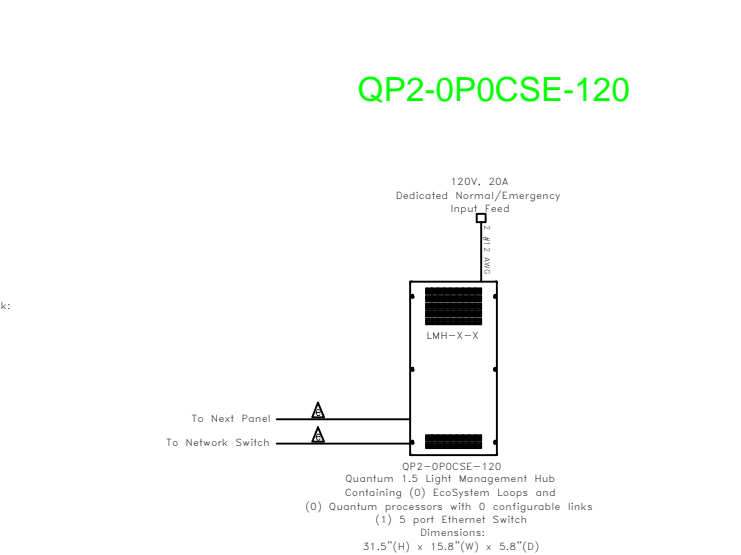
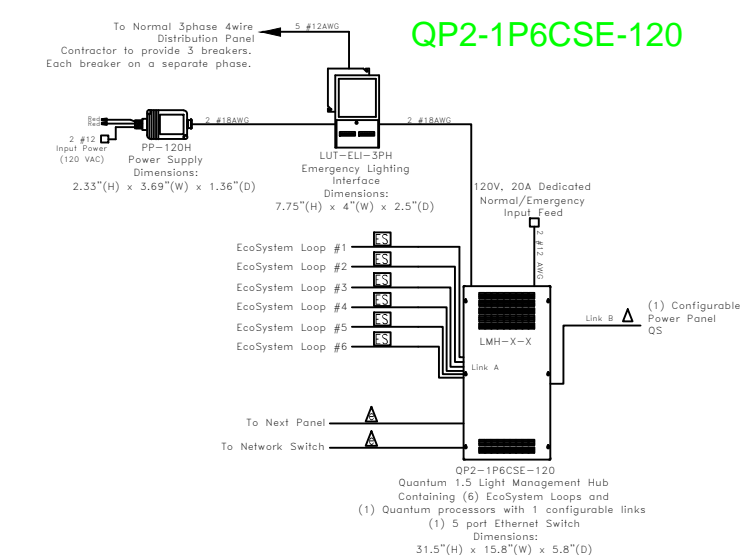
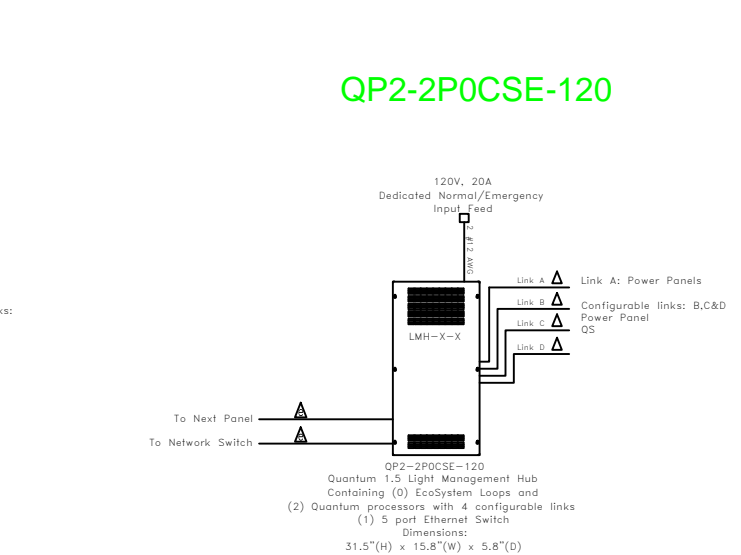
