

FINELITE[®]
Better Lighting



Tailored Control System

hool! 😊



CREATING SOLUTIONS for Better Lighting

FineTune® Tailored Control System (**TCS**) is based partially on the results of the DOE funded-research project "Luminaires for Advanced Lighting in Education". Finelite partnered with RTI International in the research and development of the Next Generation Integrated Lighting System for the Classroom of the Future.

Finelite built the classroom, luminaires, and controls while RTI led research and performed accelerated stress testing to verify the system based on the aggressive goals established by the DOE.

The lighting system developed met or exceeded every goal established, including the following:

- Tunable White range of 2,700K to 6,500K with a CRI of 83 or higher at all values
- Full-range dimming at all CCT with flicker values below industry guidelines
- Luminaires in excess of 125 lpw at all CCT values*
- Teacher-focused user interface for layer based control



* Product used in D.O.E study: HPR-A-LED-2X2-SO-8TW and HP2-WW-R-HO-8TW.

FINETUNE TAILORED

Control System

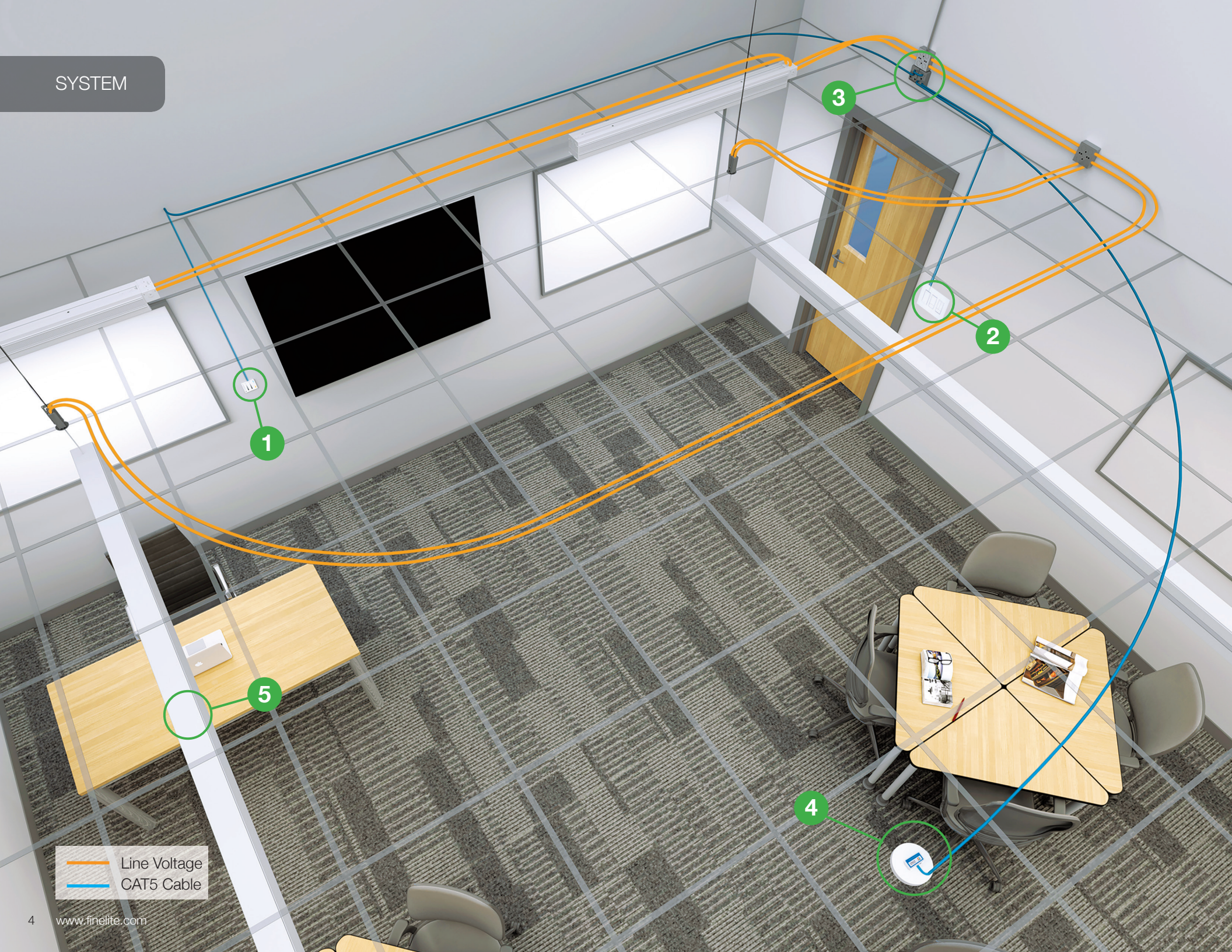
FineTune® TCS is lighting and control designed with user input and validated by research. TCS delivers performance, control, tunability, and simplicity in a complete solution.

