Quantum® software highlights

The heart of the Quantum solution is Q-Admin™—a powerful software tool that allows facility managers to manage daylight for maximum energy efficiency, comfort, and productivity. A facility manager can control, configure and monitor any shade in the entire building from a central location.

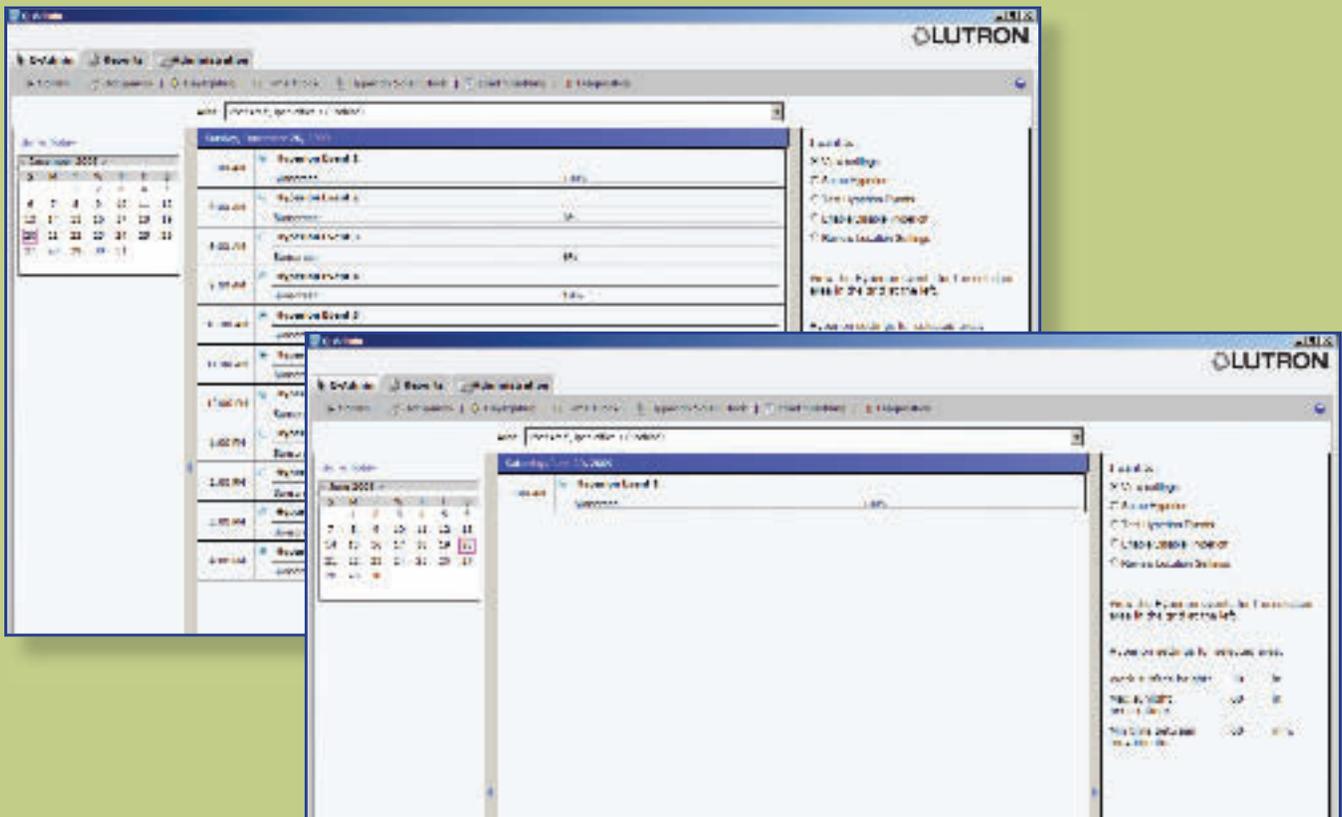The system can be tuned from Q-Admin to meet the changing needs of any space.