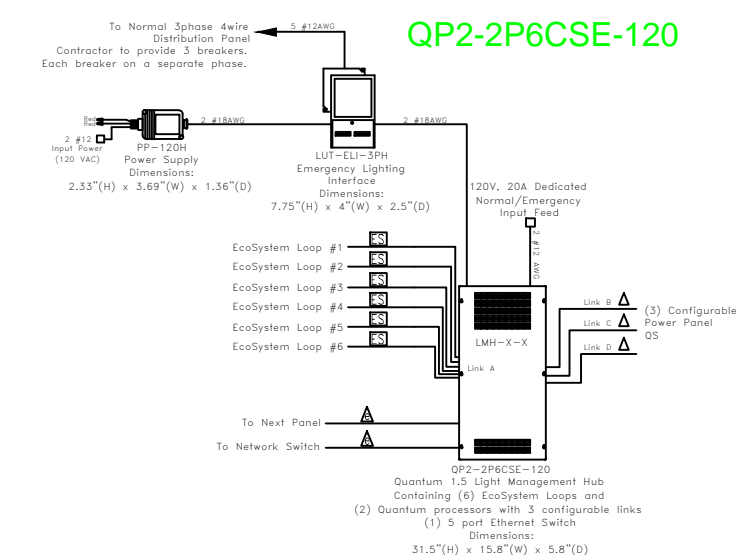
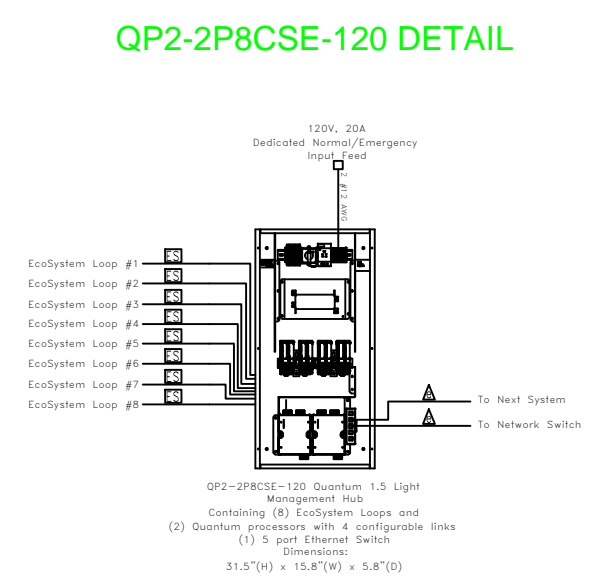
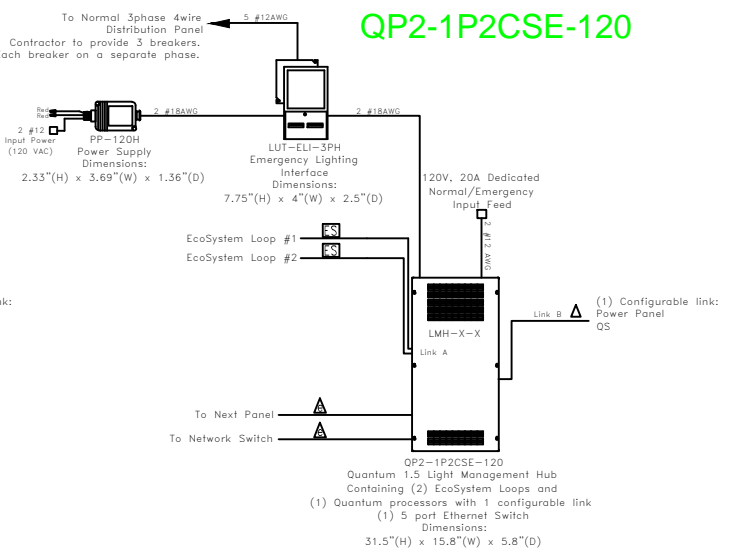
