

WIRING LEGEND:

QS SMART P	ANEL POWER	SUPPLY (QSPSY-1	OPNL) SHADE WIF	RING GUIDE
MAXIMUM DEVICES PER ONE OUTPUT		MAXIMUM DISTANCE PER ONE OUTPUT BASED ON WIRE GAL		
SHADES +	CONTROLS	12 AWG (4 mm²) QSH-CBL-L-500 QSH-CBLP-L-500	16 AWG (1.5 mm²) QSH-CBL-M-500 QSH-CBLP-M-500	18 AWG (1.0 mm GRX-CBL-346S-5
1 SIVOIA QS SHADE OR DRAPERY DRIVE UNIT	UP TO 1 POWER DRAW UNIT	500 ft (150 m)	200 ft (60 m)	125 ft (35 m)
2 SIVOIA QS ROLLER 64, ≤ 30 ft² (2.75 m²) EACH		200 ft (60 m)	75 ft (20 m)	50 ft (15 m)
3 SIVOIA QS ROLLER 64, ≤ 20 ft² (1.8 m²) EACH				
2 SIVOIA QS ROLLER 100, ≤ 50 ft² (4.6 m²) EACH				
QS INDIVIDUAL PO	WER SUPPLY (QSPS-PX-1-35V OR	QSPS-J-1-50) SHAD	E WIRING GUII
MAXIMUM DEVICES PER ONE OUTPUT		MAXIMUM DISTANCE PER ONE OUTPUT BASED ON WIRE GAI		
SHADES +	CONTROLS	12 AWG (4,0 mm²) QSH-CBL-L-500 QSH-CBLP-L-500	16 AWG (1,5 mm²) QSH-CBL-M-500 QSH-CBLP-M-500	18 AWG (1,0 mm GRX-CBL-346S-5
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)
- 1-WAY CLEAR CONNECT TYPE A WIRELESS SIGNAL 2 #12AWG (4 mm²)
- 3 #12AWG (4 mm²) 0-10V SIGNAL: 2 #18AWG (1.0 mm²)
- √ 2-WAY CLEAR CONNECT TYPE A WIRELESS SIGNAL
- 2 #18AWG (1.0 mm²) E CAT5E OR BETTER CABLE FOR LUTRON NETWORK TERMINATED WITH RJ45

CONNECTORS (TO BE PROVIDED BY

OTHERS). 328 ft (100 m) MAXIMUM RUN.

- 2-WAY CLEAR CONNECT -TYPES A & X WIRELESS SIGNAL
- 2-WAY CLEAR CONNECT -E POWER OVER ETHERNET (POE) TYPE X WIRELESS SIGNAL ETHERNET LINK. CAT5E OR BETTER CABLE FOR LUTRON NETWORK TERMINATED WITH RJ45 CONNECTORS.

WIRING NOTES

RADIORA 3 RULES:

328 ft (100 m) MAXIMUM RUN

- 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
- 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
- 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

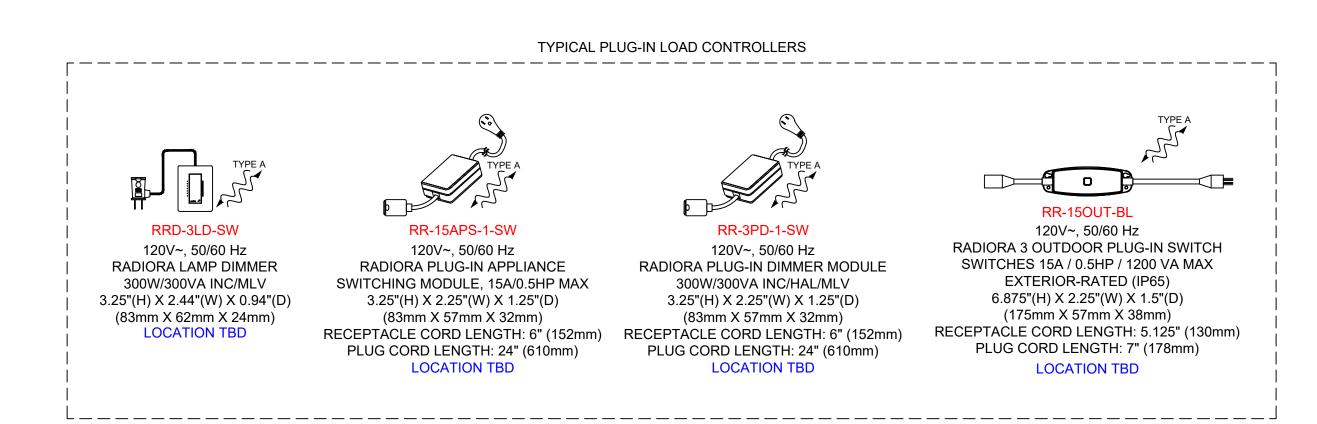
LED DIMMING REQUIRES AN EXACT MATCH BETWEEN THE LED ARRAY, DRIVER AND CONTROL. LUTRON CANNOT GUARANTEE COMPATIBILITY OR PERFORMANCE WITHOUT TESTING THIS COMBINATION. TO CONFIRM WHAT PRODUCTS LUTRON HAS AVAILABLE OR WHAT INTERFACES MAY BE REQUIRED, CALL 1-877-DIM-LED8 OR CHECK LUTRON'S PRODUCT COMPATIBILITY MATRIX ON-LINE

