

## Specifying ElectroShades:

By David Shannon (2012)

One of the best things about MechoShades and ElectroShades is that they are only there when you need them, only to the extent that you need them and, even when fully down, are beautiful. Solar shades can be fully transparent and offer protection even on south and west elevations.

- ✓ Determine how you want to mount your shades. Generally you have four choices: (i) flush mounted in a pocket in the ceiling (ii) ceiling mounted on soffit (iii) within mullion (iv) wall mounted above window.
- ✓ Give Shannon your worst case [width] x [height] and we can determine the rolled up diameter (RUD) for you. Then we can determine how much space you need to mount your shades. Generally: [space needed] = [RUD] + 1".
- ✓ Pockets (shade housings) are available in various sizes - an accoutrement. You do not have to use a pocket. However, pockets are usually less expensive than the fussy drywall framing needed otherwise.
- ✓ The WhisperShade IQ2 motor is located within the tube. This powerful, quiet and intelligent motor can be located at either end of the tube / shade.
- ✓ One junction box can supply line voltage power to several WhisperShade IQ2 motors. The rest of the system is low voltage. WhisperShade IQ motors are then wired via low voltage CAT5 wire to switches or control. Wiring diagrams are available for your EE.
- ✓ One ElectroShade should be no wider than approximately 20' – to keep tube reasonable in diameter. If you need to break shades, determine a natural vertical mullion spacing that works for your design.
- ✓ WhisperShade IQ2 motors can drive up to 4 shadebands and / or 35' of shades – whichever comes first.
- ✓ Put the following in your spec: "Wherever possible, slave shadebands together to minimize motors." This will save you a lot of money on your project. Specification is available on our website or we can send it to you.
- ✓ Ask your client how they want to use their shades. We can make them work together in whatever grouping you like – per elevation, per room, per floor, per building.
- ✓ Specify "WhisperShade IQ2 motors by MechoSystems." This system is capable of any level of control. You can have local switches and master switches. You can control the intelligent WhisperShade IQ2 motors to work together any way you want - with low voltage wiring. There is no

longer a need for separate, bulky motor controllers – the intelligent control is built in to the motor.

- ✓ See the Shannon technical library for wiring diagrams to give to your EE.
- ✓ Shades can go fully up, fully down and three intermediate positions in between at the push of a button on a simple three button switch.
- ✓ ElectroShades with WhisperShade IQ2 motors can be integrated with virtually any A/V system or dimming system – including MechoLux.
- ✓ Shannon has CAD or PDF details for most conditions you encounter.
- ✓ In order to maximize daylight harvesting, think of ElectroShades as part of the exterior wall system. Shades stop at the incident angle of the sun on the window – allowing the maximum level of daylight into the space while insuring comfort - protecting from radiant heat, heat gain and glare. Interior lighting or dimming systems should then respond to the resulting, proper amount of daylight.
- ✓ Any number of lighting / dimming systems, including MechoLux, are capable of measuring light levels and responding accordingly. Shades are linked to the lighting system via daylight and daylight alone. No physical connection is necessary or desirable.
- ✓ Fully automated solar tracking and shading systems called SolarTrac and SunDialer are available. Let us show you how we can maximize daylight harvesting and visibility - while minimizing heat gain, radiant heat and glare.