Q-Admin
Control and Monitor View
System manager can control and monitor the shades by each area in a tabular or floorplan view.

For Hyperion™, the daily shade schedules of each area can be viewed to provide information on what is happening in each area throughout the day.

If Hyperion needs to be disabled, it can easily be done by area or for the whole building.

Daily shade schedules

Hyperion automatically generates shade schedules by group. The schedule for each group can be viewed for any day of the year.

Modifying Hyperion™

The configurations for each shade area in Hyperion can be easily tuned by building management. As the office floorplan changes, Hyperion can be quickly modified and will automatically re-calculate the shade schedules for each area.
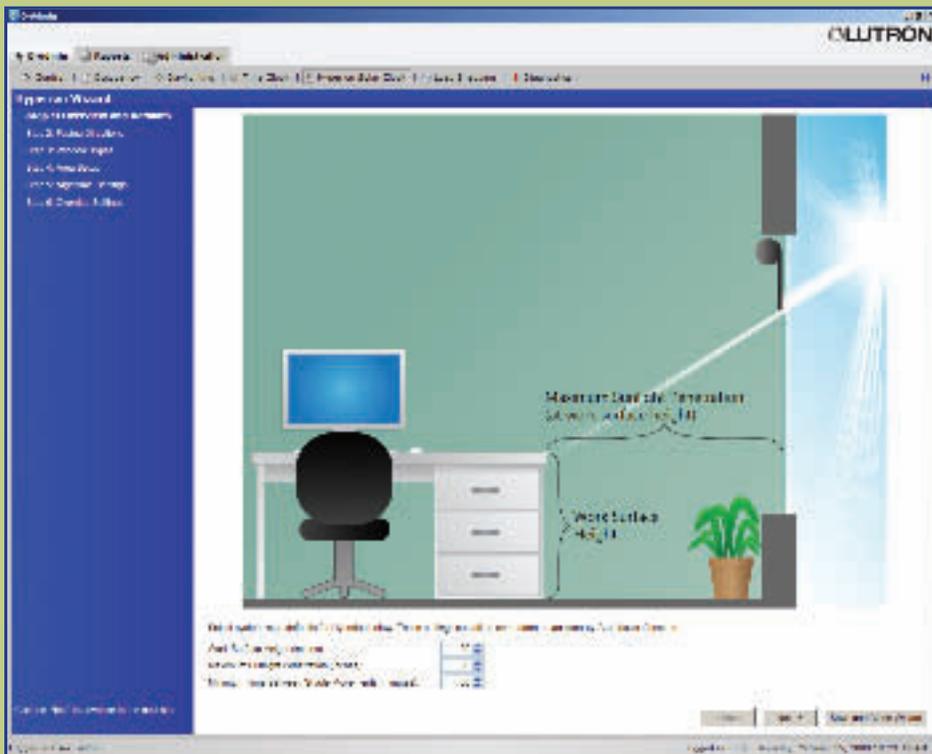
Reporting

Facility managers can improve the maintenance and operation of shading systems. Diagnostic reports can be generated to show the status of each individual keypad and shade motor in the system.

Q-Design

Through the Q-Design software, shades can be reassigned into new groups without rewiring any part of the system. These changes can be made in collaboration with the Lutron® technical team.

Modifying Hyperion

As the office floorplan changes, Hyperion is quickly and easily modified.

Hyperion™ system components

Quantum® components

Sivoia® QS daylight controls

Key components

Hyperion solar-adaptive shading is powered by the Quantum Total Light Management system.

Through Hyperion, Quantum uses Sivoia® QS shades to create a dynamic shading system for the entire building.

The Hyperion shading system is set up, tuned and controlled using Q-Admin™ software.

Quantum's BACnet® capabilities also allow a building automation system to control and monitor the shades.

