" ROD
9-1/2"
6"
7/16" (11.5mm)
Finished Ceiling
16-1/2" Dia. Access Hole
20-1/4" Dia. Ceiling Cover (SKYTRON Supplied)