Connection diagrams | Quantum®

Processors

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Processors

Quantum light management hub (QP2 or QP3) (continued)

DCI dimming panel  
GRAFIK Eye QS main unit  
GRAFIK Eye QS with EcoSystem main unit  
GRAFIK Eye QS with DALI main unit

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Processors

Quantum light management hub (QP2 or QP3) (continued)

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Quantum light management hub (QP2 or QP3) (continued)

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.

† Interface provides additional capacity and/or may be different voltage than control unit.
Incandescent/halogen (continued)

Phase-adaptive power module with 3-wire input

EcoSystem® dimming power module

Energi Savr Node™ with EcoSystem

Energi Savr Node phase adaptive (DIN-rail)

GP dimming panel

DCI dimming panel

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Connection diagrams | Quantum®

Dimmed

Incandescent/halogen (continued)

LP dimming panel
CCP panel with dimming module
CCP panel with electronic low-voltage module
CCP panel with adaptive dimming module

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Magnetic low-voltage (continued)

MLV transformer (by others)

Phase-adaptive power module with 3-wire input

EcoSystem® dimming power module

Energi Savr Node™ with EcoSystem

Energi Savr Node phase adaptive (DIN-rail)

GP dimming panel

LP dimming panel

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
**Dimmed**

Fluorescent (EcoSystem®)

- EcoSystem ballast
  - H-Series
  - Hi-lume 3D
  - EcoSystem

- EcoSystem ballast
  - H-Series
  - Hi-lume 3D
  - EcoSystem

- EcoSystem ballast
  - H-Series
  - Hi-lume 3D
  - EcoSystem

- EcoSystem ballast
  - H-Series
  - Hi-lume 3D
  - EcoSystem

- Quantum light management hub (QP2)
- GRAFIK Eye® QS with EcoSystem® main unit
- Energi Savr Node™ with EcoSystem
- Energi Savr Node with EcoSystem (DIN-rail)

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

Fluorescent (3-wire) (continued)

3-wire ballast
- Hi-lume®
- Hi-lume 3D
- EcoSystem®

3-wire ballast
- Hi-lume
- Hi-lume 3D
- EcoSystem

3-wire ballast
- Hi-lume
- Hi-lume 3D
- EcoSystem

Fluorescent dimming ballast
interface

3-wire fluorescent
power module

Fluorescent dimming ballast
interface

Energi Savr Node™
phase adaptive (DIN-rail)

GP dimming
panel

LP dimming
panel

LP dimming
panel

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Dimmed

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Dimmed

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
### Dimmed

**LED (3-wire) (continued)**

- 3-wire LED driver – Hi-lume A-series
- Fluorescent dimming ballast interface
- 3-wire fluorescent module
- Fluorescent dimming ballast interface
- LP dimming panel
- CCP panel with dimming module
- CCP panel with dimming module
- CCP panel with electronic low-voltage module

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

Tu-Wire® Fluorescent (continued)

Tu-Wire ballast
– Tu-Wire

Tu-Wire ballast
– Tu-Wire

Tu-Wire ballast
– Tu-Wire

Tu-Wire ballast
– Tu-Wire

Phase-adaptive power module with 3-wire input

+ EcoSystem® dimming power module

Energi Savr Node™ with EcoSystem®

GP dimming panel

LP dimming panel

CCP panel with dimming module

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

Fluorescent (0-10V) (continued)

0-10V ballast (by others)

EcoSystem® to 0-10V translator

Energi Savr Node™ with EcoSystem®

Energi Savr Node for 0-10V

Energi Savr Node for 0-10V (DIN-rail)

Energi Savr Node phase adaptive (DIN-rail)

0-10V interface

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Fluorescent (0-10V) (continued)

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Dimmed

Fluorescent (0-10 V) (continued)

LED (0-10 V)

0-10 V ballast (by others)

0-10 V ballast (by others)

0-10 V LED driver (by others)

0-10 V LED driver (by others)

Ten-volt module

0-10 V interface

0-10 V interface

0-10 V interface

CCP panel with adaptive dimming module

CCP panel with adaptive dimming module

GRAFIK Eye® QS main unit

GRAFIK Eye QS with EcoSystem® main unit

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
LED (0-10 V) (continued)

0-10 V LED driver (by others)

0-10 V interface

CCP panel with dimming module

LP dimming panel

CCP panel with electronic low-voltage module

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Connection diagrams | Quantum®