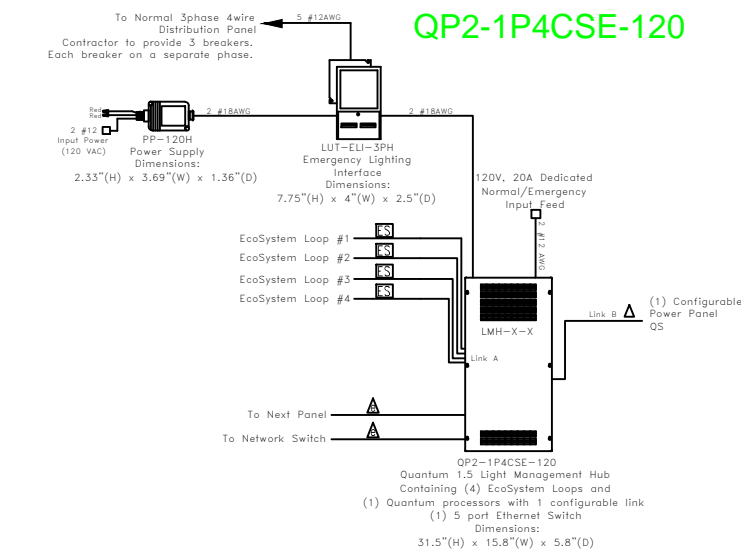
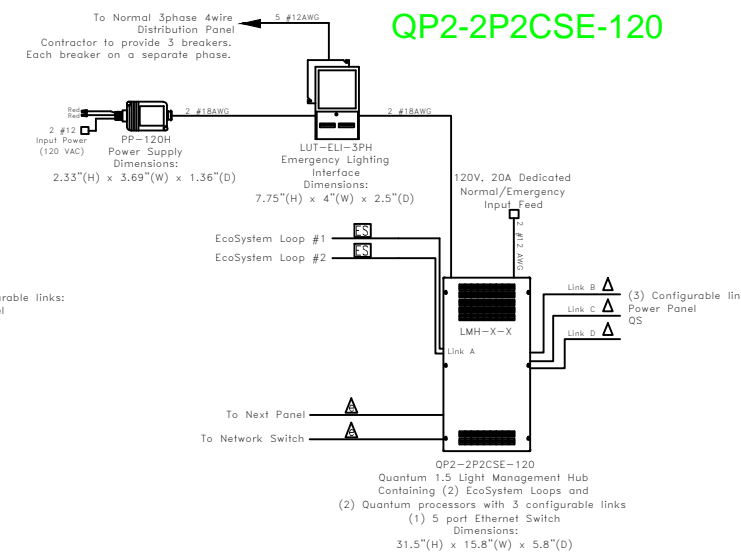
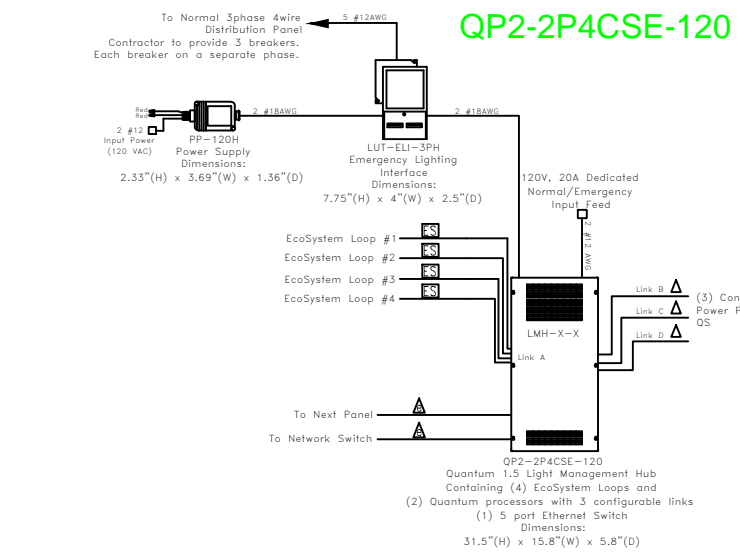


