Technical Data

Fixture Weight: 116 kg

Moment Load: 1463 N'm

Minimum Ceiling Height: 2676mm

Maximum Ceiling Height: 3131mm

Electrical: 100-240VAC, 148-240VA, 50/60 Hz, 1 phase

Max Intensity at 1 meter (lux):   @4100K = 320,000

@4500K = 286,500

Central Illuminance at 1 meter (lux):
    AUA5 @4100K = 160,000   @4500K = 140,500
    AUA7 @4100K = 160,000   @4500K = 146,000

CRI: AUA5 @4100K = 95   @4500K = 96
    AUA7 @4100K = 95   @4500K = 95

Color Temperature: @4100K @4500K

Total Irradiance (watts/m^2):
    AUA5 @4100K = 532.3   @4500K = 475.9
    AUA7 @4100K = 523.6   @4500K = 483.7

R9:   AUA5 @4100K = 91   @4500K = 95
    AUA7 @4100K = 89   @4500K = 97

Model AUA75

Architectural Specification

The Aurora Four surgical lighting system consists of a ceiling mounted dual radial arm system with a 30″ (762mm) diameter lighthead and a 24″ (610mm) diameter lighthead. Continuous 360° rotation is provided at all fixture rotation points.

Standard lightheads are equipped with a sterilisable centre 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.
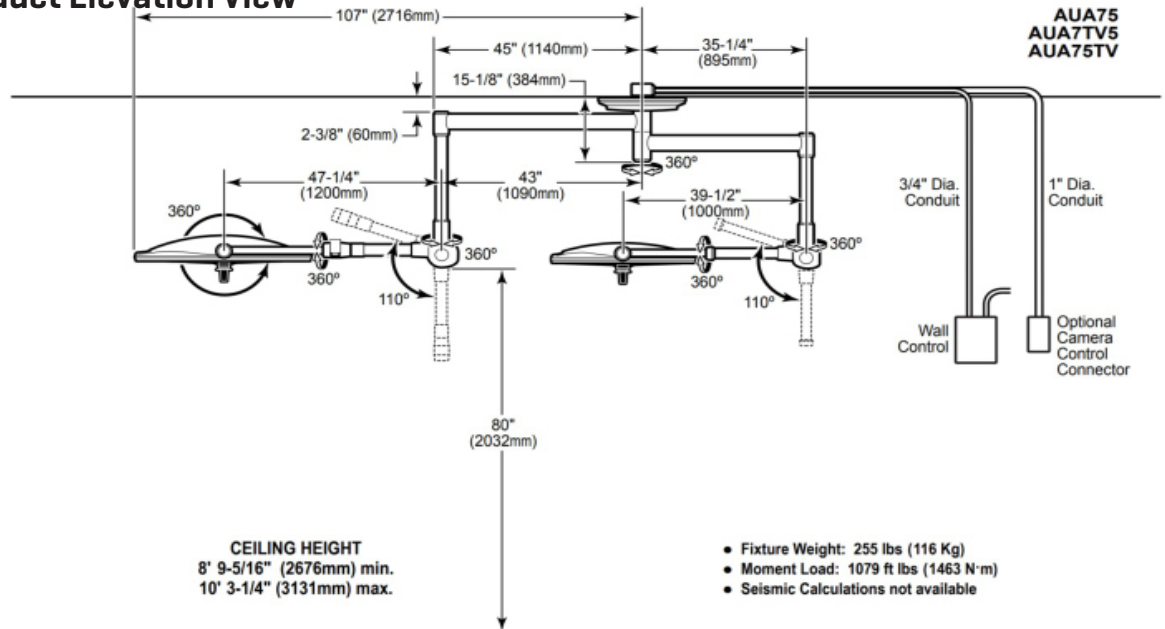
The 30″ (762mm) diameter lighthead contains 7 focusable LED pods and the 24″ (610mm) lighthead contains 5 focusable LED pods. Each focusable pod contains 7 individual LEDs with VSRD reflector technology. Each lighthead also contains 12 fixed focus centre mounted LEDs. Total system output is 320,000 lux at a colour temperature of 4,100K. LED life expectancy is 40,000 hours.

