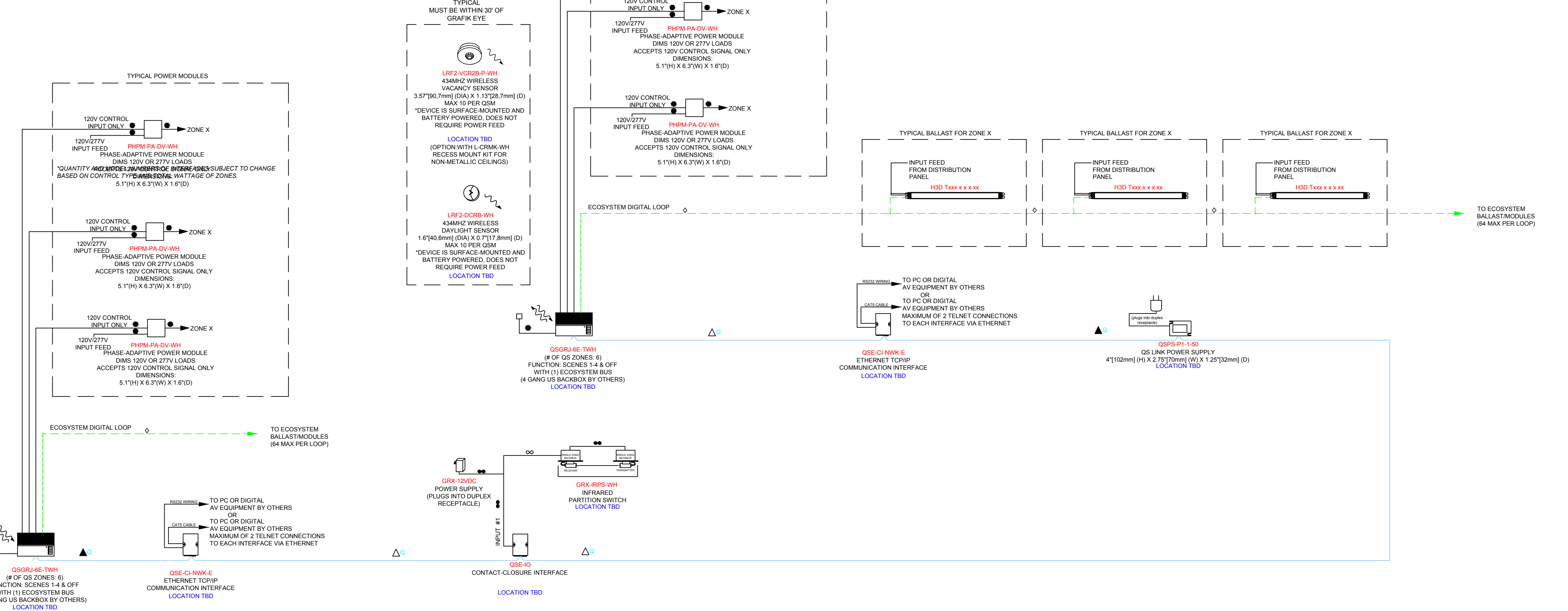


TYPICAL GRAFIK EYE WIRELESS WITH ECOSYSTEM AND PARTITIONING

*FOR WIRED SENSOR OPTIONS, CONTACT YOUR LUTRON SALES REPRESENTATIVE.



WIRING LEGEND:

- ▲ QS CONTROL LINK (SEE WIRE DESCRIPTION BELOW)
- ▲ QS CONTROL LINK (SEE WIRE DESCRIPTION BELOW) (CONNECT WIRES 1, 3 AND 4. DO NOT CONNECT WIRE #2)
- QS WIRING AS REQUIRED BY CONTROL LINK LENGTH (REFER TO QS SMART PANEL POWER SUPPLY WIRING GUIDE FOR SHADE WIRING NOTES)
- INPUT POWER
- #12AWG
- #12AWG
- ◇ ECOSYSTEM BUS
- ◇ LUTRON CABLE C-CBL-216-GR-1 (2 #16 CONDUCTOR NON-PLUMB) OR C-CBL-216-CL-1 (2 #16 CONDUCTOR PLUMB RATED). OTHERWISE USE 2 #16 AWG BY OTHERS.
- ◇ 0-10V SIGNAL 2 #18AWG (1.0 mm)
- ◇ 1-WAY RF COMMUNICATION
- ◇ 2-WAY RF COMMUNICATION

