Quantum_® 3.0 User Guide



Quantum Vue_™ 1

Main Dashboard 2

How much energy am I saving system-wide? Do I have any system alerts? How can I view/edit scheduled events?

Navigation 3

How do I view different areas/buildings in my system?

Floorplan 4

How do I view summary information for an entire floor? How do I quickly control lighting and shades?

Overview 4 Quick-Control 5

Area Dashboard 6

What features and settings can I adjust for an individual area?

Lights 7

How do I adjust zone levels or edit preset scenes? Basic 7 Advanced 8

Shades 9

How do I adjust shade levels, edit shade presets, or adjust advanced shade settings such as Hyperion™?

Energy 10

How do I view power/energy reports? How can I create and view customized reports?

Alerts 11

How can I view pending system alerts?

Schedules 12

How do I manage scheduled events, including editing or disabling events and creating new schedules and/or events?

Overview 12 Add Schedule 13 Add Event 14 Specify Event Behavior 15 Location 15 Action 16 Edit All 17 Edit Event 18

Tuning 19

How do I adjust the high-end output of fixtures in an area?

Occupancy 20

How do I view/modify occupancy settings for an area? Sensors 20 After Hours 21

Q-Admin_™ 22

Daylight Target Set-Point Modification 23

If someone complains that their lights are too low in a space with Daylighting, what can I do? Switched 23

Location Settings 24

How do I define what lights will do (turn on/turn off/ dim) based on area occupancy and time of day? Review/Edit 24

Diagnostics 25

How do I know when a lamp or ballast has failed? Load Shedding 25 Check Status 26

Reports 27

What reports can I generate? How do I generate them?

Open a Report 27 Save, Print, and Export a Report 28 Options 29 Lighting Energy Usage Report 30 Lighting Power Usage Report 31 Lighting Power Trend Comparison Report 32 Lamp Maintenance Report 33 System Activity Report 34 Diagnostics Report 35 Sensor Connection Report 36 DALI Emergency Units Report 37

HyperionTM Solar Clock Modification 38

How do I change the times that my shades move? Overview 38 Control 39 Setup 42

Ballast Replacement 51

How do I replace faulty ballasts?

Q-Design™ 54

Sensor Replacement 55

How do I replace an occupancy sensor or Pico® wireless control in a space?

Contact Information 57



Quantum Vue

Main Dashboard



The three tiles in the center of the Main Dashboard screen allow you to:

- View system-wide energy information.
- Remain aware of system-wide alerts.
- Manage scheduled events.

The **Navigation** drop-down menu, located in the left-hand corner of the menu bar, allows you to navigate to other areas.



Navigation



Select the Navigation drop-down menu in the left-hand corner of the menu bar to view a list of locations.

• Navigate to a specific location: Click on or touch any item in the list.

Floorplan: Overview



After navigating to an area, you will see an interactive floorplan. To control the floorplan view:

- Pan: Click on or touch the screen and then drag.
- Zoom in and out: Scroll (or pinch with two fingers) or use the + and buttons located in the upper right-hand part of the detail screen. *Note:* Most floorplan areas will be labeled, but some labels may not be visible until you zoom in.

To change screen viewing options, select the **Showing** drop-down menu located in the upper right-hand section of the detail screen.

- Examine different views of the floorplan: Toggle between Lights, Energy, and Occupancy.
- Enable or disable Alert indicators in any floorplan view.



Floorplan: Quick-Control

2nd Floor	53% ~		Showing : Ligh	ts 🗸 - +
Hallway 1 Yorgey Aman Hallway	rea Yellow 2C Yellow 2B Čool Lights Hallvvay 1 Vander Valk's Cube Yellow 3B Equipment	ellow 2A * Lights On Off V Sanjeev's Area	Area Dashboard ■ Sheer Open Close ▼ △ Purple 2C	HWQS GŮI TE
Olson	HWQS Developers	pment Area	HWQS G [°] UI Tear	n
ed Developers	Quantum Managers Quantum Gl	Ĵi Developers	LD+Ťeam	Quantum Vue.

Click on or touch an area on the floorplan to activate a quick-control pop-up menu. Use this menu to:

- Control lighting and/or shades: Toggle lights on or off; toggle shade group buttons to open or close; click on or touch the arrow buttons to adjust levels in the selected area.
- Edit the area name: Click on or touch the pencil icon next to the area's name; enter a new area name in the resulting field.
- View additional information and settings for the selected area: Click on the **Area Dashboard** link in the pop-up menu.



Area Dashboard

2nd Floor North Ope	en Office			≡
100	Energy	Alerts	Schedules	
-	Savings 58%	۵.		
	Savings Using 0.9 kW 0.65 kW	No Alerts	Next Event Arrival - W (7:00 am, Aug 13)	
	Lights	Shades	Daylighting	
		Ē	*	
	High	Hyperion	Active	
	Tuning	Occupancy		S. A. S. M.
And Street Contraction		_		
	8.41 kW (62.84%)	Occupied		

The Area Dashboard provides at-a-glance information about any selected area and, with interaction, allows you to view additional details and make adjustments to any feature.

- Click on or touch a tile to navigate to the detail screen for that feature.
- Adjust desired settings in the selected detail screen.

The link to return to the floorplan is located in the upper left-hand section of the screen.



Lights: Basic

Full On	Zone 01	Zone 02	Zone 03	Zone 04	
High	100 %	100 %	100 %	100 %	
Medium	Ŷ	9	Y	Ŷ	
Low					
Off					
Rename Ar	dvanced				Save T
		Contra 1	12-2		
		States in			C.
West The second second	Martin C. A.C.	WHE DAWN THE			<u> 16776</u>

Select the **Lights** tile from the Area Dashboard to open the **Lights** detail screen for the current area. The interactive screen provides a list of area scenes on the left and a series of zone control sliders in the center.

- Activate a scene: Click on or touch the corresponding button in the list on the left. The lighting zones in the area will adjust their levels to achieve the desired scene.
- Edit scene or zone names: Click on or touch the **Rename** link located in the lower left-hand corner of the detail screen; enter a new scene name in the resulting field.
- Raise or lower all of the lighting zones in the area at once: Press the raise/lower arrow buttons located below the scene buttons.
- Raise or lower individual lighting zones separately: Click on or touch the slider or switch control and change the levels for the desired zone; adjust the level of each lighting zone until the desired light levels are achieved. *Note:* Because the lighting zones will actually change their levels in the space, it's best to perform this action while standing in the physical space so that the exact desired levels can be achieved.
- Save new zone levels to a scene:
 - 1. When desired levels are achieved, click on or touch the **Save To** link located in the lower right-hand section of the detail screen.
 - 2. Choose the scene to which you would like to save the current zone levels.

To make more advanced changes to scenes, click on or touch the **Advanced** link located in the lower left-hand section of the detail screen.



Lights: Advanced

Full On	Zone 01	Zone 02	Zone 03	Zone 04		
High	✓ Include	Include	✓ Include	✓ Include		
Medium	100 %	100 %	100 %	100 %		
Low	Fade (2s)	Fade (25)	Fade (25)	Fade (2s)		
Off	Delay 💌 (0ms)	Delay 🔻	Delay 🔻	Delay 💌 (0ms)		
	Hide Advanced				A46.00	Save
				S. Stan		

The Lights: Advanced detail screen allows you to further define the behavior of each lighting scene.

- Set the levels of each lighting zone for a given scene: Enter a level into the % field for each zone.
- Specify the fade and delay times that will apply for each zone when the scene is activated: Select the **Fade** and **Delay** drop-down menus to assign times for each zone.
- Deselect one or more zones: Uncheck the desired **Include** check-boxes. *Note:* Zones that are not included in a given scene will not be affected when that scene is activated.

To return to the **Lights: Basic** detail screen, click on or touch the **Hide Advanced** link located in the lower left-hand section of the detail screen.



Shades

Sunscreen		Blackouts			
Open		Open	-		
Preset 001		Preset 001	_		
Preset 002		Preset 002			
Preset 003		Preset 003			
Close	-	Close			
	25.00 %		75.00 %		
ename Identify	Save to 👻	Rename Identify	Save to 👻		
yperion Settings				Hyperion Report	Cancel Save
nade group hyperion settings					
nade Group 001					
yperion Shade Level					Unaffect
urrent Sensor Reading:					
rightness Override Off					\bigcirc
ark Override On					Č
					150

Select the **Shades** tile from the Area Dashboard to open the **Shades** detail screen for the current area. The interactive screen provides an inventory of the shade groups across the top.

- Select a preset for each shade group: Click on or touch the corresponding button on the left-hand side of the shade image.
- Set the level for each shade group:
 - Press the raise/lower arrow buttons located below the preset buttons or
 - Enter a shade position into the % field under the shade image or
 - Drag the shade image itself to the desired level.
- Identify a shade group in the area (e.g., when there is more than one shade group and the names are not descriptive enough):
 - 1. Click on or touch the **Identify** link below the shade group that you want to identify: That shade group in the physical space will raise and lower several times.
 - Click on or touch the Identify link again (the link will read Stop while the shade group is identifying): The shade group will stop moving.
 - Click on or touch the Rename link and enter in a more descriptive name for the shade group. Note: The Rename link can also be used to rename the shade group presets.
- Edit any shade group preset:
 - 1. Set the desired level for the shade group using one of the methods specified above.
 - 2. Click on or touch the Save To link of the selected shade group.
 - 3. Choose the preset to which you would like to save the current shade level.



Energy



Select the **Energy** tile from either the Main Dashboard or the Area Dashboard to open the **Energy** detail screen. The interactive screen provides energy-usage and power-consumption data for the entire system (if navigating from the Main Dashboard) or for a selected area (if navigating from the Area Dashboard).

- Select the viewing timeframe: Click on or touch the drop-down menu located in the upper left-hand section of the detail screen to choose a data-viewing time span; press the left/right arrow buttons, located on either side of the pull-down menu, to view previous months and toggle back to the current time period.
- View a savings analysis for the selected timeframe based on energy savings strategies that are being employed: Click on or touch the **Savings By Strategy** button located in the upper left-hand section of the detail screen.
- Export data to a .CSV file format: Click on or touch the **Export** icon located in the upper right-hand section of the detail screen.
- Generate and save custom reports: Click on or touch the **Advanced Reports** link located in the upper right-hand section of the detail screen to create and save customized reports that compare multiple areas, cover custom time ranges, and measure different types of data. *Note:* The **Advanced Reports** link is also an access point for custom reports that you've previously created and saved.



Alerts



Select the **Alerts** tile from either the Main Dashboard or the Area Dashboard to open the **Alerts** detail screen. The interactive screen provides a list of all current, open alerts in the system (if navigating from the Main Dashboard) or only in the current area (if navigating from the Area Dashboard).

• Filter the list of alerts: Click on or touch the **All Alert Types** drop-down menu located in the upper left-hand section of the detail screen.

