Triple, Variable-Focus 24" LED Surgical Light Fixture Aurora Four

LFSAUA555, LFSAUA55TV5, LFSAUA555TV

Model LFSAUA555

Technical Data

Fixture Weight: 58 kg

Moment Load: 1911 N·m

Minimum Ceiling Height: 2999mm

Maximum Ceiling Height: 3346mm

Electrical: 100-240 VAC, 212-310VA, 50/60 Hz, 1 phase

Max Intensity at 1 meter (lux): @4100K = 480,000

@4500K = 421,500

Central Illuminance at 1 meter (lux): @4100K = 160,000

@4500K = 140,500

CRI: @4100K = 95 @4500K = 96

Color Temperature: @4100K @4500K

Total Irradiance (watts/m²): @4100K = 532.3

@4500K = 475.9

R9: @4100K = 91 @4500K = 95

Architectural Specification

The Aurora Four surgical lighting system consists of a ceiling mounted radial arm system with a Flat Screen monitor mount and three 24″ (610mm) diameter lightheads. Flat Screen monitor mount arm provides 340° rotation at the ceiling mount with adjustable stops. Monitor mount provides 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 lightheads are 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.
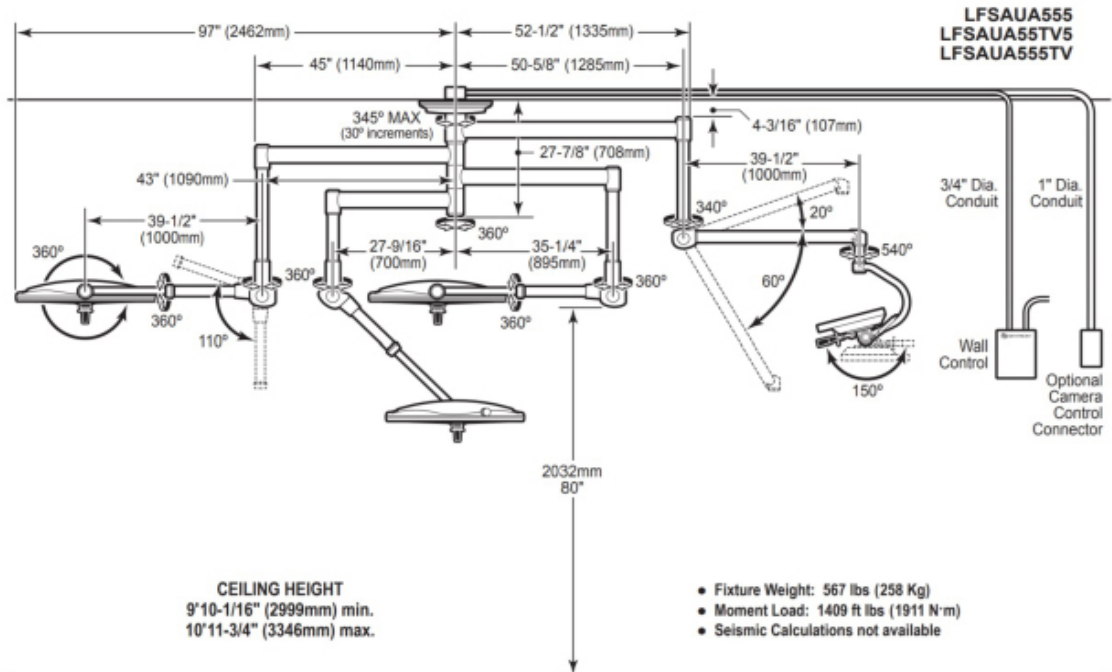
Each 24″ (610mm) lighthead contains 5 focusable LED pods. Each focusable pod contains 7 individual LEDs with VSRD reflector technology. Each lighthead also contains 12 fixed focus center mounted LEDs. Total system output is 480,000 lux at a color temperature of 4,100K. LED life expectancy is 40,000 hours.

SKYTRON Aurora Four series, model LFSAUA555, LFSAUA55TV5 or LFSAUA555TV. Flat Screen monitors provided separately.
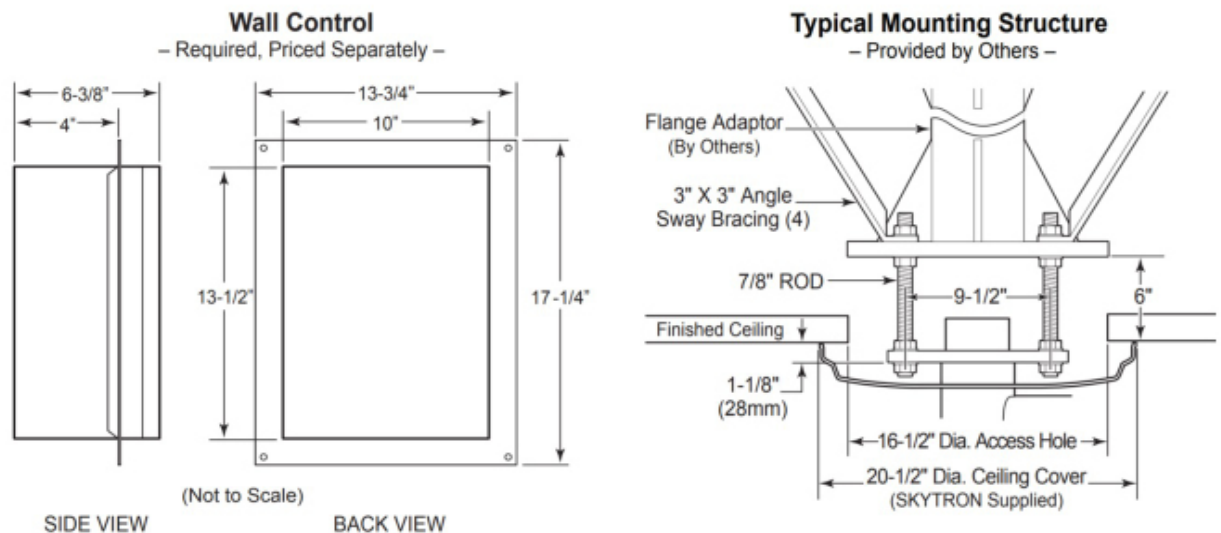
Product Elevation View

LFSAUA555
LFSAUA55TV5
LFSAUA555TV

97" (2462mm)
52-1/2" (1335mm)
45" (1140mm)
50-5/8" (1285mm)
4-3/16" (107mm)
345° MAX (30° increments)
27-7/8" (708mm)
43" (1090mm)
39-1/2" (1000mm)
3/4" Dia. Conduit
1" Dia. Conduit
39-1/2" (1000mm)
340°
20°
360°
360°
27-9/16" (700mm)
35-1/4" (895mm)
540°
360°
360°
60°
360°
110°
360°
150°
Wall Control
Optional Camera Control Connector

2032mm
80"

CEILING HEIGHT
9'10-1/16" (2999mm) min.
10'11-3/4" (3346mm) max.

- Fixture Weight: 567 lbs (258 Kg)
- Moment Load: 1409 ft lbs (1911 N·m)
- Seismic Calculations not available

Mounting

Wall Control
– Required, Priced Separately –

6-3/8"
4"
13-3/4"
10"
13-1/2"
17-1/4"

(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"
Finished Ceiling
1-1/8" (28mm)
16-1/2" Dia. Access Hole
20-1/2" Dia. Ceiling Cover (SKYTRON Supplied)

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