SKYTRON Aurora Four series, model AUA75, AUA7TV5 or AUA75TV.

Product Elevation View

107" (2716mm)
45" (1140mm)
35-1/4" (895mm)
15-1/8" (384mm)
2-3/8" (60mm)
47-1/4" (1200mm)
43" (1090mm)
39-1/2" (1000mm)
360°
360°
360°
360°
360°
360°
360°
110°
110°
80" (2032mm)

AUA75
AUA7TV5
AUA75TV

3/4" Dia. Conduit
1" Dia. Conduit
Wall Control
Optional Camera Control Connector

CEILING HEIGHT
8' 9-5/16" (2676mm) min.
10' 3-1/4" (3131mm) max.

- Fixture Weight: 255 lbs (116 Kg)
- Moment Load: 1079 ft lbs (1463 N·m)
- Seismic Calculations not available

Mounting

Wall Control
– Required, Priced Separately –

6"
4"
11-3/4"
7-7/8"
10"
13-7/8"

(Not to Scale)

SIDE VIEW   BACK VIEW
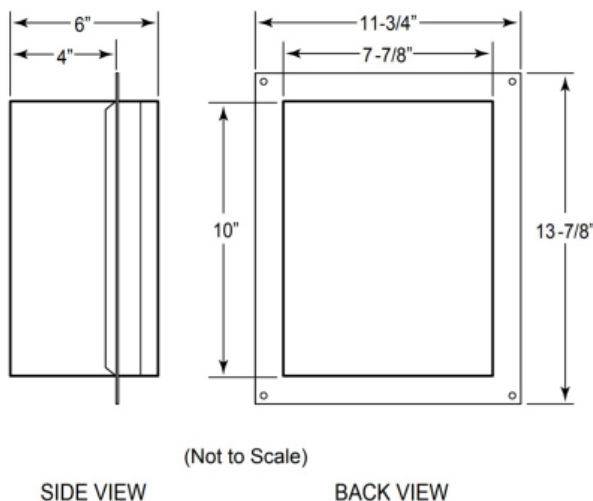
Typical Mounting Structure
– Provided by Others –

Structural Ceiling
45°
45°
(4) 2" x 2" Angle Sway Bracing
12" x 12" x 3/8" Stiffener Plate
3/4" All Thread Rod
3/4" Metal Flex Conduit
6" Max/4" Min
Finished Ceiling
Fixture Junction Box
2-1/8"
1-1/16"
15" dia. Mounting Plate (SKYTRON Supplied)
16-1/2" dia. Access Hole
20-1/2" dia. Ceiling Cover (SKYTRON Supplied)
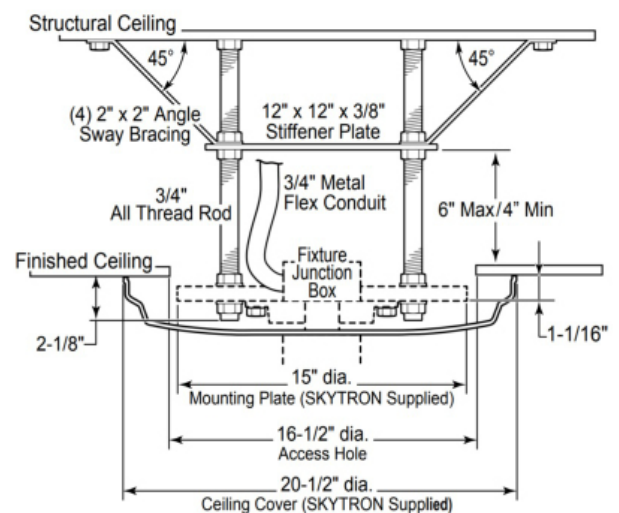
Refer to Installation Instructions for specific mounting structure guidelines, wiring and wall control installation details.