If alerts occur while you are using the Quantum Vue™ software, you will receive a badge alert notification at the top of the screen, regardless of the screen you are viewing. For extra coverage, configure the Quantum[®] system to notify you of selected alerts via email; this feature is currently available from Q-Admin™.



Schedules: Overview

Schedule	All timeclocks		\sim			<	08/03/	14 - 08/09/14 🕥			+ Add Even
3	Sun	4	Mon	5	Tue	6 Wed		7 Thu	8 Fri	9	Sat
05:00											
06:00											
07:00						< 07:30 Sweep	Ð		< 07:30 Sweep	. 📀	
08:00											
09:00											
10:00											
11:00											
11.00								11:30 Annou			
12:00											

Select the **Schedules** tile from either the Main Dashboard or the Area Dashboard to view a calendar of scheduled events. All schedules and events in the system will be shown if you navigate from the Main Dashboard; schedules and events that affect only the selected area will be shown if you navigate from an Area Dashboard.

A schedule (timeclock) is simply a group of one or more events.

- View all events in all schedules: Select the **All Timeclocks** option from the **Schedule** drop-down menu located in the upper left-hand section of the detail screen.
- View events for a single schedule: Select the desired timeclock from the **Schedule** drop-down menu.
- Add a new schedule: Select Add Timeclock from the Schedule drop-down menu.
- Navigate through the calendar: Toggle the left/right arrow buttons on either side of the date range located in the upper middle section of the detail screen.
- Add a new event: Click on or touch the **Add Event** link located in the upper right-hand section of the detail screen.
- Edit an existing event: Click on or touch the desired event in the calendar; in the pop-up window, select **Occurrence** or **Series**.
 - Click on or touch Occurrence: On the resulting screen, click on or touch the pencil icon to change occurrence settings and timing. *Note:* Editing an event occurrence causes that event to be set apart as an event separate from the series or
 - Click on or touch **Series**: On the resulting screen, click on or touch the pencil icon to change series settings and timing; disable, delete, copy the series; test the series behavior.



Schedules: Add Schedule

Sched	ule: All timeclocks	<u> </u>			(08/	03/14 - 08	/09/14 >		+ Ad	d Event
00.00	3 Sun	4 Mon	5		6 Wed	7		8	9 Sat	
09:00				Add Sch	edule	×				
10:00				Name						
11:00					up					
12:00										
13:00						_				
14:00					Cancel Do	ine				
15:00										
16:00										

Select Add Timeclock from the Schedule drop-down menu located in the upper left-hand section of the detail screen.

- Add a new schedule: Enter the name of the new schedule in the **Name** field of the pop-up window.
- Allow Catchup: Controls whether events will be applied when the system starts back up in the event of a power failure.
 - Click on or touch Catchup box to check: events in the schedule will be executed in order if they were
 missed during a power failure condition
 or
 - Click on or touch Catchup box to uncheck: the system will not retroactively execute missed events when it returns from a power failure condition.



K Back Purple 2A Schedules	=
Event Name event part of Regular schedule Schedule	
1. When 🔗	
Fixed Sunrise/Sunset	
Weekly By Dates	
Sun 🖌 Mon 🗸 Tue 🖌 Wed 🖍 Thu 🖌 Fri 📄 Sat	
Starting Now Until Forever	
2. Behaviour	
+ Add Location + Add Variables/Sequences	
	ancer Save
OLUTRON	QUANTUM VUE.

Select the Add Event link located in the upper right-hand section of the calendar to open an interactive screen.

- Create and program a new scheduled event:
 - 1. Specify the new event in the Event Name field.
 - 2. Select the schedule of which you would like the new event to be a part from the **Inside Timeclock** dropdown menu.
 - 3. Determine When the event will occur. Events can occur:
 - At fixed times (e.g., 7:30 AM)
 or
 - Relative to astronomic conditions (e.g., 30 minutes before sunrise)
 - 4. Specify the recurrence conditions for an event; select a:
 - Weekly pattern or
 - Series pattern By Dates
 - Create an event that only runs only one time: Click on or touch the **By Dates** button, enter the specific date for the event, deselect the **Repeat Annually** checkbox or
 - Specify the start and end dates (by default, recurring events start on the earliest available day and repeat indefinitely): Click on or touch the **By Dates** button, enter the specific date for the event, keep the **Repeat Annually** checkbox selected. If there are dates in the recurrence on which you do not want the event to run, click on or touch the **Add Exception** link and specify these dates.
 - 5. Determine the behavior for the event (the actions that will take place in the system when the event occurs). Refer to the *Schedules: Specify Event Behavior—Location* section.
 - 6. When you have set all of the event parameters as desired, click on or touch the **Save** button to commit the changes to the system.



Schedules: Specify Event Behavior-Location

Back Purple 2A Schedules Event Name event part of Regular schedule 1. When 🚱	schedule	Ξ
Fixed Sunrise/Sunset hr : min AM Weekly By Dates Sun Mon Tue Wed Thu Starting Now Until Forever Except For +Add Exception	Browse areas X Cancel Done X Cancel Done	
IS15.intra.lutron.com/#		Cancel Save QUANTUM.VUE

Select the Add Event link located in the upper right-hand section of the calendar to open an interactive screen.

- To specify an event's behavior, perform the following steps in order: •
 - 1. Click on or touch the Add Location link to generate a dialog box.
 - 2. Select one or more areas that will be affected by the action(s) you will set.
 - Use the < Back and > links to navigate between the areas in the system.
 Each area that you have selected will be indentified with a check mark.
 - 3. When you have finished selecting areas, click on or touch the **Done** button.
 - 4. Proceed to the Schedules: Specify Event Behavior-Action section.



Schedules: Specify Event Behavior-Action

	schedule	
1. When 🐨		
Fixed Sunrise/Sunset		
hr : min AM	Select Action X	
Weekly By Dates	Showing Lighting Scenes	
Sun Mon Tue Wed Th	u Scene Off V	
Starting Now Until Forever		
Except For +Add Exception		
2. Behaviour		
2. Behaviour <u>+ Add Location</u> <u>+ Add Variables/Sequences</u>		
2. Behaviour + Add Location + Add Variables/Sequences Location	Cancel Done	Edit All
2. Behaviour + Add Location + Add Variables/Sequences Location 2nd Floor > Purple Quad > Purple 2A	Cancel Done	Edit Al
2. Behaviour + Add Location + Add Variables/Sequences Location 2nd Floor > Purple Quad > Purple 2A	Cancel Done	Edit All

- When all desired locations have been set, specify the actions for each location:
 - 1. Click on or touch the + Add Action link next to each location in turn.
 - 2. In the resulting dialog box, use the **Showing** drop-down menu to select an item.
 - **3.** When an item is selected, the possible actions will appear below it; add a check mark to each action that you want to apply.
 - 4. Specify the value that you want to apply for the check-marked action (for example, if viewing Lighting Scenes, the action that can be performed is a Scene activation. Placing a check mark in the Scene action box enables you to select the scene that you want to activate).

You can select more than one type of action for a given location (e.g., you can select a lighting scene and adjust the occupied level).

- 5. When you have finished specifying actions for a location, click on or touch the **Done** button.
- 6. Repeat Steps 1–5 for each location.

Note: To specify actions for all of the locations in your event (instead of setting actions for each location, one at a time, as described above), proceed to the *Schedules: Specify Event Behavior—Edit All* section.



Schedules: Specify Event Behavior-Edit All

Event Name event part of Regular schedule	schedule	
1. When 🔗		
Fixed Sunrise/Sunset		
8 : 00 PM	Quickly Set Levels X	
Weekly By Dates	For all areas selected	
Sun 🖌 Mon 🖌 Tue 🖌 Wed 🖌 Thu	to off	
Starting Now Until Forever		
Except For +Add Exception		
2. Behaviour		
+ Add Location + Add Variables/Sequences		
Location	Cancel Done	Edit All
znu noor > Purple Quad > Purple ZA		

To program multiple locations to perform the same action(s) when an event occurs:

- 1. Click on or touch the Edit All pencil icon.
- In the resulting dialog box, specify one or more actions for all of the selected locations. Note: The behavior of this dialog box is similar to the + Add Action dialog box featured in the Schedules: Specify Event Behavior— Action section.

If the desired action is already specified for a selected location, the existing value will be changed to whatever you have specified in the **Edit All** dialog box; if the desired action is not already specified, it will be added.

Schedules: Edit Event

Sweep On event part of Regular schedule schedule 🧪	⊘ Disable
1. When 🖋 📀	
Every weekday at 07:30AM .	
2. Behaviour 🧪	
Location	Action
Lutron\CB5\2nd Floor\Purple Quad\Purple 2A	Lighting Zones : Zone 01 - 100% , Zone 02 - 100% , Zone 03 - 75%

The screen generated by clicking on the event is similar to the one featured in the *Schedules: Specify Event Behavior—Add Event* section; there are three main event sections: Name and schedule, Timing, Behavior.

- Edit an event: Click on or touch the event in the main calendar. If the event is a recurring event, you will be prompted to:
 - Edit the entire recurring series or
 - Edit only the particular occurrence you selected, in which case the event will be set apart as an event separate from the recurring series.
- Modify a section: Click on or touch the pencil icon. Follow the same procedure described in the Schedules: Specify Event Behavior—Add Event section. Click on or touch the Save button to commit your edits to the system.
- Disable an event: Click on or touch the **Disable** button located in the upper right-hand section of the detail screen.
- Delete an event: Click on or touch the **Delete** button located in the upper right-hand section of the detail screen.
- Copy an event:
 - 1. Click on or touch the **Copy** button located in the upper right-hand section of the detail screen to generate a browser tab with a new event that is an exact copy of the previous event.
 - 2. Change the name of the new event because event names within a given schedule must be unique.
 - **3.** Edit the new event as desired before saving it.
- Test an event: Click on or touch the **Test** button located in the upper right-hand section of the detail screen. *Note:* To ensure that the behavior is working as programmed, the event's actions will be executed when you click on or touch this button!



Tuning

Adjust Maximum Light Level	s ()					
All Lights	ESN 0-10V	ESN 0-10V	ESN-PA 1 r	ESN-PA 1 r	ESN-PA 1 r	
90 %	90 %	90 96	90 %	90 %	90 %	
	Δ	Δ		Δ	Δ	\bigcirc
					\bigtriangledown	
Hide Advanced					Cancel	Save
					(Lest	
and from the second						
	a chillen in this of	AND THE REAL PROPERTY OF THE R				

Select the **Tuning** tile on the Area Dashboard to view and adjust the high-end trim of the lights in the currently selected area.

- Adjust all lights: Enter a new value in the **All Lights** % field or press the raise/lower arrow buttons located below the field.
- Adjust individual lighting zones in the area: Click on or touch the **Advanced** link located in the lower left-hand section of the detail screen. High-end trim levels for each zone will be shown to the right of the **All Lights** adjustment controls. Adjust the high-end trim of each zone independently, as desired.
- Click on or touch the **Save** button to commit your changes to the system.

