



Smart Film Controller Sizing Guide

Safe Sizing Rule (Vantis Standard)

Controllers should be loaded to no more than 75–80% of rated capacity. Avoid sizing to manufacturer maximums. If a system approaches 85–90% capacity, move up one controller size.

Recommended Controller Sizing (Safe Load)

H15: up to 16 sq ft

H30: up to 34 sq ft

H50: up to 50 sq ft

H100: up to 100 sq ft

200W: up to 200–240 sq ft

300W: up to 300–350 sq ft

Electrical Specifications

Operating Voltage: 48–65V AC

Do NOT exceed voltage range. Voltage stability is critical to film lifespan.

Why This Matters

Proper sizing prevents voltage instability, overheating, and inconsistent switching. Oversized zones or overloaded systems can lead to flickering, uneven clarity, and long-term degradation.

Best Practices

- Do not size to maximum capacity
- Keep zones manageable
- Use approved transformers
- Maintain clean wiring
- When in doubt, move up one size