QUANTUM 1.5.slb

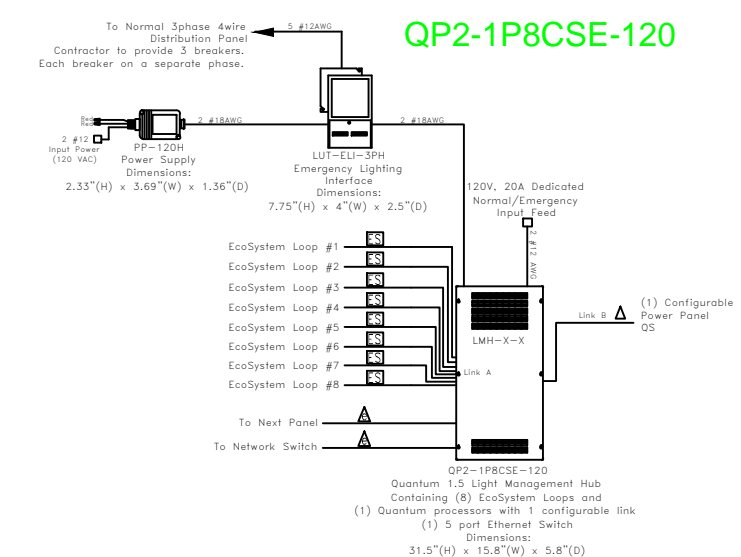
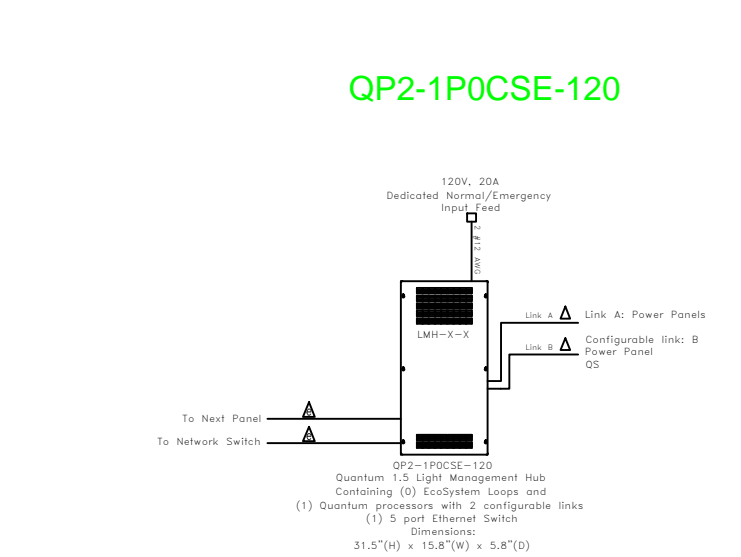
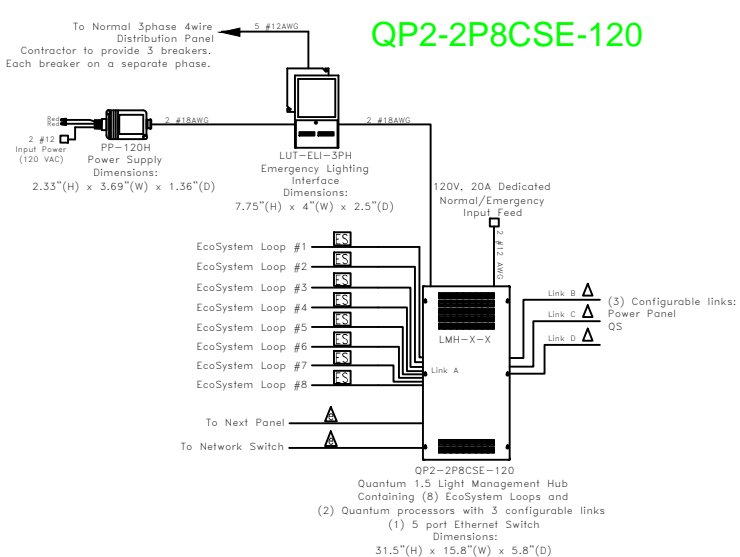