Note: In certain rare cases, a zone may have a high-end trim that cannot be adjusted because of advanced settings configured in the Q-DesignTM software; this may happen when individual fixtures within the zone have different high-end trim levels.



Occupancy: Sensors

Occupancy Enabled	
Sensor mode: Auto-On/Auto-Off 🗸 🕥	
Additional sensor timeout: 0 min 🗸 🛈	
When area becomes	
Occupied lights go to: High 🗸	
Unoccupied lights go to: Off 🗸	
c	ancel Save
OLUTRON	QUANTUM VUE.

Select the **Occupancy** tile on the Area Dashboard to view and adjust the occupancy settings for the selected area. If occupancy sensors are in use for the selected area, you will see a screen similar to the one pictured above.

- Enable or disable occupancy processing for the current area: Toggle the **Occupancy** enable/disable control located in the upper left-hand section of the detail screen. If occupancy is disabled, the sensor(s) in the area will not turn the lights on or off when occupancy or vacancy is detected.
- Adjust the occupancy control behavior for the area: Click on or touch the **Sensor Mode** drop-down menu to select desired function.
 - Auto-On/Auto-Off: lights will be controlled when occupancy is detected and when vacancy is detected.
 - Auto-Off Only: lights will be controlled only when vacancy is detected—lights will need to be manually turned on when persons enter the room.
- Add an additional timeout value to the sensor(s) in the area. This timeout is the time interval that the system will wait after detecting vacancy and before sending the lights to the unoccupied level. *Note:* This value is in addition to the timeout that is set locally on the sensor(s) themselves (most occupancy sensors have a timeout dial or control button on the rear portion of the sensor; this parameter cannot be controlled from the system and must be adjusted manually).
- Specify the occupied and unoccupied light levels or lighting scenes that will be activated by the system when occupancy or vacancy, respectively, are detected in the area.



Occupancy: After Hours

<	Dashboard North Open	Office Occupancy		Ξ
	After hours Enabled:	0		
	Current Status:	Inactive		
	After hours timeout:	55 min 🗸 🕡		
	Blink warn timeout:	5 min V 🛈		
	When After hours mode			
	Begins, lights go to:	Off ~		
EE.	Ends, light go to:	Do nothi 🗸		
			Cancel Save	
			7	
			2.00Kg	
N. S.			English .	
dar ne	and West The dealers		- Same les Deserver	
			OUANTUM	VUF
10	and the second se			And the second second

After Hours manages light levels during non-work/non-business hours in areas that are not controlled by occupancy sensors.

Just before After Hours begins, the system initiates the **Blink Warn Timeout**—flashes the lights in the area—to alert occupants that the lights will be going to a low, After Hours light level (generally off).

After the Blink Warn Timeout, the system will turn the lights to the After Hours level.

If an occupant uses a wall control at any time, either during the Blink Warn period or after the lights have been sent to the After Hours level, the system will wait for a longer timeout period — "After Hours timeout" — before again flashing the lights and preparing to send the lights to the After Hours level.

- Select the After Hours tile on the Area Dashboard to view and adjust the After Hours settings for the selected area. The After Hours tile will be present only for areas that have been configured to use After Hours in the Q-Design™ software.
- Enable or disable After Hours behavior in the current area: Toggle the **After Hours** enable/disable control located in the upper left-hand section of the detail screen.
- Adjust the After Hours settings: Use the drop-down menus on the screen.

Note: To specify the times at which After Hours begins and ends for the current area, create events to start and end after-hours with the **Schedules** feature.







Daylight Target Set-Point Modification: Switched

S Q-Admin			
Updating Estimated time lef	t: less than 1 minute(s)		Language - English (United States)
Control & Monitoring			
Control 🥂 Occupancy 🔶 Daylighting 🕭 Hyperion Solar Clock 🖹 Load She	dding y ^x Variables Q Lamp Settings	-4-0	viagnostics] Alerts
Show favorite buttons			
You are viewing:			_
			•
Expand All		4 Þ	💠 Daylight
Collapse All			I want to:
Show Area Numbers			
Find area			View Daylighting Status
Area	Daylighting Target Set Point		C Enable/Disable Daylighting
QLutron Campus			Adjust the Daylighting Minimum Level
⊕ @ CB5 ☐			
			1. Colort on one form the left
G Ioor 1			1. Select an area from the left.
Conference Room	Updating		The minimum light level for this area is:
Equipment Room			40 fc
Mike Cube			
Shade Room	40 FC		Set the minimum light level for this area (Fc).
Salmon Area			40 🔹
@Area 001			Apply
Area 002		· ·	
@Area 003			
@Area 004			
Area 005			
Area 006			
Area 007			
Area 008			
Area 009			
Area 010			
Area 011			
Daylighting Enabled			
Daylighting Disabled			Do you want to Recommission Daylighting in this area ?
2 Not Applicable			Recommission

Switched daylighting: Switched daylighting is commissioned in Q-Admin_{TM}. Minimum light levels can be viewed and set for each area.

Change the minimum light level

- 1. Select an area.
- 2. In the right pane, select Adjust the Daylighting Minimum Level.
- 3. Change the level using the text box or up/down buttons.
- 4. Click Apply.



Location Settings

🛜 Q-Admin	
🔪 Control & Monitoring	Reports Administration
≽ Control 者 Occupancy 💠 I	Daylighting 🛛 Timeclock 🕭 Hyperion Solar Clock 🖲 Load Shedding yx Variables 🖓 Lamp Settings 🏠 Diagnostics 🚦 Alerts
	Ares:
Go To Today	Thursday, August 28, 2014
Go To Today < August 2014 > I F S S M T W T F S 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Thursday, August 28, 2014 Expand All Collapse All Country United States of America Country United States of America City Coopersburg Latitude 40.5 N Longitude 75.4 W Time Zone Eastern Time Eastern Tim
Logged in User: admin	Week: Time: Second week 12200 Save Add City Castom Ety Image: City Country Inited States of America State Pennsylvania City Image: City Latitude Image: Nime City Image: City Image: City </th

The Location Settings display is used for configuring geographical position and time zone.

The following system features are affected by location settings:

- Night Lights: Can be programmed to begin or end based on sunrise/sunset.
- Time Clocks: Can be programmed to execute based on sunrise/sunset.
- Hyperion™: Uses location settings and time zone information to determine the precise position of the sun.
- Green Glance: Uses location settings for weather display.

The Location Settings display can be accessed from the Hyperion™ screen by clicking Edit Location Settings in the right pane after selecting Review Location Settings.

Enter your location

- 1. Click Edit Location Settings and in the pop-up window, select your country, state/province, and city. This will automatically populate your latitude, longitude, time zone, and daylight savings information.
- 2. If your city is not available, click Add City and enter the appropriate details.
- 3. Click Save when completed. Remember to perform a database backup (see the information under the Administration tab for details) to save changes to disk.





Load shedding allows the building manager to monitor whole building lighting power usage and to apply a load shed reduction to selected areas, thereby reducing a building's peak power usage. Load shedding can be done for the whole project, for groups of areas, or for individual areas, at levels between 0% and 90%. 0% is the same as no load shedding.

Change load shedding targets for areas

- 1. Choose an area using the area tree in the grid on the right side.
- 2. Select the Allow Load Shed checkbox to load shed the area, or deselect it to prevent the area from being load shed.
- **3.** Type a number (from 0 to 90) in the **Goal** column. This is the percentage of the lighting level by which you want to reduce the area (0% = no reduction; 90% = maximum reduction).
- 4. Repeat for other areas for which you want to change load shedding.

5. Click Save & Apply.

Enable/disable load shedding

- 1. Click Enable Load Shed to enable load shedding for the entire project. The button text will change to Disable Load Shed.
- 2. Click **Disable Load Shed** to disable load shedding for the entire project. The button text will change to **Enable Load Shed**.

Typing a new number in the **Set Demand Goal to:** textbox changes the demand goal (red line). This represents a reference line for the building manager. To reduce demand when building power usage gets close to or above the line, adjust the load shedding to higher percentages for selected areas.



🔉 Control 🖧 Occupancy 💠 Daylighting 🎱 Time Clock 🕭 Hyperion Solar Clock 🐒 Load Shedding 🚦 Dia	gnostics				
The system is waiting for a response				41	Diagnostics
The system will periodically refresh the state of all items displayed in the grid. To refresh the status of an item manually, ri	aht click on the item and selev	t refresh		- 11	Lugation
				- 82	View Disaporties
Show Devices with Status:				- 82	View Diagnostics
UNC Responding				- 82	
zypand All				- 82	View DALI Emergency Status
Show Area Numbers			Show Report Customize Columns	- 82	
vice	Device Type	Firmware Available	Current/Available Rev	~	
A Office Building\Second Floor\Conference Rooms\Conference Room 221\OUANTUM PANEL CAFETERIA - Processor 1	Processor			1	
(2) Link B (DBI Link)					
€ ✓Office Building\Second Floor\Conference Rooms\Conference Room 221\QUANTUM PANEL CAFETERIA - DBI Loop	1 Digital Ballast Bus Controller	0.8.06/0.8.06			
- 🔥 Office Building\Second Floor\Conference Rooms\Conference Room 221\QUANTUM PANEL CAFETERIA - DBI Loop	2 Digital Ballast Bus Controller	0.8.06/0.8.06			
2) Office Building\Second Floor\Conference Rooms\Conference Room 221\2-1, Address: 1	EcoSystem Digital Ballast	2)			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-2, Address: 2	EcoSystem Digital Ballast	0.4.12/0.4.12			
😵 Office Building\Second Floor\Conference Rooms\Conference Room 221\2-3, Address: 3	EcoSystem Digital Ballast				
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-4, Address: 4	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-5, Address: 5	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-6, Address: 6	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-7, Address: 7	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-8, Address: 8	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-9, Address: 9	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-10, Address: 10	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Conference Rooms\Conference Room 221\2-11, Address: 11	EcoSystem Digital Ballast	0.4.12/0.4.12			
Office Building\Second Floor\Conference Rooms\Conference Room 221\2-12, Address: 12	EcoSystem Digital Ballast	0.4.12/0.4.12			
	3 Digital Ballast Bus Controller	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-01, Address: 1	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-02, Address: 2	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-03, Address: 3	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-04, Address: 4	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-05, Address: 5	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-06, Address: 6	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-07, Address: 7	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-08, Address: 8	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office North\3-09, Address: 9	EcoSystem Digital Ballast	0.4.12/0.4.12			
✓Office Building\Second Floor\Open Office Areas\Open Office South\3-10, Address: 10	EcoSystem Digital Ballast	0.4.12/0.4.12			
	EcoSystem Digital Ballast	0.4.12/0.4.12		*	
✓Office Building\Second Floor\Open Office Areas\Open Office South\3-11, Address: 11		A		1 million 1	

Diagnostics allows the building manager to check the status of all equipment in the lighting control system.

