



WIRING LEGEND:

▲ QS Control Link (*see below)
 ▲ QS Control Link (*see below)
 (Connect wires 1, 3 and 4. Do not connect wire # 2)

QS Wiring as Required by Control Link Length:

| Control Link Length | Wire Gauge | Available from Lutron in one cable |
|---------------------------------|---|------------------------------------|
| Less than 500ft (153m) | Power (terminals 1&2): #14 AWG (18) or #16 AWG (18) Data (terminals 3&4): #16 AWG (18) twisted and shielded* | GRX-CBL-346S or GRX-PCBL-346S |
| 500ft (153m) to 2000ft (610m)** | Power (terminals 1&2): #12 AWG (18) or #14 AWG (18) twisted and shielded* Data (terminals 3&4): #16 AWG (18) twisted and shielded* | GRX-CBL-46L |

*Alternate data-only cable: Use approved data link cable (22 AWG (0.5mm²) twisted/shielded) from Belden (model # 9461).

**Total length of the QS link must NOT exceed 2000ft (610m).

***QS Link can have a maximum of 99 devices, 100 zones, and 512 switch legs.

□ Input Power
 ● 2 #12AWG
 ▲ CAT5e or better cable for dedicated Lutron network terminated with RJ45 connectors (to be provided by others). 328 feet (100m) maximum run.

WIRING NOTES:

QS Control Link

The QS Control Link has a free wiring topology (daisy chain, 1-tap, etc.) For illustration purposes the QS Control Link is shown wired in the daisy chain fashion. Additionally, controls have been laid out to ensure appropriate power to each device. Check power requirements before modifying device wiring order. Use Lutron cable GRX-CBL-346S (4 Conductor Non-Plenum) or GRX-PCBL-346S (4 Conductor Plenum). Otherwise use 2 #18 AWG (1.0 mm sq) and 1 Belden #9461. Use GRX-CBL-46L for links running longer than 500 ft.

All dimming ballasts to be Lutron EcoSystem, Hi-Lume or Eco-10 type.

E.E. to confirm all circuiting requirements.

Architect to verify quantity, location & finish of all controls.

All faceplates, dimmers, switches, receptacles & cable/phone jacks to be Lutron NOVA T*.

Lutron Field Service commissioning included in all systems initiates an 8 year limited warranty. The electrical contractor must contact Lutron (800-523-9466) to set up visit with 10 days notice.

Typical HomeWorks QS System Laout

CONCEPT DRAWING

NOT FOR CONSTRUCTION

| | |
|-------------------|---|
| Project Number: | X |
| Drawn By: | X |
| Drawing Revision: | # |
| Drawing Date: | X |
| Sheet: | X |

Concept Drawing Notes:
 Control system drawing is provided for conceptual purposes only and is not intended for construction. All equipment shall be verified in accordance with the most up-to-date lighting/electrical reflected ceiling plans, floor plans, and schedule. All equipment shall be verified in accordance with architectural plans, specifications and window schedules/details.