WIRING NOTES

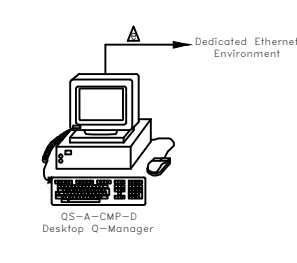
- WIRING NOTES:**
- ▲ Lutron cable QW-CL-46 (3 Conductor Non-Potential) or 2 #12 AWG (2.0mm²), 1 Braid #64E) and between panels use 1 #18 AWG (1.0mm²) for emergency wiring.
 - 2 #12AWG (2.0 mm²)
 - 3 #12AWG (2.0 mm²)
 - EcoSystem Bus Lutron cable C-CL-316-DR-1 (2 #16 Conductor Non-Potential) or C-PCBE-216-CL-1 (2 #16 Conductor Potential).
 - ▲ CAT5e or better cable for dedicated Lutron network terminated with RJ45 connectors (to be provided by others). 328 feet (100m) maximum run.
 - ▲ Fiber Optic Cable for dedicated Lutron network terminated with appropriate Fiber Optic Connectors (to be provided by others). Requires Dedicated Fiber Optic Link (single-mode or multi-mode).

NOTE SENSOR PLACEMENT

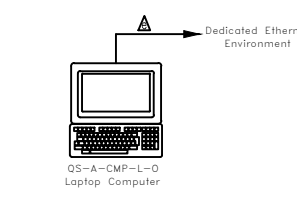
****IMPORTANT NOTE REGARDING SENSOR PLACEMENT****
THE OCCUPANCY SENSORS & DAYLIGHT SENSORS ON THIS ECOSYSTEM LAYOUT WERE NOT PLACED BY LUTRON. THIS ECOSYSTEM LAYOUT ONLY SHOWS THE CONNECTION OF THE SENSORS TO THE APPROPRIATE ECOSYSTEM COMPONENT. THE ACTUAL LOCATION OF THE SENSORS SHOULD DETERMINED BY FOLLOWING THE LUTRON SPECIFICATION SHEETS AND THE INSTALLATION INSTRUCTIONS.



QS-A-CMP-D



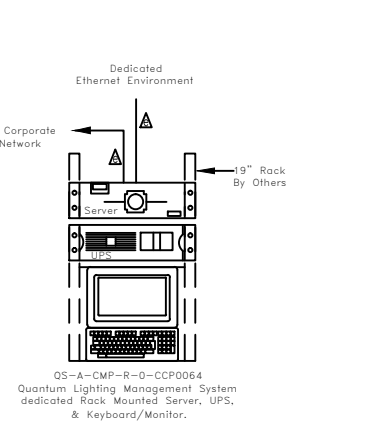
QS-A-CMP-L-0



QS Link Controls

- QS LINK CONTROLS**
- DS** Lutron Part: LOS-C01-XXXX-WH: Dual Technology Calling Mount Sensor. Provides power from a power pack and wire signal to a QS-IO unit.
 - DS** Lutron Part: LOS-C01-2008-WH: Dual Technology Calling Mount Sensor. Provides power from a power pack and wire signal to a QS-IO unit.
 - PP** Lutron Part: PP-120H or PP-277H: Power Pack. Provides power to Lutron occupancy sensors in the switching areas. Located in Electrical Closets.
 - IO** Lutron Part: OSE-IO: Provides 5 contact inputs to receive signals from occupancy sensors, daylight sensors, etc. in the switching areas.
 - PS** Lutron Part: OSW2-2B-WH: OS wall control with 2-Buttons for ON / OFF. Wallstation recalls lighting presets for any group of lights in the system.
 - PS** Lutron Part: OSW2-2B-WH: OS wall control with 2-Buttons, color and lever for control of 4 scenes plus OFF. Wallstation recalls lighting presets for any group of lights in the system.
 - PS** Lutron Part: OSW2-2B-WH: OS wall control with 2-Buttons, for control of 8 scenes plus OFF. Wallstation recalls lighting presets for any group of lights in the system.
 - PS** Lutron Part: OSW2-2B-WH: OS wall control with 2-Buttons, for control of 8 scenes plus OFF. Wallstation recalls lighting presets for any group of lights in the system.
 - PS** Lutron Part: OSE-CI-NBK-E: OS interface to communicate via TCP/IP or RS232 with AV systems.