View Diagnostics

Devices will be listed with a reporting status of OK, missing, or unknown. Check or uncheck the filters above the grid (**OK**, **Unknown**, **Not in Database**, **Not Responding**) to show or hide devices with those states. At any time, click the **Show Report** link above the grid to show the same information in a report form, which can be saved, exported to .xls or .csv formats, and printed.

View which devices are currently not responding

- 1. Make sure the **Not Responding** checkbox at the top of the screen is checked. All other checkboxes can be unchecked to filter the list to only non-responding devices.
- 2. Use the diagnostics tree to navigate to which devices are currently not responding, or click **Expand All** to show all devices.
- 3. To generate a report that can be printed or saved, click on Show Report.



ኛ Q-Admin	- 6 🗙
Control & Monitoring 📓 Reports 🙀 Administration	
New 🚰 Open 🛆 View	0
Select a saved report from the list below. If you want to configure a new report, select New in the menu above.	
Saved Reports	
Linhting Power & Energy Usage	
Lann Maintenance	
System Activity	
System Transleshooting	
Diagostics Rendt 003	
Diagnostics Report 004	
Sensor Connection Report 002	
Diagnostics Report 005	
Diagnostics Report 006	
Diagnostics Report 007	
Diagnostics Report 008	
Sensor Connection Report 003	
Sensor Connection Report 004	
Diagnostics Report 013	
Diagnostics Report - 2nd Floor March 2011	
Delete	ок
Logged in User: admin	Logged in Time: Wednesday, April 20, 2011 3:29:06 PM

Open a Report

Open a saved report

- 1. Click Open in the Reports tab.
- 2. Click the selected report.
- 3. Click OK. The report will be loaded in a new subtab under the View tab.



💁 Q-Admin		
		Language - English (United States)
🖈 Control & Monitoring 🗋 Reports 🔄 Administration		
New 🚰 Open 🛕 View		0
Diagnostics Report - 2nd Floor March 2011 X Lighting Energy Usage Report 036 X		🕞 Save As 🛃 Save 🎒 Print 🔰 Export
Lighting Ener	gy Usage Report 036	Lighting Energy Usage Report
Report Generated on: Wee	inesday, April 20, 2011 3:38:40 PM	
A		O Graphical View
Area Energy (kwn) Office Building\Second Float\Open Office Areas\Open Office North 63.9		Tabular View
Office Building\Second Floor\Open Office Areas\Open Office South 49.4		
Office Building\Second Floor\Conference Rooms\Conference Room 221 49.7		How much energy did the lighting in
	Export Report Data	Click here to select Areas
	Choose the format in which you want the report data to be exported:	
	Excel Sheet (*.xls)	
	O JPEG Document (*.jpg)	
	Comma Separated Text Document (*.csv)	No. Areas
	Even with a second distance.	Office Building\Second Floor\Open Office Areas\ Office Building\Second Floor\Open Office Areas\
	c:\data\energy usage report20110420.xis Browse	3 Office Building\Second Floor\Conference Rooms
	Open file after Export	
		use over the
	Export Cancel	Last 7 days
		Apply Cancel
Leonad in Heavy selector		Lessed in Time, Wednesday, April 20, 2011 2:20:06 DM
Logged in oser, adnim		Logged in Time: Wednesday, April 20, 2011 3:29:06 PM

Save, Print, and Export a Report

Reports can be printed and saved to files. Exporting to Excel format (.xls) requires Microsoft® Excel® 2003 or newer to be installed; alternatively, reports may be exported in .csv format. All reports can be exported in tabular format (to .xls or .csv). Only reports that have a graphical view can be exported to the .jpg image format.

Save a report that has been created

- 1. Click Save or Save As...
- 2. If saving for the first time (or choosing Save As...), you will be prompted for the report name. Change the default name if desired, and click Save.

Print a report

- 1. Click Print.
- 2. Select the desired printer, choose options, if desired, and click OK.

Save a report to a file

- 1. Click Export.
- 2. Select the desired output format (.xls, .jpg, or .csv).
- 3. Choose the output file name by typing in the text box and/or using the Browse... button.
- 4. Afterwards, to open the file in the default spreadsheet or image application, check Open File after Export.
- 5. Click Export.



🛐 Q-Admin		_ # X
		Language - English (United States)
Control & Manitoving		
e condora Homeoring a Reports and a dom		
New 🚰 Open 🔍 View		0
Diagnostics Report - 2nd Floor March 2011 X Lighting Energy Usage Report 036 X		Save As Save Print A Export
		Lighting Energy Usage Report
		Graphical View
		🔘 Tabular View
	Calastad susan	
	Select the areas to include:	How much energy did the lighting in
	Expand All	
	Collapse All Show Area Numbers	Click here to select Areas
	Find area	
	Area Selected	
	B GOffice Building	
		No. Areas
		1 Office Building\Second Floor\Open Office Areas\
	Copen Office North	2 Office Building/Second Floor/Open Office Areas/
	Topen Office South	
	😑 📶 Conference Rooms	use over the
	Conference Room 221	
	Conference Room 222	Last 7 days 👻
	Private Offices	
	OK Cancel	
		Apply Cancel
Logged in User: admin		Logged in Time: Wednesday, April 20, 2011 3:29:06 PM

Report Options

Reports can be run with different options (e.g., the report above can be run for one or more areas over a specified time period).

Choose areas displayed in a report

- 1. Click Click here to select Areas...
- 2. Check one or more areas in the area tree.
- 3. Click OK.

To change other options in reports, use the appropriate controls on the right-hand panel. Available options vary by report.

Reports: Lighting Energy Usage Report



Lighting Energy Usage Report — "How much energy did the lighting in [selected areas] use over [time period]?" This report shows a pie chart comparing multiple areas over a period of time. It can be used to find which areas are using the most energy.

Create a Lighting Energy Usage Report

- 1. Select the areas to compare by using the Click here to select Areas... link.
- 2. Choose the time frame by using the drop-down menu on the right.
- 3. Click Apply.



Reports: Lighting Power Usage Report



Lighting Power Usage Report — "How does the power usage of [selected areas] compare over [time period]?" This report shows a bar graph comparing multiple areas' energy usage over a period of time.

Create a Lighting Power Usage Report

- 1. Select the areas to compare by using the Click here to select Areas... link.
- 2. Choose the time frame by using the drop-down menu on the right.
- 3. Click Apply.



Reports: Lighting Power Trend Comparison Report



Lighting Power Trend Comparison Report — "How does the power usage of [selected area] compare over [selected time frames]?"

This report shows power usage for a particular area over two different time spans. For example, this can be used to compare this week's energy usage with that of last week.

Create a Lighting Power Trend Comparison Report

- 1. Select the area by using the drop-down menu on the right.
- 2. Choose the first date by using the Time Frame A Start Date drop-down menu.
- 3. Choose the second date by using the Time Frame B Start Date drop-down menu.
- 4. Select the time span in the Duration drop-down menu.
- 5. Click Apply.



SQ-Admin		_	8 ×
		LUTRO	N.
🔭 Control & Monitoring 🔛 Reports			
🗋 New 🚰 Open 🔔 View			0
Lamp Maintenance Report 001 ×	4Þ	📕 Save As 📕 Save 🎒 Print 💋 Ex	port
Lamp Maintenance Report 001		Lamp Maintenance Report	
Areas reporting failed lamps Thursday, June 00, 2011 3:44:20 DM			
		Which Areas are reporting failed lamps?	
Areas # Failures	2		
E Fourth Floor 2		Only show me areas in .	
E 🗧 📶 Horthwest Quad	2	only show the dreas in .	
Conference Rooms 2	2	Gffice Building	
Tooffeence Room 46		Expand All	
Partitioned Conference Room 474		Collapse All	
		Show Area Numbers Find Area	
		G Office Building	
		First Floor	
		G Copen Office Areas	
		Open Office North Open Office South	
		Private Offices Restrooms	
		Elevator Lobby	
		Copy Room	
		Electrical Closet	
		Fourth Floor	
		Apply Cancel	

Lamp Maintenance Report — "Which Areas are reporting failed lamps?"

This report, run against a specified area, lists the number of failed lamps in that area or, if it is a folder area, the number of failed lamps in each of its child areas. Areas with no failures are not displayed.

Create a Lamp Maintenance Report

- 1. Select an area in the drop-down menu.
- 2. Click Apply.



