



WIRING LEGEND:

QS SMART PANEL POWER SUPPLY (QSPSY-10PNL) SHADE WIRING GUIDE

SHADES	CONTROLS	MAXIMUM DISTANCE PER ONE OUTPUT BASED ON WIRE GAUGE		
		12 AWG (4 mm ²) QSH-CBL-L-000 QSH-CBL-P-L-000	16 AWG (1.5 mm ²) QSH-CBL-A-000 QSH-CBL-P-A-000	18 AWG (1.0 mm ²) GRX-CBL-3455-500
1 SIVOIA QS SHADE OR DRAPERY DRIVE UNIT		500 ft (150 m)	200 ft (60 m)	125 ft (35 m)
2 SIVOIA QS ROLLER 64 ± 20" (5.1 m) EACH	UP TO 1 POWER DRAW UNIT			
3 SIVOIA QS ROLLER 64 ± 20" (5.1 m) EACH		200 ft (60 m)	75 ft (20 m)	50 ft (15 m)
2 SIVOIA QS ROLLER 100 ± 50" (6.1 m) EACH				

QS INDIVIDUAL POWER SUPPLY (QSPS-PX-1-35V OR QSPS-J-1-50) SHADE WIRING GUIDE

SHADES	CONTROLS	MAXIMUM DISTANCE PER ONE OUTPUT BASED ON WIRE GAUGE		
		12 AWG (4.0 mm ²) QSH-CBL-L-000 QSH-CBL-P-L-000	16 AWG (1.5 mm ²) QSH-CBL-A-000 QSH-CBL-P-A-000	18 AWG (1.0 mm ²) GRX-CBL-3455-500
1 SIVOIA QS SHADE OR DRAPERY DRIVE UNIT	UP TO 1 POWER DRAW UNIT	250 ft (75 m)	100 ft (30 m)	50 ft (15 m)

- INPUT POWER (NORMAL)
- 2 #12AWG (4 mm²)
- 3 #12AWG (4 mm²)
- 0-10V SIGNAL: 2 #18AWG (1.0 mm²)
- 2 #18AWG (1.0 mm²)
- CAT5E OR BETTER CABLE FOR LUTRON NETWORK TERMINATED WITH RJ45 CONNECTORS (TO BE PROVIDED BY OTHERS). 328 FT (100 m) MAXIMUM RUN.
- POWER OVER ETHERNET (POE) ETHERNET LINK, CAT5E OR BETTER CABLE FOR LUTRON NETWORK TERMINATED WITH RJ45 CONNECTORS. 328 FT (100 m) MAXIMUM RUN.
- 1-WAY CLEAR CONNECT - TYPE A WIRELESS SIGNAL
- 2-WAY CLEAR CONNECT - TYPE A WIRELESS SIGNAL
- 2-WAY CLEAR CONNECT - TYPE X WIRELESS SIGNAL
- 2-WAY CLEAR CONNECT - TYPE X WIRELESS SIGNAL

WIRING NOTES:

- RADIORA 3 RULES:**
THE FOLLOWING RULES MUST BE OBSERVED FOR PROPER OPERATION:
- MAXIMUM OF 1 RADIORA 3 PROCESSOR PER SYSTEM
 - MAXIMUM SUPPORTED ETHERNET CABLE LENGTH IS 328 FT (100 M)
 - CLEAR CONNECT - TYPE A WIRELESS COMMUNICATION LIMITATIONS
 - MAXIMUM OF 100 CLEAR CONNECT - TYPE A DEVICES PER PROCESSOR (INCLUDING REPEATERS)
 - MAXIMUM OF 4 AUXILIARY / WIRELESS REPEATERS (EXTENDS RANGE FOR ONLY CLEAR CONNECT - TYPE A DEVICES)
 - EACH CLEAR CONNECT - TYPE A DEVICE MUST BE WITHIN 30 FT (9 M) OF A REPEATER / PROCESSOR
 - REPEATERS MUST BE LOCATED NO MORE THAN 60 FT (18 M) FROM THE PROCESSOR OR OTHER REPEATERS
 - CLEAR CONNECT - TYPE X WIRELESS COMMUNICATION LIMITATIONS
 - MAXIMUM OF 100 CLEAR CONNECT - TYPE X DEVICES PER PROCESSOR
 - EACH CLEAR CONNECT - TYPE X DEVICE MUST BE WITHIN 75 FT (23 M) OF THE PROCESSOR (THROUGH CONSTRUCTION) AND 25 FT (7.6 M) OF TWO OTHER CLEAR CONNECT - TYPE X DEVICES
 - A MINIMUM OF 2 CLEAR CONNECT - TYPE X DEVICES MUST BE WITHIN 25 FT (7.6 M) OF THE PROCESSOR

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-DIMLED 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 LED@LUTRON.COM.

LUTRON CAN GUARANTEE COMPATIBILITY AND PERFORMANCE OF LUTRON H+LINE LED DRIVERS USED WITH APPROPRIATE LUTRON CONTROLS. 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. ELV 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. ELV PRODUCTS PROVIDING HIGH END AND LOW END TRIM ADJUSTMENTS OR LUTRON H+LINE 1% 2-WIRE DRIVERS ARE MORE LIKELY TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS. DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

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.

RADIORA 3 TYPICAL ONE-LINE DIAGRAM

CONCEPT DRAWING NOT FOR CONSTRUCTION