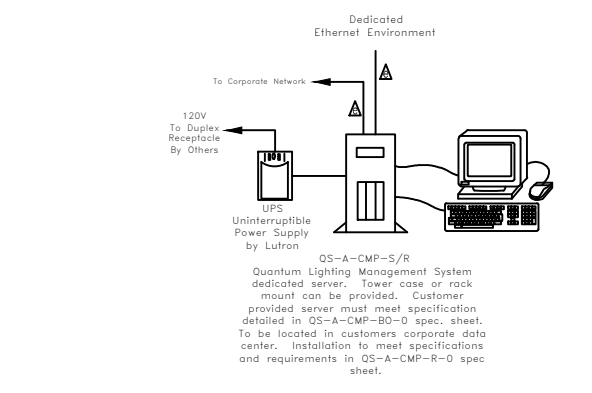
QS-A-CMP-R-0-CCP0064



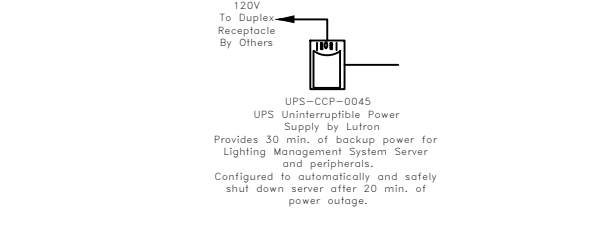
NOTE-EMERGENCY FUNCTION

EMERGENCY FUNCTION
When normal power loss is detected by the LUI-EUI-3PH, a signal will be sent to the Quantum bus supply located in the Light Management Hub. All EcoSystem ballasts that have emergency power will go to their emergency state.

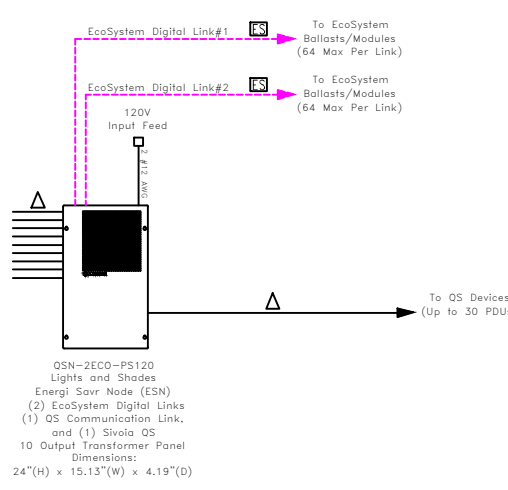
QS-A-CMP-S/R SERVERS



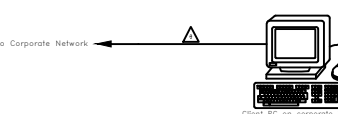
UPS - POWER SUPPLY



QSN-2ECO-PS120



USER INTERFACE



NOTE-QUANTUM NETWORK

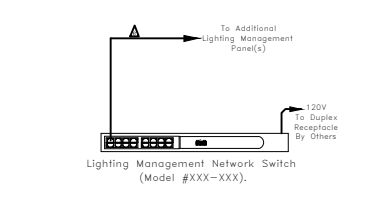
When a Lighting Management Network (LMN) is required to enable communications between Individual Light Management Hubs (LMH) and between LMH and the system server/desktop/laptop (Q-Manager). The LMN requires a dedicated LAN or VLAN. It is the responsibility of the Network Provider to ensure the reliability and security of the LMN.

Cable or better Ethernet cable to be run for dedicated LMN terminated with RJ45 connectors (provided by others). The number of Ethernet hops/segments between the server/desktop/laptop (Q-Manager) and any LMN node shall not exceed 6. Total length of Ethernet cable shall not exceed 328 ft (100m) point-to-point.

If longer runs are required, multi-mode fiber optic cable can be used instead with appropriate fiber optic connectors (provided by others). Consult with Network Provider for standard Ethernet and Fiber Optic wiring codes for distance and separation as well as for placement of switches, routers, hubs, etc.

For more information regarding network equipment requirements and network configuration, please refer to the Quantum Lighting Management Network specification sheet or contact Lutron.

Ltg Mgmt Network Switch



Green Client PC and Display