QS SMART PANEL POWER SUPPLY (QSPPS-PX-10-40) SHADE WIRING GUIDE	
MAXIMUM DEVICES PER ONE OUTPUT	MAXIMUM DISTANCE PER ONE OUTPUT (BASED ON WIRE GAUGE)
SHADES + CONTROLS	15 AWG (1.6 mm) ¹ 18 AWG (1.5 mm) ¹ 18 AWG (1.5 mm) ²
UP TO 1 POWER DRAW UNIT	QSH-CBL-L-500 QSH-CBL-M-500 QSH-CBL-P-500
1 5V0VA QS SHADE OR DIMMER	500 ft (150 m) 200 ft (60 m) 125 ft (35 m)
2 5V0VA QS ROLLER (64") x 30" (2.75 m) EACH	UP TO 1
3 5V0VA QS ROLLER (64") x 20" (1.8 m) EACH	UP TO 1
4 5V0VA QS ROLLER (64") x 15" (1.2 m) EACH	UP TO 1
5 5V0VA QS ROLLER (64") x 10" (0.8 m) EACH	UP TO 1
QS INDIVIDUAL POWER SUPPLY (QSPPS-PX-1-50 OR QSPPS-1-150) SHADE WIRING GUIDE	
MAXIMUM DEVICES PER ONE OUTPUT	MAXIMUM DISTANCE PER ONE OUTPUT (BASED ON WIRE GAUGE)
SHADES + CONTROLS	12 AWG (4 mm) ¹ 16 AWG (1.5 mm) ¹ 18 AWG (1.5 mm) ²
UP TO 1 POWER DRAW UNIT	QSH-CBL-L-100 QSH-CBL-M-100 QSH-CBL-P-100
1 5V0VA QS SHADE OR DIMMER	250 ft (75 m) 100 ft (30 m) 50 ft (15 m)

WIRING NOTES:

- QS LINK RULES: THE FOLLOWING LINK RULES MUST BE OBSERVED FOR PROPER OPERATION:
 - THIS IS A TOPOLOGY-FREE LINK (T-TAP, HOME-RUN, ETC. IS OK). REFER TO TABLE BELOW FOR WIRE RUN LIMITS.
 - IF WIRED DIFFERENTLY THAN WHAT IS SHOWN, POWER DRAW UNIT REQUIREMENTS NEED TO BE CONFIRMED. SEE POWER DRAW UNITS (PDU) SPECIFICATION SHEET INCLUDED IN THIS SUBMITTAL.
 - MAXIMUM OF 512 OUTPUTS (BALLASTS, SHADES, CONTACT CLOSURES, ETC.).
 - MAXIMUM OF 100 OCCUPANCY SENSORS, 100 DAYLIGHT SENSORS/SHADE SENSORS AND 100 KEYPADS.
 - MAXIMUM OF 100 QS DEVICES (SUCH AS A GRAFIK EYE QS KEYPAD, SMART PANEL POWER SUPPLY (QSPPS-PX-10-40, ESN, OR SHINGO QS SHADE / DRAPERY DRIVE UNIT), QUANTUM PROCESSOR COUNTS AS 1 DEVICE PER LINK).
 - MAXIMUM OF 100 ZONES (SUCH AS A 5V0VA QS SHADE / DRAPERY DRIVE UNIT, OR A LIGHTING ZONE ON A GRAFIK EYE QS (DOES NOT APPLY TO QUANTUM SYSTEMS)).
 - THE 10 OUTPUTS ON A QSPPS-PX-10-40 CANNOT EXCEED A COMBINED LENGTH OF 2,000 ft (600 m).
- ECOSYSTEM BUS/LOOP RULES: THE FOLLOWING LOOP RULES MUST BE OBSERVED FOR PROPER OPERATION:
 - THIS IS TOPOLOGY-FREE AND POLARITY FREE WIRING (T-TAP, HOME-RUN, ETC. IS OK).
 - KEEP ALL THE BALLAST/MODULES IN ONE ROOM ON THE SAME LOOP WHENEVER POSSIBLE.
 - WIRE DAYLIGHT SENSORS, OCCUPANCY SENSORS AND PERSONAL CONTROLS TO THE CLOSEST ECOSYSTEM BALLAST/SENSOR MODULE IN THE SAME ROOM.
 - ECOSYSTEM LOOPS ARE SHOWN ON THE LIGHTING PLANS. IF THERE IS A DISCREPANCY, AND ROOMS ARE WIRED TO A DIFFERENT LOOP THAN THE ONE SHOWN, LUTRON NEEDS TO BE NOTIFIED. THIS INFORMATION IS IMPORTANT FOR PROGRAMMING THE SYSTEM.
 - UP TO 64 BALLAST/MODULES PER ECOSYSTEM LOOP
 - UP TO 64 RC CONTROLS PER LOOP
 - UP TO 16 DAYLIGHT SENSORS PER LOOP
 - UP TO 32 OCCUPANT SENSORS PER LOOP