😵 Q-Admin	
	Language - English (United States)
Control & Monitoring 🔐 Reports administration	
New Los Open 10 View	٩
	•
	Cours de la Cours I de Driet I 🔿 Durant
Lighting Power Gage Report 022 A Lighting Power renic Comparison Report 030 A Lamp Hammeniance Report 033 A System Activity Report 036 A Sensor Commection Report 035 A	Custom Astivity Depart
System Activity report 650	System Activity Report
Report Generated on: Wednesday, April 20, 2011 4:21:24 PM	What activity occurred in
	Click here to select Areas
Date / Time V User Event	Areas
4/20/2011 3:20:24 PM System Status [Office Building/Second Poor/West 2 Dring Area (Demo Area)/DINING AFEA 3:SOLAR SHADE 2 sent to 35 %	Office Building
4/2/2/011 3/20/24 PM System Status: Uthice Building/Second FoortWest 2 Uming Area [Umin AreA 3 SULAF SHAUE 1 sent to 35 %	
4/2/2/2011 3:15:24 PM System Status Uthore Building/second HoorNorm West Uning Area DUINING APLA 1:20 LAR SHADE 2:sen to 38 %	
4/2/2011 315/4 FM System Status Umde Buland Several FLD Imit general United Exect Status Shake 2 ferst to 38 4	
4/2/2011 315/4 PM System Status Unice building Second Indoneyet Li Dring Area Quinti Ninka Anee 2 SUBART 1 and 2 Subart 1 and 2 Subart 2 S	over the
W220211 3 1024 PM System State Drive Source State Drive Source State Sta	Custom
V222211 300201 m System State Office State Office State State Office Acad Bana Andrea State State Cost Acad Acad Acad Acad Acad Acad Acad Acad	Start Date: M/d/vvvv End Date: M/d/vvvv
4201/0113.0023 PM Sustem State: 0 fifter benarray benarray and a contract of the state of the st	12:00:00 AM 12:00:00 AM
4/20/2011 30023 PM Switem Status Uffice Building/Second Floor/West 1 Dining Area/DINING AFEA 2 SOLAR SHADE 2 sert to 41 %	5/ 4/2010 🛛 4/20/2011 💌
4/20/2011 3:00:23 PM System Status Office Building/Second Floor/West 1 Diring Area/DINING AREA 2 SOLAR SHADE 1 sent to 41 %	K April, 2011
4/20/2011 3:00:23 PM System Status Office Building/Second Floor/North West Dining Area/DINING AREA 1 SOLAR SHADE 1 sent to 41 %	Sun Mon Tue Wed Thu Fri Sat
4/20/2011 2 45/23 PM System Status Office Building\Second Floor\North West Dining Area\DINING AREA 1 SOLAR SHADE 1 sent to 45 %	Filter Events 27 28 29 30 31 1 2
4/20/2011 2:45:23 PM System Status Utifice Building/Second Floor/North West Dining Area/DINING AREA 1 SOLAR SHADE 2 sent to 45 %	Occupant Activity 10 11 12 13 14 15 16
4/20/2011 2:45:23 PM System Status Office Building/Second Floor/West 1 Dining Area/DINING AREA 2 SOLAR SHADE 2 sent to 45 %	Building Manager Activity 24 25 26 27 28 20 20
4/20/2011 2:45:23 PM System Status Office Building/Second Floor/West 1 Dining Area/DINING AREA 2 SOLAR SHADE 1 sent to 45 %	✓ Status Activity 1 2 3 4 5 6 7
4/20/2011 2:40:23 PM System Status Office Building\Second Floor\West 2 Diring Area (Demo Area)\DINING AREA 3 SOLAR SHADE 2 sent to 45 %	Today: 4/20/2011
4/20/2011 2:40:23 PM System Status Office Building/Second Floor/West 2 Dining Area (Demo Area)/DINING AREA 3 SOLAR SHADE 1 sent to 45 %	
4/20/2011 2:30:26 PM System Status Office Building/Second Floar/North West Dining Area/DINING AREA 1 SOLAR SHADE 1 sent to 50 %	
4/20/2011 2:30:26 PM System Status Office Building/Second Floor/North West Dining Area/DINING AREA 1 SOLAR SHADE 2 sent to 50 %	
4/20/2011 2:30:26 PM System Status Office Building/Second Floor/West 1 Dining Area/DINING AREA 2 SOLAR SHADE 2 text to 50 %	
4/20/2011 2:30:26 PM System Status: Diffice Building/Second Floor/West 1 Dining Area/DINING AREA 2 SOLAR SHADE 1 sent to 50 %	
4/20/2011 2:20:26 PM System Status Office Building/Second Floor/West 2 Dining Area (Demo Area)/DINING AREA 3 SOLAR SHADE 1 sent to 52 %	
4/20/2011 2:20:25 PM System Status: Office Building/Second Floor/West 2 Dining Area (Demo Area)/DINING AREA 3 SOLAR SHADE 2 sent to 52 %	
4/20/2011 215 28 PM System Status [Office Building/Second RoarWorth West Dring Area/DINING AREA 1 SOLAR SHADE 1 sent to 55 %	Apply Cancel
4/20/2011 215 28 FM System Status: Diffice Building/Second Floor/Morth Vest Dining Area/DINING AREA 1 SULAR SHADE 2 sent to 55 %	
4/2/2/11 215/26 PM System Status Uthore Building/Second Hoor/West 1 Dring Area/UtilNIN AFEA 25 ULAS 4 SHADE 2 sent to bit %	
er/202011-213.20 FM - system solars: unice buildings second HoorWest 10 Jung AreaUniting Arbita 2 SULPH STALE: 1 err to 35 % constraints and arbita	
4/2/2/11/2/11/2/11/2/11/2/11/2/11/2/	
ACCUT 2016011 - OVER DIL Operation Discourse Under Auflichen Leitz (2017) - De Contraction De Contractione De Contraction	
ACCOUNT ACTION OF A DECEMBER OF A DECEM	
]
Logged in Users admin	Logged in Time: Wednesday, April 20, 2011 3:29:06 PM

System Activity Report - "What activity occurred in [selected areas] over [time period]?"

This report gives a list of activity that has happened in the Quantum[®] system (or in specified areas) over a given period of time. The report will display all events of the specified types that happened in the specified areas within the specified date range. Activity filters are as follows:

- Occupant Activity: Areas going occupied/unoccupied; wall controls being pressed
- Time Clock Activity: Time Clock events being executed
- Building Manager Activity: Q-Admin™ activity, including login/logout, and real-time changes to the lighting system
- Status Activity: Zone level changes, area scene changes, etc.
- Device Failure Activity: Devices becoming unresponsive
- Lamp Failure Activity: Lamp failures reported by EcoSystem_®/DALI ballasts
- Sensor Activity: Occupancy sensor state changes (occupied and unoccupied)
- Ballast Failure/Auto Replacement Activity: When ballast failures have occurred or when new ballasts have been installed and auto-replaced
- System Errors: Error codes reported by the system
- BACnet Activity: Lights, shades, and other system objects changed through BACnet

Create a System Activity Report

- 1. Select one or more areas by using the Click here to select Areas... link.
- 2. Choose the time span for which to display activity by using the **over the...** drop-down menu. If selecting **Custom**, specify the start date and end date.
- 3. Select the desired activity types to show by clicking the checkboxes under Filter Events.
- 4. Click Apply.



© Q-Admin	
Pontrol & Manifordina Danaste Cadministration	Language - English (United States)
_ new [Upen] (view	U
Lighting Power Usage Report 022 X Lighting Power Trend Comparison Report 008 X Lamp Maintenance Report 013 X System Activity Report 036 X Diagnostics Report 014 X 4	🚯 🖌 🖓 Save As 🔒 Save 🎒 Print 🚺 Export
Diagnostics Report 014	Diagnostics Report
Report Generated on: Wednesday, April 20, 2011 3:52:08 PM	
System Device Name Type Status	For devices in the following areas
Cafe Office Building/Second Roa/Nivate Offices/121A - Private Office	
Cafe Office Building/Second Floor/Private Offices/121A - Private Offices/14/XITCHEN DOOR (Serial # 0030043A) QS Keypad (QS 2-8utton Walistation, inset) Unknown	Click here to select Areas
	Areas Office Building\Second Floor\Private Offices\Private Office. Office Building\Second Floor\Private Offices\Private Office. Show devices with status: Unknown Unknown Not in Database ork
ogged in User: admin	Logged in Time: Wednesday, April 20, 2011 3:29:06 PM

Diagnostics Report - "What devices are currently not responding and need attention?"

The Diagnostics Report displays the same information found in the Diagnostics screen. Devices (e.g., keypads, shades, power panels) are listed with their current statuses (unknown, not responding, not in database, or OK).

Create a Diagnostics Report

- 1. Select one or more areas by using the Click here to select Areas... link.
- 2. Select the desired status types to show by clicking the checkboxes under Show devices with status...
- 3. Click Apply.



Reports: Sensor Connection Report



Sensor Connection Report — "What sensors are not properly connected?"

This report shows the status of wired sensors (occupancy, IR, and photo), as unknown, not connected, not in database, or connected.

Create a Sensor Connection Report

- 1. Select one or more areas by using the Click here to select Areas... link.
- 2. Select the desired status types to show by clicking the checkboxes under Show Sensor whose Status is...
- 3. Click Apply.



Reports: DALI Emergency Units Report



DALI Emergency Units Report

The DALI Emergency Units Report allows the user to view, export, and print the status of DALI emergency units.

Create a DALI Emergency Units Report

- 1. Select one or more areas by choosing the Click here to select Areas... link.
- 2. Select the desired status types to show by clicking the checkboxes under Show devices with status...
- 3. Click Apply.



HyperionTM Solar Clock Modification: Overview

🕤 Q-Admin		-							_ 0 <u>_ x</u> _
						Langu	age - English (United Sta	es)	UTRON
👌 Control & Monitoring 🔛 Rep	por	ts 🔜 Adn	nini	stration					
≽ Control 👌 Occupancy 💠	Da	ylighting	•	Time Clock Upperion Solar Clock	E Load Shedding I Diagnostics				0
		Area: Office	Bu	lding\Second Floor\Open Office Areas\Open	Office North (Enabled)	•			
Go To Today	1	Monday, M	ay :	30, 2011			I want to:		
< May 2011 >		Expand All					View settings		
S M T W T F S		Collapse A	<u> </u>				Satur Hyperi		
		5:35 AM	Θ	Hyperion Event 1			Jetup Hyperia		
15 16 17 18 19 20 21				Sunscreen	11 %		Test Hyperior	Events	
22 23 24 25 26 27 28		6:35 AM	Θ	Hyperion Event 2			C Enable/Disab	e Hyperion	
29 30 31				Sunscreen	31 %		Review Locat	on Settings	
		7:35 AM		Hyperion Event 3					
				Sunscreen	88 %		View the Hyperion in the grid at the l	events for t	he selected area
		8:35 AM		Hyperion Event 4	100.0				
				Hyperion Event 5	100 %		Hyperion settings	for selected	area:
		5:35 PM	1	Superreen	73 %		Work surface heig	nt: 40	in.
			Θ	Hyperion Event 6	75 %		Max sunlight	60	in.
		6:35 PM		Sunscreen	11 %		penetration:	60	
			-				movements:	60	min.
	•					•	•		
Logged in User: admin	_					Logge	d in Time: Thursday	March 24	2011 5:50:48 PM

Overview

The HyperionTM system is an automated shading system that adjusts Sivoia[®] QS shades throughout the day based on the sun's position. The shades reduce glare and solar heat gain in the space, creating a comfortable and productive work or learning environment. The HyperionTM system maximizes the amount of available daylight entering a space, enhancing the energy-saving potential of daylight-harvesting lighting systems, and can also reduce energy costs associated with HVAC systems.

Screen Layout

The HyperionTM Solar Clock screen allows the user to view and test the HyperionTM system schedule for any area, enable/disable the HyperionTM Solar Clock, and to configure HyperionTM settings.

The screen layout is similar to the Time Clock screen: On the left, a calendar is used to select different days. In the middle is a full list of Hyperion™ Solar Clock events scheduled for that day which displays when shades move and to what level they move. In the right pane, radio buttons are used to view settings, set up the Hyperion™ system, test Hyperion™ events, enable/disable Hyperion™ events, and review location settings.



View Current HyperionTM Solar Clock Override Settings

Select the Show Hyperion TM Override Settings check box under the date selected.

If Radio Window Sensors are being used in the current area selected, a window will appear displaying the current settings. Each shade group is displayed with the sensor name, reading, status, and shade position. Selecting each shade group will display the Hyperion™ Solar Clock override settings for that group. These settings can be set by using the Setup Wizard.

Status descriptions

- Sunny: The shade group is currently being controlled by the Hyperion system and is not in an override state.
- Bright: The shade group is currently in *Bright* override.
- Dark: The shade group is currently in *Dark* override.
- --: The status of the sensor is unknown.
- Not affected by Hyperion_{TM}: This shade group is not configured to be controlled by the Hyperion_{TM} system.