FineTune TCS Benefits:

- Scaled system architecture to control project cost and flexible for project size
- Out-of-the-box ready for static white or tunable white luminaires
- Plug-n-play ready and commission free for 0-10V or DMX LED luminaires
- Built in astronomical time clocks for automatic scheduling and reduced energy consumption
- UL924 listed Layer Pack devices to support emergency settings and code requirements
- User friendly control with factory preset scenes
- Single source Finelite warranty for guaranteed support



SYSTEM



— Line Voltage
— CAT5 Cable

SIMPLE, SCALABLE Complete System

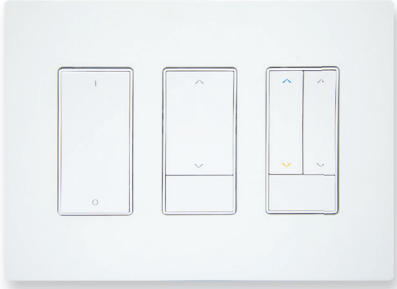
FineTune® TCS features highly robust and easily identifiable components all backed by a single-source Finelite warranty. Using only standard CAT5 cabling provided by Finelite, FineTune TCS plugs together Control Stations, Switches, Layer Packs, Sensors, and LED Luminaires creating a lighting system that is scalable, affordable, and easy-to-install.

1 Control Station



FTCS - CS - TW - S01 - L02 - W

2 Low Voltage Switches



L - PWR / L - DIM / L - Dimmer - TW

3 Layer Packs



0-10V Lighting Controllers

4 Sensors



Occupancy Sensor

5 LED Luminaires



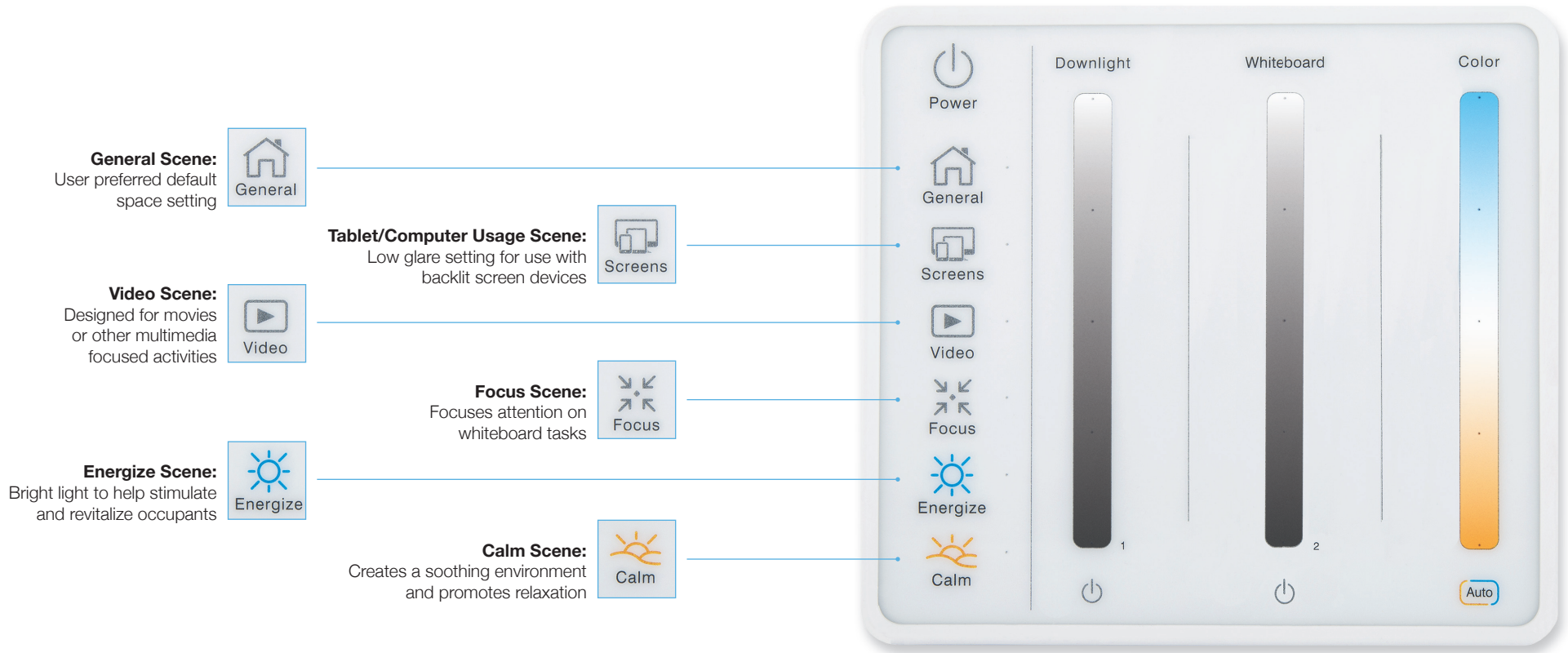
HP-4 Indirect/Direct (shown)