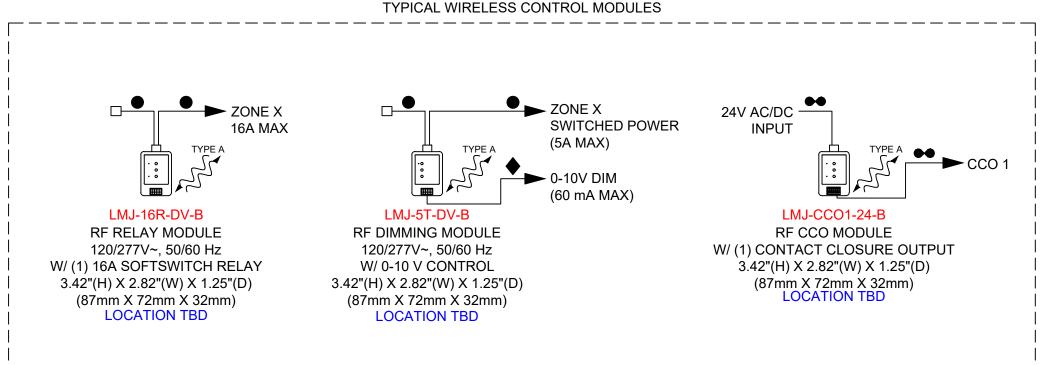
AT WWW.LUTRON.COM/LED. TO REQUEST THE TESTING OF AN LED PRODUCT BY LUTRON MANUFACTURERS CAN FILL OUT AN LED EVALUATION REQUEST FORM ON-LINE AT WWW.LUTRON.COM/LED OR CONTACT LEDS@LUTRON.COM.

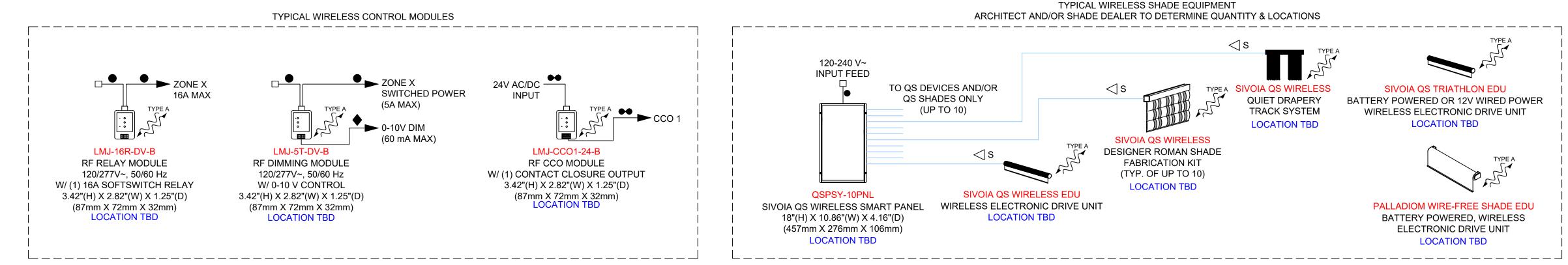
LUTRON CAN GUARANTEE COMPATIBILITY AND PERFORMANCE OF LUTRON HI-LUME LED DRIVERS USED WITH APPROPRIATE LUTRON CONTROLS. PLEASE REFER TO THE SPECIFICATION SUBMITTAL SHEET FOR FURTHER INFORMATION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING 0-10V CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. 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 HI-LUME 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

NOT FOR CONSTRUCTION

Project Number:	######
Drawn By:	MDB
Drawing Revision:	0
Drawing Date:	Q3 2022
Sheet:	1 OF 1