N Q-Admin		-					
					Lanc	juac	e - English (United States)
Control & Monitoring	por	ts Adm	ini	tration			
Control A Occupancy 💠	Da	ylighting	• ·	me Clock Hyperion Solar Clock 🗈 Load Shedding	Diagnostics		0
		0.	Der		-		-
		Area: Office	BU	sing Second Floor Open Office Areas Open Office North (Enabled)	•		
<u>Go To Today</u>		Monday, M	ay :	0, 2011			I want to:
< May 2011 >		Expand All Collapse Al					View settings
1 2 3 4 5 6 7			Θ	Hyperion Event 1			Setup Hyperion
8 9 10 11 12 13 14		5:35 AM		Sunscreen 11	%		Test Hyperion Events
22 23 24 25 26 27 28		6-25 AM	Θ	Hyperion Event 2			© Enable/Disable Hyperion
29 30 31		0.33 AM		Sunscreen 31	%		© Review Location Settings
		7:35 AM	Θ	Hyperion Event 3			
				Sunscreen 88	%		Testing Hyperion events allows you to simulate
		8:35 AM	Θ	Hyperion Event 4			confirm that it controls the correct shade
				Sunscreen 10	0 %		group(s) in the expected manner.
		5:35 PM	Θ	Hyperion Event 5			Select the desired Hyperion event at left and click on 'Test Hyperion Event'.
				Sunscreen 73	%		
		6:35 PM			~		
				Sunscreen 11	%		
	∢					▶	
						l	
Logged in User: admin					Logg	jed	in Time: Thursday, March 24, 2011 5:50:48 PM

View Hyperion[™] Schedules

- 1. Select View settings on the right side of the Hyperion screen.
- 2. Select an area in the area drop-down.
- 3. Select a day from the calendar on the left (by default, the current day is selected).

All of the Hyperion™ events for the selected day will be listed in the middle pane. Click a different day on the left to view that day's Hyperion™ events. Click **Expand All** or click the + to show details of all Hyperion™ shade movements scheduled for that day.

Test a Hyperion™ Event

Testing HyperionTM events allows the user to simulate the selected HyperionTM event live to confirm that it controls the correct shade group(s) in the expected manner.

- 1. Choose the Test Hyperion TM Events in the right pane.
- 2. Select an area in the area drop-down.
- **3.** Click the Hyperion™ event you want to test.
- 4. Click Test Hyperion™ Event. The shades in the selected area will go to the levels defined in the Hyperion™ event.



🛐 Q-Admin		-					
					<u>La</u>	nqua	
Control & Monitoring	port	ts 🗟 Adn	nini	stration			
Control L & Occupancy L 🔅	Da	vliahtina I		ime Clock Hyperion Solar Clock Stoad Shedding	Diagnostics		٩
· ····· · · · · · · · · · · · · · · ·			-	, 9		2	
	_	Area: Office	Bui	ding\Second Floor\Open Office Areas\Open Office North (Enabled)	•		
<u>Go To Today</u>		Monday, M	ay 3	0, 2011			I want to:
< May 2011 >		Expand All Collapse Al					○ View settings
S M T W T F S 1 2 3 4 5 6 7			Ie	Hyperion Event 1		ור	Setup Hyperion
8 9 10 11 12 13 14		5:35 AM	—	Sunscreen	11 %		Test Hyperion Events
15 16 17 18 19 20 21 22 23 24 25 26 27 28			Θ	Hyperion Event 2		1	Enable/Disable Hyperion
29 30 31		6:35 AM		Sunscreen	31 %		Review Location Settings
		7.05.44	Θ	Hyperion Event 3		1	
		7:35 AM		Sunscreen	88 %		Hyperion is currently:
		8-35 AM	Θ	Hyperion Event 4			Enabled
		0.00 AN		Sunscreen	100 %		© Enable
		5:35 PM	Θ	Hyperion Event 5			Oisable Until End of Hyperion Schedule
				Sunscreen	73 %		Oisable indefinitely
		6:35 PM	Θ	Hyperion Event 6			Apply to current area
				Sunscreen	11 %		
							Apply to all areas
	•					Þ	
Langed in Users admin	1						is Times Thursday, March 24, 2014 First 42, 21
Logged in User: admin					Log	gged	in Time: Thursday, March 24, 2011 5:50:48 PM

Enable/Disable Hyperion

- 1. Choose Enable/Disable Hyperion_{TM} in the right pane.
- 2. Select an area in the Area drop-down menu.
- 3. Select whether you want to enable a Hyperion™ event, disable a Hyperion™ event until the end of day, or disable the Hyperion™ system until it is manually re-enabled.
- 4. Click Apply to current area to enable/disable only the selected area's Hyperion™ schedule, or Apply to all areas to enable/disable the Hyperion™ system for the entire project.

Shades controlled by the HyperionTM system can also be controlled manually. Anytime a HyperionTM system-controlled shade moves due to manual control, the HyperionTM schedule is overridden temporarily.

The Hyperion[™] solar clock can also be enabled and disabled through the system (e.g., through keypad button presses, CCI toggle switches, Time Clock events, or sequences).





Set Up HyperionTM

To configure the HyperionTM Solar Clock, select **Setup HyperionTM** in the right pane, and click **Launch HyperionTM Wizard**. The HyperionTM Wizard can be used to configure the HyperionTM system in multiple areas.

Hyperion Wizard Step 1: Overview and Defaults

- Set system-wide defaults for the Hyperion™ Solar Clock. This is a quick way to change the settings for all areas that use the defaults.
 - Work surface height and Maximum sunlight penetration define how far into the space direct sunlight will be allowed to penetrate. The Hyperion™ Solar Clock will continually adjust shades to ensure that direct sunlight does not exceed the maximum sunlight penetration depth at the work surface height.
 - *Minimum time between shade movements* defines how often the Hyperion™ Solar Clock moves shades automatically. To minimize distractions, the time between movements defaults to 30 minutes.
 - The Hyperion™ Solar Clock provides two options for shades levels: option 1 is Any Levels (the shades will move anywhere between 0–100%) and option 2 is Preset Levels (the shades move to specified levels). The default is set to Any Levels.





Hyperion™ Wizard Step 2: Facing Directions

• Specify the different facing directions present in your building(s).

These are the various different compass orientations of any sides of your building(s) that will have shades controlled by the HyperionTM Solar Clock. Facing directions are used to determine how far the sun will penetrate into an area during any given time of a particular day. It is important to measure facing directions correctly because all HyperionTM shade movements will be based on these directions. For best results, be sure to measure your facing directions using true north rather than magnetic north.



🖀 Q-Admin						_ 🗆 🗵
					Language - English (United States)	
🔭 Control & Monitoring (6) 🔝 Report	s Administration					
≽ Control 🔏 Occupancy 💠 Dayligi	hting 🕭 Hyperion Solar Clock	🗈 Load Shedding y^x Variables	$ ~~\bigcirc~$ Lamp Settings $~ ~~^{\Lambda}\!$! Alerts (6)		0
Hyperion Wizard						
Step 1: Overview and Defaults	Select window type to edit:					
Step 2: Facing Directions	2nd - 3rd Floor Window	 Add New 	Delete			
Step 3: Window Types						
Step 4: Area Setup	Define number of presets for the wind	ow type: 🗕 3 🕂				
Step 5: Nighttime Settings	Preset Name	Height Above Floor (in)	Height Above Floor (%)			
Step 6: Manual Override Settings	Open	106	100			
Step 7: Shadow / Cloudy Day	Close Preset 001	33 87.75	75			
Stop 8: Brightnoss Override	Preset 002	69.5	50 💌			
Commissioning	Preset 003	51.25	25 💌			
Step 9: Shade Alignment						
	End of day presets:					
	Blackout Open	▼ Shee	er Open 🔻			
	, .	_				
	Shade groups that use the selected w	indow type:				Shade Open
						Height
	CB4		<u> </u>	Shade Closed	{	
	😑 🔽 🦏 Shade Test Open A	ea		Height)
	- 🗖 📜 Bay 1 Sheer					
	- 🔽 📜 Bay 1 Blackout		_			
	- 🔽 📜 Bay 2 Blackout					
	😑 🔽 🦿 System Test North					
	- 🔽 📜 Bay 8 Sheer					
	□ I System Test South					
	- 🗖 📜 Bay 3 Sheer					
	Bay 3 Blackout Bay 4 Sheer					
	- 🔽 📜 Bay 4 Blackout					
	Ray 5 Sheer		×			
Click on Next to advance to the next step.					< Back Next >	Save and Close Wizard

Hyperion TM Wizard Step 3: Window Types

To calculate how much light will penetrate into each space, you'll need to know the size of each window and its relative position from the floor. For most buildings, a few window sizes and positions are used; we call these "window types".

- Enter in the window types (size and relative position from the floor) that will be used for the Hyperion™ system-controlled spaces.
 - Define Number of Presets for the Window Type: Defines the number of Preset stopping points between *Open* and *Close*.
 - Shade Close Height: Distance from the finished floor to the bottom of the shade hem bar at its closed limit.
 - Shade Open Height: Distance from the finished floor to the bottom of the shade hem bar at its open limit.
 - End of Day Presets: Defines where the sheer and blackout shades for each window type should go at the end of the day. The default is set to "Open".
 - Shade Groups that use the Selected Window Type: For each window type defined, select the shade groups that apply to that window type.



🕄 0-Admin							- 0 ×
					Language - English ((United States)	
Control & Monitoring (6)							
Control & Plointornig (6)	Auministration						
Control A Occupancy I Dayligh	ting 🕙 Hyperion Solar Clock 🔊 Load Shedding	y ^x Variables 🤇	γ Lamp Settings ∣ -γ- Di	agnostics ! Alerts (6)			
Hyperion Wizard							
Step 1: Overview and Defaults		Areas with Shao	les			Facing Dir	ection
Step 2: Facing Directions	😑 📶 CB4	/// 000 /// 0//01				ruenig bir	
Step 3: Window Types	E Club Tech Cont						
Step 4: Area Setup	Shade Test Open Area				South Facade		
Step 5: Nighttime Settings	System Test South				South Facade		
Stop 5: Manual Override Settings	C Shade Testing Room				North Facade		
Step 0. Manual Overnue Settings	🐔 RF Cage				West Facade		
Override Commissioning	G 3rd Floor Ath Floor						
Step 8: Brightness Override	• • • • • • • • • • • • • • • • • • •						
Commissioning							
Step 9: Shade Alignment							
	Selected Area:CB4\2nd Floor\System Test North						Hide Details
	Shade Group			Facing Direction		Viso	r Position (%)
	Bay 8 Sheer		North Facade				35 🤤
	Bay 9 Sheer		North Facade				35 🜲
	O Use the default Hyperion settings.						
	C Customize the Hyperion settings for this area.						
	Work Surface Height (in.):	30 🤤		Min Time Between Movemer	its (min):	30 🤤	
	Max Sunlight Penetration (in.):	24 🝣		Hyperion will move shades t	0:	Any levels	
Click on 'Next' to advance to the next step.					< Back	Next >	Save and Close Wizard
					DOCK	INSAC 2	Save and close wizeld

Hyperion TM Wizard Step 4: Area Setup

For each area controlled by the Hyperion[™] Solar Clock, choose the appropriate *Facing Direction*. For areas with multiple façades (e.g., a corner office), you can select a different facing direction for each shade group. For each shade group, select the window type that's covered by the shades. Additionally, a visor position can be set for each shade group. The visor position is the maximum open position that shades should achieve during the day. The default visor position is full open (100%). A visor position helps to reduce glare from other indirect light sources (e.g., a neighboring building).