Electronic Drive Unit (EDU)

Sivoia QS roller shades
- Reduce glare and solar heat gain for increased productivity, comfort, and energy savings while preserving views
- Electronic Drive Unit (EDU) quietly controls shades with ultra-precise alignment

Q-Admin software
- Used on PC to control and monitor Quantum

Quantum hub
- Connects all Quantum system components and powers Hyperion

QS Smart Panel Power Supply
- Provides low voltage power to shades and accessories
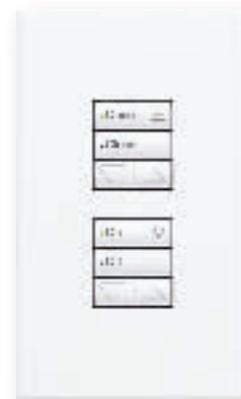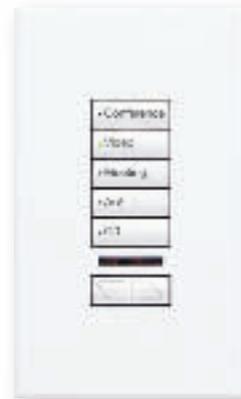
➕ Lutron® fabrics

For reliable daylight control that enhances a room's décor, Lutron provides a superior selection of roller shade fabrics.

Categories:
- **Sheer:** daylight is filtered while preserving view
- **Dim-out:** permits some light, but view is limited to shapes and shadows
- **Blackout:** prevents all light from passing through the material. Combine with side channels, top treatments, and other components for a complete light seal, when necessary.

Fabrics are available for any application and every price range.

➕ seeTouch® QS wall keypads

Wall keypads
- Select a preferred light level for every task, and adjust shades quietly at the touch of a button

Customization through shade fabric

Providing the perfect shading solution
The best control system in the world is only as effective as the fabric it places between the sun and your space.

Shading solutions are available in a wide range of fabric options specifically designed to manage and transform light in various ways. Choosing the correct fabric for your facility will help create a productive, energy-efficient environment.

Shade fabric parameters

Color:
Although it is typically associated with aesthetics, fabric color can also have a significant impact on a shade's performance.

- Dark-colored shade material minimizes glare and preserves views
- Light-colored shade material reflects the sun's heat
- The best of both worlds is a dual-sided fabric that places a dark color towards the interior to maintain views, and a light-colored backing towards the window to reduce solar heat gain

Openness factor:
Openness factor is a percentage indicating how much of a fabric's weave is open to permit light and views to pass into a space. Commercial shading applications typically use a 3% or 5% openness factor fabric, but 1% may be required for particularly intense lighting scenarios.

Glass, like shades, can alter the daylight as it enters a space. Understanding how much visible light and solar energy passes through the glass allows you to choose an appropriate shade fabric.

Shade fabric categories

Fabrics can be grouped into three categories based on their permeability to light.

Sheer fabrics – Openness factors: 1%, 3%, 5%, 10%
Feature an open weave that allows light and views through the shade material.

Dim-out fabrics – Openness factor: <2%
Fabrics that allow less light to penetrate. They provide greater privacy than sheers by limiting views to shapes and shadows or a soft glow throughout the entire shade.

Blackout fabrics – Openness factor: 0%
These fabrics are impervious to light. Typically used in rooms where A/V presentations are given. If required, shades can travel in optional side-channels to create a complete light seal.

Specialty shade fabrics

Dual-sided fabrics:
Silver-backed fabrics are available for applications requiring the maximum protection from solar heat gain by reflecting sunlight. Other dual-sided fabrics are available for reducing typical solar heat gain.

Green fabrics:
By coupling sustainable fabrics with the latest in shading control technology, Lutron® is committed to providing comfortable and sustainable indoor environments.

Some shade fabrics may contain chemicals for durability that impact indoor air quality and our environment. Sustainable fabrics are a growing category that addresses these concerns through third-party certifications. All of our fabrics certified with GREENGUARD® are also certified for Children and Schools – the most stringent certification on the market.