**Dimmed**

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

Fluorescent (PWM) (continued)

PWM ballast (by others)

Pulse width modulation interface

Ten-volt module

CCP panel with dimming module

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Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Dimmed

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Dimmed

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Dimmed

Fluorescent (DALI) (continued)

DALI ballast (by others)

Ten-volt module

CCP panel with dimming module*

GP dimming panel*

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* DALI broadcast only
Dimmed

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Connection diagrams | Quantum®

Dimmed

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Dimmed

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Dimmed

LED (2-wire forward phase) → Forward phase LED driver – Hi-lume® A-Series → CCP panel with adaptive dimming module

CFL/LED (screw-base) → Forward phase LED driver – Hi-lume® A-Series → CCP panel with dimming module

Phase-adaptive power module → Electronic low-voltage interface

GRAFIK Eye® QS main unit → GRAFIK Eye QS main unit

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Dimmed

CFL/LED (screw-base) (continued)

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Dimmed

CFL/LED (screw-base) (continued)

Phase-adaptive power module with 3-wire input

EcoSystem dimming power module

Energi Savr Node™ with EcoSystem®

Energi Savr Node phase adaptive (DIN-rail)*

GP dimming panel**

GP dimming panel

* Visit www.lutron.com/LEDtool for a complete list of LEDs compatible with this module.
** Forward phase only; reverse phase will require an interface.

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Dimmed

CFL/LED (screw-base) (continued)

Electronic low-voltage interface

Power booster

Phase-adaptive power module

Power booster

GP dimming panel

GP dimming panel

LP dimming panel

LP dimming panel

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Dimmed

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Dimmed

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Connection diagrams | Quantum®

Dimmed

Neon/cold cathode

Phase-adaptive power module with 3-wire input

EcoSystem dimming power module

GRAFIK Eye® QS main unit

GRAFIK Eye QS with EcoSystem main unit

Energi Savr Node™ with EcoSystem

Energi Savr Node phase adaptive (DIN-rail)

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Dimmed

Neon/cold cathode (continued)

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Switched

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Non-dim lighting (continued)

Switching power module†

0-10V interface†

Pulse width modulation interface†

GRAFIK Eye® QS with EcoSystem® main unit

GRAFIK Eye QS with EcoSystem main unit

GRAFIK Eye QS with EcoSystem main unit

GRAFIK Eye QS with EcoSystem main unit

† Interface provides additional capacity and/or may be different voltage than control unit.

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Switched

Non-dim lighting (continued)

EcoSystem® switching power module†

EcoSystem® switching power module

GRAFIK Eye® QS with EcoSystem main unit

Energi Savr Node™ with EcoSystem

Energi Savr Node™ with Softswitch®

Energi Savr Node for 0-10V

† Interface provides additional capacity and/or may be different voltage than control unit.

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Non-dim lighting (continued)

Energi Savr Node™ for Switching (DIN-rail)

Energi Savr Node for 0-10V (DIN-rail)

Energi Savr Node phase adaptive (DIN-rail)

Energi Savr Node phase adaptive (DIN-rail)

0-10V interface

Pulse width modulation interface

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Non-dim lighting (continued)

0-10 V interface

Pulse width modulation interface

Switching power module

0-10 V interface

CCP panel with electronic low-voltage module

CCP panel with electronic low-voltage module

CCP panel with adaptive dimming module

CCP panel with adaptive dimming module

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Switched

Non-dim lighting (continued)

Pulse width modulation interface

CCP panel with adaptive dimming module

Switching power module

GRAFIK Eye® QS main unit

HID

0-10V interface

GRAFIK Eye QS main unit

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HID (continued)

Switched

Pulse width modulation interface

Switching power module

0-10V interface

Pulse width modulation interface

GRAFIK Eye® QS main unit

GRAFIK Eye QS with EcoSystem® main unit

GRAFIK Eye QS with EcoSystem main unit

GRAFIK Eye QS with EcoSystem main unit

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Switched

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Switched

- HID (continued)
  - 0-10V interface
  - Pulse width modulation interface
  - Switching power module
  - LP dimming panel
  - LP dimming panel
  - XP switching panel
  - CCP panel with dimming module

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Switched

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Switched

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Switched

Motor loads

Switching power module

0-10V interface

Pulse width modulation interface

Switching power module

GRAFIK Eye® QS main unit

GRAFIK Eye® QS main unit

GRAFIK Eye® QS main unit

GRAFIK Eye QS with EcoSystem main unit

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Switched

Motor loads (continued)