Change Hyperion™ area settings

- 1. Select each area in the top grid; the bottom grid will be populated with that area's shade groups.
- 2. If a shade group is affected by the Hyperion™ Solar Clock, set the window type, facing direction, and visor position.

By default, the settings from step 1 will be used, but for any area you may choose to use different settings by clicking **Customize the Hyperion**TM settings for this area at the bottom of the screen. This will allow you to choose a work surface height, maximum sunlight penetration, and minimum time between movements specific to that area.



🛜 Q-Admin			_ 🗆 🗙
		Language - English (United States	
🗼 Control & Monitoring (6) 🔝 Report	s Administration		
≽ Control 🔮 Occupancy 💠 Dayligi	hting 🔄 Hyperion Solar Clock 🗈 Load Shedding y× Variables 🖓 Lamp Settings 🌴 Diagnostics 🗜 Alerts (6)		8
Hyperion Wizard			
Step 1: Overview and Defaults			
Step 2: Facing Directions	Nighttime Settings		
Step 3: Window Types	Start of Hyperion Schedule: Specify the time of day (generally in the morning) when Hyperion should become active.		
Step 4: Area Setup	Time: Astronomic		
Step 5: Nighttime Settings	00:15 💌 Before 💌 Sunrise 💌		
Step 6: Manual Override Settings			
Step 7: Shadow / Cloudy Day	End of Hyperion Schedule: Specify the time of day (generally in the evening) when Hyperion should become inactive.		
Override Commissioning	Time: Fixed Time		
Step 8: Brightness Override Commissioning	6 : 00 PM		
Step 9: Shade Alignment			
	When the Hyperion schedule ends, the system should		
	C Open all shades		
	O Close sheers only		
	C Close sheers and open blackouts		
	C Take the shades to end of day presets		
	• Leave the shades as they are		
Click on 'Next' to advance to the next step.			
		< Back Next >	Save and Close Wizard

Hyperion TM Wizard Step 5: Nighttime Settings

Specify when the Hyperion™ schedule will begin and end every day. Outside of these times, Hyperion™ will not move the shades. Times can be set as either fixed times (e.g., 5:35 AM) or as astronomic times (e.g., at sunrise, 30 minutes before sunset, etc.).

• Set a choice of what should happen when the Hyperion™ schedule ends every day: open all shades, close sheers (sunscreens) only, close sheers (sunscreens) and open blackouts, or leave shades unaffected (in which case shades will stay where they are when the Hyperion™ schedule ends).





Hyperion TM Wizard Step 6: Override Settings

Any manual movement of a shade in an area will disable the HyperionTM schedule in an area.

• Select whether to disable the Hyperion™ schedule for a fixed time, for the rest of the day, or when a manual override occurs.



🛜 Q-Admin				
			Lar	nguage - English (United States) 🔅 LUTRON
🗼 Control & Monitoring (6) 🔝 Report	s Administration			
🔈 Control 🥂 Occupancy 🔶 Davlig	hting 🗄 Hyperion Solar Clock 🕤 Load Shedding 🐙 Variables 🔾 L	amp Settings Ar Diagnos	tics ! Alerts (6)	9
Hyperion Wizard				
Step 1: Overview and Defaulte				
Step 1. Overview and Delauits	Show help			
Step 2: Facing Directions	Modify hyperion shadow / cloudy day override settings			C Advanced Settings
Step 3: Window Types	Areas with Shadow Sensor assigned to Shade Group	Enable ?	Dark override position (%) ?	Dark override threshold (fc)?
Step 4: Area Setup	😑 📒 CB4		Mixed	Mixed
Step 5: Nighttime Settings	😑 📒 2nd Floor		85	Office area - Occupants > 6 Ft. From Window (300)
Step 6: Manual Override Settings	System Test North	<u> </u>	85	Office area - Occupants > 6 Ft. From Window (300)
	Bay 8 Sheer		85	Office area - Occupants > 6 Ft. From Window (300)
Override Commissioning	Bay 9 Sheer		85	Office area - Occupants > 6 Ft. From Window (300)
Stop 8: Brightnoss Override	Bay 3 Blackout	<u>v</u>	85	Office area - Occupants > 6 Ft. From Window (300)
Commissioning	Bay 4 Blackout		85	Office area - Occupants > 6 Ft. From Window (300)
Step 0: Shade Alignment	Bay 5 Blackout		85	Office area - Occupants > 6 Ft. From Window (300)
Step 9: Shade Alighment	😑 🏹 RF Cage		85	Office area - Occupants > 6 Ft. From Window (300)
	Bay 6 Blackout		85	Office area - Occupants > 6 Ft. From Window (300)
	Bay 7 Blackout		85	Office area – Occupants > 6 Ft. From Window (300)
			Mixed	Office area - Occupants > 6 Et. From Window (300)
			05	once area - occupants > or a riom window (500)
	Default dark override threshold settings 📀	Detailed sensor informa	tion for ⑦ CB4\2nd Floor	\System Test North
	Common area - Atrium, Hallway, Cafeteria: 450 fc Edit Restore	Shade Group	Sensor	Sensor Reading (fc)
	▼ Office area - Occupants > 6 Ft. From Window: 300 fc Edit Restore	Bay 8 Sheer	CB4\2nd Floor\System Test	North\Bay 8 RSS 452
	▼ Office area - Occupants < 6 Ft. From Window: 200 fc Edit Restore	Bay 9 Sheer	CB4\2nd Floor\System Test	North\Bay 8 RSS 452
Click on 'Next' to advance to the next step.				< Back Next > Save and Close Wizard

Hyperion TM Wizard Step 7: Shadow/Cloudy Day Override Commissioning

This step is applicable only to systems that use the Radio Window Sensor to override the typical Hyperion™ movement. The Shadow/Cloudy Day Override allows you to override the Hyperion™ system setting based on the reading levels of the Radio Window Sensor.

- **Enable** checkbox: Allows you to select specific areas in which to enable or disable the sensor override function.
- Dark Override Position: The position to which the shade raises when the light level drops below the Dark Override Threshold for the Dark Override Delay time. The default is set to "Open" (100%).
- Dark Override Threshold: The sensor light level at which the shade enters Dark Override Position mode. It enters this mode when the light level drops below the Dark Override Threshold for the Dark Override Delay time. The default is set to 300 foot candles.
- Default Dark Override Threshold settings: These default settings can be modified by selecting the *Edit* button or restored to the default by selecting the *Restore* button. There is also an option to enter a custom Dark Threshold setting in the Dark Override Threshold column.



🛜 Q-Admin					_ 🗆 >
				Language - English (United Sta	
Control & Monitoring (6)	s Administration				
control a rionating (o)					
Control A Occupancy Occ	hting 🕙 Hyperion Solar Clock 🔊 Load Shedding 🏸	Variables Q La	mp Settings - Diagnostics	! Alerts (6)	0
Hyperion Wizard					
Step 1: Overview and Defaults	Modify hyperion brightness override settings				Advanced Settings
Step 2: Facing Directions	Areas with Brightness Sensor assigned to Shade Group	En	able ⑦ Bright override position (9	%) ⑦ Bright override threshold	(fc)?
Step 3: Window Types	🖃 📒 CB4		Mixed	Mixed	
Char A. Arra Cabus	😑 [2nd Floor		0	Office area - Occupants	< 6 Ft. From Window (4500)
Step 4: Area Setup	🗉 🍯 System Test North		0	Office area – Occupants	< 6 Ft. From Window (4500)
Step 5: Nighttime Settings	📜 Bay 8 Sheer		0	Office area - Occupants	< 6 Ft. From Window (4500)
Stop 6: Manual Overside Settings	📜 Bay 9 Sheer		0	Office area - Occupants	< 6 Ft. From Window (4500)
Step 0. Manual Overnue Settings	😑 😴 System Test South		0	Office area – Occupants	< 6 Ft. From Window (4500)
Step 7: Shadow / Cloudy Day	📜 Bay 3 Blackout		0	Office area – Occupants	< 6 Ft. From Window (4500)
Override Commissioning	📒 Bay 4 Blackout		0	Office area – Occupants	< 6 Ft. From Window (4500)
Step 8: Brightness Override	📒 Bay 5 Blackout	V	0	Office area – Occupants	< 6 Ft. From Window (4500)
Commissioning	😑 🌠 RF Cage		0	Office area – Occupants	< 6 Ft. From Window (4500)
	📒 Bay 6 Blackout		0	Office area – Occupants	< 6 Ft. From Window (4500)
Step 9: Shade Alignment	📒 Bay 7 Blackout		0	Office area – Occupants	< 6 Ft. From Window (4500)
	🕀 📒 3rd Floor	V	Mixed	Mixed	
	🕀 🃒 4th Floor		0	Office area - Occupants	< 6 Ft. From Window (4500)
	Default bright override threshold settings ⑦		Detailed sensor information	for ⑦ CB4\2nd Floor\Syst	tem Test North
	Common area - Atrium, Hallway, Cafeteria: 6500	fc Edit Restore	Shade Group Sensor		Sensor Reading (fc)
	▼ Office area - Occupants > 6 Ft. From Window: 6000	fc <u>Edit</u> <u>Restore</u>	Bay 8 Sheer\System	n Test North\Bay 8 RSS	567
	▼ Office area - Occupants < 6 Ft. From Window: 4500	fc <u>Edit</u> <u>Restore</u>	Bay 9 Sheer\System	n Test North\Bay 8 RSS	567
Click on 'Next' to advance to the next step.				< Back Next >	Save and Close Wizard

Hyperion TM Wizard Step 8: Brightness Override Commissioning

This step is applicable only to systems that use the Radio Window Sensor to override the typical Hyperion™ movement. The Brightness Override allows you to override the Hyperion™ system setting based on the reading levels of the Radio Window Sensor. This setting is disabled by default on systems that have a Radio Window Sensor.

- **Enable** checkbox: Allows you to select specific areas in which to enable or disable the sensor override function.
- Bright Override Position: The position to which the shade lowers when the light level exceeds the Bright Override Threshold. The default is set to "Close" (0%).
- Bright Override Threshold: The sensor light level at which the shade enters Bright Override Position mode. It enters this mode when the light level exceeds the Bright Override Threshold. The default is set to 5000 foot candles.
- Default Bright Override Threshold settings: These default settings can be modified by selecting the *Edit* button or restored to the default by selecting the *Restore* button. There is also an option to enter a custom Bright Threshold setting in the Bright Override Threshold column.