LED dimming requires an exact match between the LED array, driver and control. Lutron cannot guarantee compatibility or performance without testing this combination.

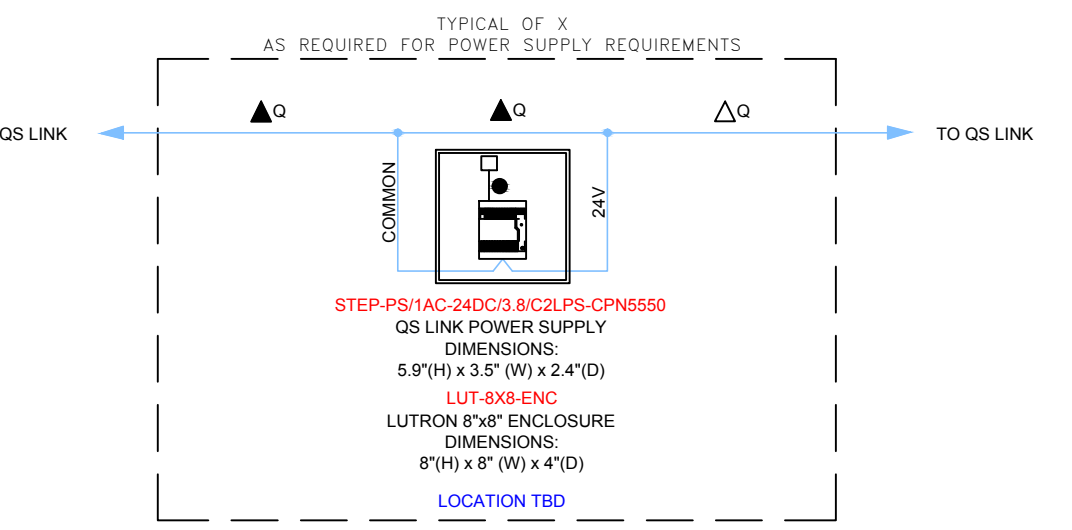
To confirm what products Lutron has available or what interfaces may be required, call 1-877-DM-LEDS or check Lutron's Product Compatibility Matrix on-line at www.lutron.com/LED.

To request the testing of an LED product by Lutron manufacturers can fill out an LED Evaluation Request Form on-line at www.lutron.com/LED or contact LEDs@lutron.com.

Lutron can guarantee compatibility and performance of Lutron Hi-Lume A-Series LED Drivers used with appropriate Lutron controls. The Hi-Lume A-Series LED Driver can be used on products under 40 Watts with suitable mounting locations. Please refer to the Specification Submittal Sheet for further information.

If using untested, non-Lutron LED drivers requiring 0-10V control, performance and compatibility cannot be guaranteed by Lutron. Products following the IEC Standard 60929 are more likely to provide acceptable performance results. Determination of result acceptability is up to the user's discretion.

If using untested, non-Lutron LED drivers requiring phase control, performance and compatibility cannot be guaranteed by Lutron. A-Series or ELV products providing high end and low end trim adjustments are more likely to provide acceptable performance results. Determination of result acceptability is up to the user's discretion.



TYPICAL GRAFIK EYE WIRELESS WITH ECOSYSTEM AND PARTITIONING

CONCEPT DRAWING

NOT FOR CONSTRUCTION

Project Number:	####
Drawn By:	XXX
Drawing Revision:	0
Drawing Date:	06.26.12
Sheet:	1 OF 1



Concept Drawing Notes:
Control system drawing is provided for conceptual purposes only and is not intended for construction. Exact equipment requirements, including locations and quantities, should be verified in accordance with the most up-to-date lighting/electrical reflected ceiling plans, lighting fixture schedules, panel schedules, control intent and specifications. Shade equipment should be verified in accordance with architectural plans, specifications and window schedules/details.