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Switched

Motor loads (continued)

Switching power module

0-10V interface

Pulse width modulation interface

Switching power module

GP dimming panel

GP dimming panel

GP dimming panel

LP dimming panel

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Switched

Motor loads (continued)

0-10V interface

Pulse width modulation interface

Switching power module

LP dimming panel

LP dimming panel

XP switching panel

CCP panel with dimming module

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Motor loads (continued)

- 0-10 V interface
- Pulse width modulation interface
- 0-10 V interface
- Pulse width modulation interface

- CCP panel with dimming module
- CCP panel with dimming module
- CCP panel with electronic low-voltage module
- CCP panel with electronic low-voltage module

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Switched

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Switched

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Switched

Fan loads (continued)

0-10V interface

Pulse width modulation interface

Switching power module

LP dimming panel

LP dimming panel

XP switching panel

CCP panel with dimming module

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Swatched

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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Switched

15A receptacle

Energi Savr Node™ with Softswitch®

Energi Savr Node for 0-10V

XP switching panel

CCP panel with switching module

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Control options

EcoSystem® IR remote control

EcoSystem® IR receiver

EcoSystem® IR receiver

EcoSystem® IR receiver

QS sensor module

EcoSystem ballast

Energi Savr Node™ with EcoSystem

Energi Savr Node™ with EcoSystem

Energi Savr Node with EcoSystem (DIN-rail)

Quantum light management hub (QP2 or QP3)

Quantum light management hub (QP2 or QP3)

Quantum light management hub (QP2 or QP3)

Quantum light management hub (QP2 or QP3)

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Control options

- EcoSystem® IR remote control
- EcoSystem® IR receiver
- EcoSystem® IR receiver
- EcoSystem® IR receiver
- EcoSystem® IR receiver
- Energi Savr® Node for DALI (DIN-rail)
- Energi Savr® Node with Softswitch®/0-10V (DIN-rail)
- Energi Savr® Node for Switching/0-10V (DIN-rail)
- Energi Savr® Node phase adaptive (DIN-rail)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)

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Control options

Infrared (IR) remote control (continued)

- Ceiling-mount IR receiver
- Wallstation/keypad with IR receiver
- GRAFIK Eye QS main unit
- GRAFIK Eye QS with EcoSystem® main unit
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)

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Control options

- Infrared (IR) remote control (continued)
- Pico® wireless control
- Pico® wired control
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- GRAFIK Eye QS with DALI main unit
- QS sensor module
- QS sensor module
- Energi Savr Node™ with EcoSystem ballast®

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Control options

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Connection diagrams | Quantum®

**Control options**

- EcoSystem® wallstation (continued)
- seeTouch® QS keypad
- International seeTouch QS keypad
- Energi Savr Node™ with EcoSystem
- Energi Savr Node with Softswitch®/0-10V
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)

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Control options

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Timeclock scheduling

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Sensors

Wired occupancy sensors (continued)

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Sensors

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Sensors

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Sensors

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Sensors

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Wired daylight sensor (continued)

- GRAFIK Eye® QS main unit
- GRAFIK Eye QS with EcoSystem® main unit
- GRAFIK Eye QS with DALI main unit

- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
- Quantum light management hub (QP2 or QP3)
Sensors

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Integration

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Window treatments

- Sivoia® QED wired shades (arrow pointing upwards)
- Sivoia QED power supply (arrow pointing upwards)
- Quantum light management hub (QP2 or QP3) (arrow pointing downwards)

Software and programming

- Q-Admin™ server (arrow pointing upwards)
- Q-Manager™ server (arrow pointing upwards)
- Q-Admin software for lights (arrow pointing downwards)
- Q-Admin software for shades (arrow pointing downwards)
- BACnet software (arrow pointing downwards)
- Quantum light management hub (QP2 or QP3) (arrow pointing downwards)

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Software and programming

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Software and programming

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Q-Manager™ server with Q-Admin™ software for lights

Q-Manager™ server with Q-Admin™ software for shades

Q-Manager™ server and separate host server

Q-Manager™ server with Q-Admin™ software for lights

Quantum light management hub (QP2 or QP3)

Quantum light management hub (QP2 or QP3)

Quantum light management hub (QP2 or QP3)

Quantum light management hub (QP2 or QP3)

* DALI emergency ballasts must be connected to Quantum system via an Energi Savr Node™ with DALI module