

TOTAL CONTROL LINK LENGTH	WIRE GUAGE	AVAILABLE FROM LUTRON IN ONE CABLE:	
LESS THAN 500ft (153 m)	POWER (TERMINALS 1&2): 1 PAIR 18 AWG (1.0 mm²)	GRX-CBL-346S OR GRX-PCBL-346S	
	DATA (TERMINALS 3&4): 1 PAIR 22 AWG (0.5 mm²), TWISTED AND SHIELDED*		
500ft (153 m) TO 2,000ft (600 m)**	POWER (TERMINALS 1&2): 1 PAIR 12 AWG (4 mm²)	GRX-CBL-46L OR GRX-PCBL-46L	
	DATA (TERMINALS 3&4): 1 PAIR 22 AWG (0.5 mm²), TWISTED AND SHIELDED*		

*ALTERNATE DATA-ONLY CABLE: USE APPROVED DATA LINK CABLE (22 AWG [0.5 mm²] TWISTED/SHIELDED) FROM BELDEN (MODEL # 9461). **TOTAL LENGTH OF THE QS LINK MUST NOT EXCEED 2,000 ft (600 m).

△R RF CONTROL LINK (SEE WIRE DESCRIPTION BELOW)

R RF CONTROL LINK (SEE WIRE DESCRIPTION BELOW) (CONNECT WIRES 1, 3 AND 4. DO NOT CONNECT WIRE # 2)

LUTRON CABLE GRX-CBL-46L (5 CONDUCTOR NON-PLENUM) OR GRX-PCBL-46L (5 CONDUCTOR PLENUM RATED). OTHERWISE USE 2 #12 AWG (4 mm²), 1 BELDEN #9461.

MAXIMUM DEVICES PER (ONE OUTPUT	MAXIMUM DISTANCE PER ONE OUTPUT BASED ON WIRE GUAG		
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 mm²) GRX-CBL-346S-500
1 SIVOIA QS SHADE OR DRAPERY	UP TO 1	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	DRAW UNIT			
2 SIVOIA QS ROLLER 100™, ≤ 50 ft² (4.6 m²) EACH				

☐ INPUT POWER (NORMAL) 2 #12AWG (4 mm²)

G2L KETRA G2 LEADER CABLE G2J KETRA G2 JUMPER CABLE

E CAT5E OR BETTER CABLE FOR LUTRON NETWORK TERMINATED WITH RJ45 CONNECTORS (TO BE PROVIDED BY OTHERS). 328 ft (100 m) MAXIMUM RUN.

4 1-WAY RF COMMUNICATION 2-WAY RF COMMUNICATION KETRANET MESH WIRELESS NETWORK

HWQS WIRELESS LINK RULES THE FOLLOWING LINK RULES MUST BE OBSERVED FOR PROPER OPERATION:

- 15 WIRELESS LINKS MAXIMUM
- 4 REPEATERS PER WIRELESS LINK 95 DEVICES PER WIRELESS LINK, IN ADDITION TO WIRELESS REPEATERS.
- 100 SWITCH LEGS PER WIRELESS LINK 2500 FT² (762 M²) COVERAGE PER REPEATER
- 30 FT (9 M) FROM ANY NON-REPEATER TO REPEATER
- 60 FT (18 M) BETWEEN REPEATERS DAISY CHAIN WIRE RUN BETWEEN PROCESSOR AND/OR REPEATERS CANNOT EXCEED 1000 FT (305)
- REPEATERS CAN BE WIRED TOGETHER, BUT MUST BE DAISY-CHAINED. AT LEAST (1) WIRELESS REPEATER MUST BE PHYSICALLY WIRED BACK TO THE LINK ON THE PROCESSOR.

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

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.

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