Hyperion TM Wizard Step 9: Shade Alignment

This step allows you to modify how the Radio Window Sensor is grouped with other sensors. Depending on your project's objectives, there are three options for grouping the Radio Window Sensors. The default settings are *Smart Adaptive* for new projects and *Independent* for database conversions from Quantum_® system versions older than 3.0.

- Smart Adaptive Grouping: Sensors are grouped to achieve a balance between shade alignment and daylight autonomy. This method of grouping should be the primary one used on most jobs because it provides the best balance.
- Always Aligned: Sensors are grouped for best appearance and shade alignment. This method of grouping should be used only when shade alignment is required.
- Independent: Sensors are not grouped together. This method of grouping should be used only where shade alignment is not a priority (e.g., when the whole interior is divided into smaller sections, such as private offices) or on jobs that are upgraded from versions below Quantum_® 3.0. This grouping method is the best option for daylight harvesting.

Complete the Hyperion™ Solar Clock Setup

Save and Close Wizard will save the HyperionTM Solar Clock schedule to the live database and transfer the information to all processors in the system. To save changes to disk, see the *Backup* section under the *Administration* tab.

Once you're finished, view and test the new schedule. If any changes are required, revisit the Hyperion™ Wizard and tweak any settings as desired.



Ballast Replacement

😋 Q-Admin					
				Lang	uage - English (United States)
Control & Monitoring					
> Control & Occupancy > Daylighting > Timeclock 🕙 Hyperion Solar Clock	🖲 Load Shedding 🎤 V	/ariables 🎖 Lamp Settings 🅂 Dia	gnostics] Alerts		0
The system has detected one or more problems.				4	Anti-
The system will particularly refresh the state of all items displayed in the grid. To refresh the s	tatus of an itom manually	right disk on the item and calent refe	ach.		TY Diagnostics
The system will periodically renear the state of an items displayed in the grid. To renear the s	status of an item manually	, right click on the item and select rem	591		I want to:
Show Devices with Status:					View Diagnostics
V OK 🔄 🕑 Unknown 💟 🗴 Not in Database" 💟 🤡 Not Responding					Replace a Ballast
Expand All					
Show Area Numbers			Show Report Customize Columns		Steps to Replace a Ballast:
Device	Device Type	Firmware Available	Current/Available Rev	-11	
Processor System 001	Processor Panel				1. Generate a diagnostics report for
New Project\Floor 1\Electrical Room\LMH 1-1	Processor				areas needing replacements.
□ ▲ Link A (QS)					Launch Diagnostics Report
ESN Eco					
New Project\Floor 1\Electrical Room\ESN 1-1-A-1 (Serial # 00720935)	ESN Eco		0.6.18/0.6.18		2. Turn power off and install new
□ A Loop 1 (Digital Ballast Link)				_	replacement ballasts.
 Pevice that is responding does not appear in database. A device somewhere below this device has a problem. 		🔐 = New firmward	s available for this device		ballasts are powered.
Logged in User: admin				Log	ged in Time: Monday, March 04, 2013 2:37:53 PM

Log into Q-Admin_{TM}

- 1. Go to the Control and Monitoring tab.
- 2. Click on the **Diagnostics** tab.
- 3. In the right hand pane, select the radio button Replace a Ballast; click Launch Ballast Replacement Wizard.



Ballast Replacement

🔂 Q-Admin			
			Language - English (United States) 🖑 LUTRON
👌 Control & Monitoring 🔝 Reports 🛛 🖓 Adr	ministration		
> Control 🖉 Occupancy 💠 Daylighting	\odot Timeclock $$ Hyperion Solar Clock $$ Load Shedding y^{x} Variables $$	Lamp Settings Arr Diagnostics Alerts	0
Replace a Ballast			
Replace a Ballast Step 1: Select Ballast Step 2: Replace Ballast 	Select Ballast . Suect the area where the ballast being replaced is located: . The Project/Floor 1 Private Offices 1Private Offices 1 . The Project Floor 1 . The Project Floor 1 . The Private Offices 110 . The Private Offices 110	Nert of this ballast.	
Return to Diagnostics Screen			Next > Finish
Logged in User: admin			Logged in Time: Monday, March 04, 2013 2:37:53 PM

- 4. Select the area in which the ballast that is being replaced is located.
- 5. Verify that the correct faulty ballast is being reported as Not Responding.
- 6. Replace the faulty ballast with a working ballast.
- 7. Click Next.
- 8. When asked, select Yes to answer the prompt.



Ballast Replacement



9. Follow the directions on the Replace Ballast screen to address the newly-replaced ballast.







Sensor Replacement





To determine the database area to which your wireless device corresponds, open your most recent database.

Open the database file

- 1. Open the Q-Design M Shortcut in the Quantum® system folder.
 - a. If you receive the warning, "Either Q-Runtime or Q-Admin is already running on this machine. This application will be forced to run in offline mode", you must first close **LutronServiceManager** before you can open **Q-Design**_{TM}.
 - b. To close LutronServiceManager, locate it in your system tray (next to the system clock) and double-click to open it. Once it's open, use the keyboard shortcut Ctrl-Shift-F7 to close the program. When it's closed, open Q-Design™ again.
- 2. Select File > Open Current Q-AdminTM File.



Sensor Replacement

activated o	ow only unacti					-		The cont Kepo
activated c	ow only unacti			✓ transfer	A sensors	activate	program	lesign
s		Show						Selected QSM:
	Status	Serial #	θ		Devices	1)	M Yellow 2C (1-3-B-11	• Yellow 2C • Q
	Good	0071D155		oor + Yellow Quad + Yellow 2C + RF Occupancy (1-1-B-3-1)	CB5 + 2nd Flo			
	Good	00BE6F94		oor + Yellow Quad + Yellow 2A + RF Occupancy Sensor (1-4-B-6-1)	CB5 + 2nd Flo			
	Good	00C089D9		oor 🕨 Yellow Quad 🕨 Yellow 2C 🕨 RF Photo Sensor (1-1-B-3-11)	CB5 + 2nd Flo			
	Good	00BE670E		oor 🕨 Yellow Quad 🕨 Yellow 2A 🕨 RF Photo Sensor (1-4-B-6-11)	CB5 + 2nd Flo			
	Good	00C057DA		oor + Yellow Quad + Yellow 2B + Yellow 3B + RF Shadow Sensor (1-2-B-23-13)	CB5 + 2nd Flo			
	Good	009CCC86		oor 🕨 Yellow Quad 🕨 Yellow 2A 🕨 Blackout (1-4-B-6-23)	CB5 + 2nd Flo			
	Good	009CCC5C		oor 🕨 Yellow Quad 🕨 Yellow 2A 🕨 Sheers (1-4-B-6-22)	CB5 + 2nd Flo			
	Good	009EA3BE		oor + Yellow Quad + Yellow 2A + Lights (1-4-B-6-21)	CB5 + 2nd Flo			
	Good	009EBB79		oor + Yellow Quad + Yellow 2C + Wall Mounted Blackout (1-3-B-11-24)	CB5 + 2nd Flo			
	Good	009D23AD		oor > Yellow Quad > Yellow 2C > Wall Mounted Sheer (1-3-B-11-25)	CB5 + 2nd Flo			
	Good	009EBD04		oor 🕨 Yellow Quad 🕨 Yellow 2C 🕨 Desk Blackout (1-3-B-11-26)	CB5 + 2nd Flo			
	Good	009D23B0		oor 🕨 Yellow Quad 🕨 Yellow 2C 🕨 Desk Sheer (1-3-B-11-27)	CB5 + 2nd Flo			_
	Good	009E5CD4		oor 🕨 Yellow Quad 🕨 Yellow 2C 🕨 Lights (1-3-B-11-28)	CB5 + 2nd Flo		Start Activation	
	Good	009D23C6		oor + Yellow Quad + Yellow 2C + Project Screen (1-3-B-11-29)	CB5 + 2nd Flo			
	Good	12345678		oor + Yellow Quad + Yellow 2A + Projection Screen 2B Pico (1-4-B-6-24)	CB5 + 2nd Flo			
boi box box box box	Go Go Go Go	009D23AD 009EBD04 009D23B0 009E5CD4 009D23C6 12345678		oor + Yellow Quad + Yellow 2C + Wall Mounted Sheer (1-3-B-11-25) oor + Yellow Quad + Yellow 2C + Desk Blackout (1-3-B-11-26) oor + Yellow Quad + Yellow 2C + Desk Sheer (1-3-B-11-27) oor + Yellow Quad + Yellow 2C + Lights (1-3-B-11-28) oor + Yellow Quad + Yellow 2C + Project Screen (1-3-B-11-29) oor + Yellow Quad + Yellow 2A + Projection Screen 2B Pico (1-4-B-6-24)	CBS + 2nd Fid CBS + 2nd Fid	•	Start Activation	

Update the Serial Number

- 1. Go to Activate tab > QSM Sensors.
- 2. Use the drop-down menu to navigate to the area in which your QS Sensor Module (QSM) is located.
- If you cannot locate the QSM or if you don't know the area in which it is located in the database, search through all of the QSMs in the drop-down menu to locate the wireless device.
- **3.** Select the QSM where your wireless device is connected. On the right-hand side you will see the devices and their serial numbers.
- 4. In the list, highlight the wireless device that you wish to replace. Double-click in the Serial # column and type in the serial number of the NEW device and click Enter.
- **5.** On the left-hand side, click **Start Activation** and save the database if prompted. We recommend against overwriting a previous database.
- 6. The NEW device will be activated automatically. Click Exit Activation.
- 7. For the changes to take effect, the database will need to be transferred:
 - a. Go to the Transfer tab
 - b. Select the Processor System on the left-hand side
 - c. Click Start Transfer.



Worldwide Technical and Sales Assistance

If you have questions concerning the installation or operation of this product, call the Lutron_® Technical Support Center.

Please provide the exact model number when calling. Model number can be found on the product packaging. Example: QSE-IO

U.S.A., Canada, and the Caribbean: 1.800.523.9466 Other countries call: +1.610.282.3800 Fax: +1.610.282.1243

Visit us on the web at www.lutron.com

Lutron, Quantum, EcoSystem, Green Glance, Sivoia, Pico, and 💥 are registered trademarks and Q-Admin, Hyperion, Quantum Vue, and Q-Design are trademarks of Lutron Electronics Co., Inc.

Microsoft and Excel are registered trademarks of Microsoft Corporation in the United States and/or other countries.

© 2014 Lutron Electronics Co., Inc.

P/N 040410 Rev. A 11/2014





Lutron Electronics Co., Inc. 7200 Suter Road Coopersburg, PA 18036 USA