For all compatible luminaires,
see www.finelite.com

Note: Sample system and components shown

A NEW LEVEL OF Layered Control

Equipped with easy-to-understand controls and research driven factory preset scenes that are highly customizable, users gain the ability to put light where it is needed and when it is needed for the task at hand.



0-10V & FMX Layer Packs

The Layer Pack lighting controllers are the interface between the line voltage of the building and the connected low voltage user controls. Each Layer Pack controls a separate “layer of light” and is plug-n-play ready for 0-10V or FMX LED luminaires. Using a BUS system design, the Layer Packs allow for communication amongst all connected devices.



0-10V

- Static White - Dimmable to 1%
- Tunable White - Dimmable to 10%



FMX

- Static White - Dimmable to 1%
- Tunable White - Dimmable to 1%

FMX is a proprietary version of DMX that Finelite utilizes.

LOW VOLTAGE Switches

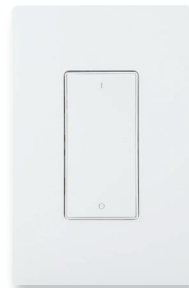
Easily control intensity, color, and on/off functions with a variety of specification grade low voltage Master and Local Dimmer switches.



Local Dimmer + Tunable White



Local Dimmer



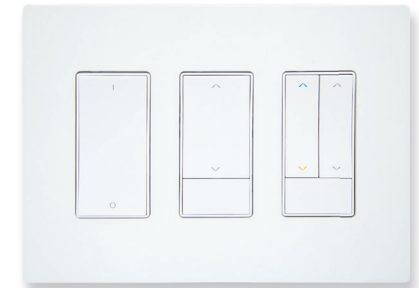
Local Power



Master Power



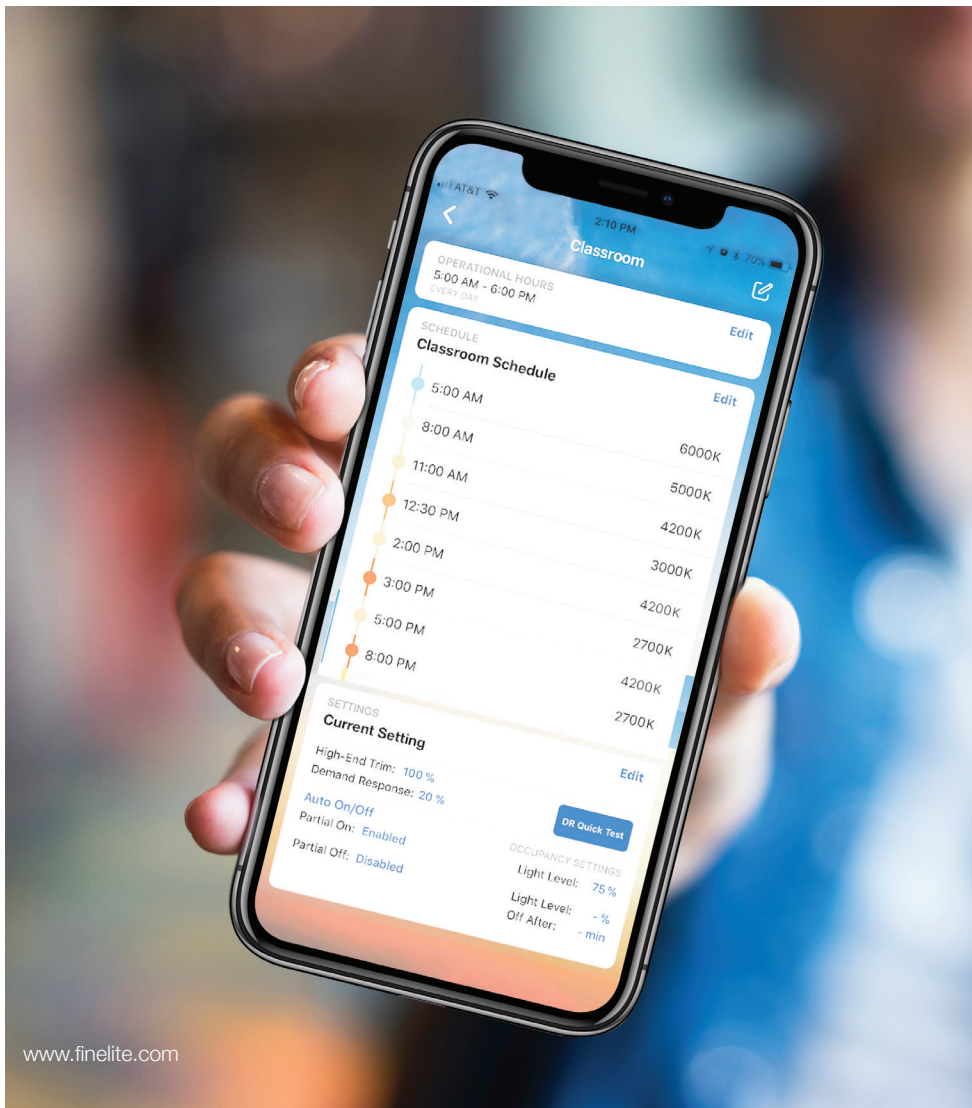
Master Tunable White



3 gangs switches shown: Local On/Off, Local Dimmer, and Local Dimmer + Tunable White

THE POWERFUL Mobile App

For more granular and advanced settings, utilize the FineTune® TCS App.



FineTUNE TCS



iOS



ANDROID
(Coming Soon)



Bluetooth

- Create named spaces
- Schedule hours of operation
- Fine-tune settings, high-end trim, and presets for each space
- Create performance schedules and tunable white transitions
- Supports daylight and wellness schedules
- Copy and repeat space preferences
- Unique password protected

DEFINE YOUR SPACE

Mobile App

To define your space, select from preloaded factory designed schedules or easily create your own custom schedule.

For more information,
download [App Instruction](#)

Daylight Schedule



Factory Designed

Wellness Schedule



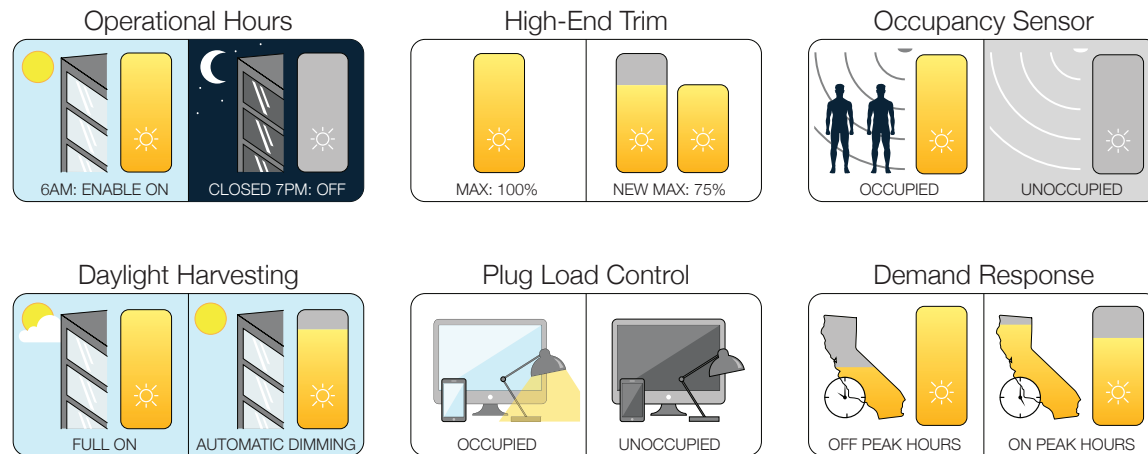
Factory Designed

CODE COMPLIANT by Design

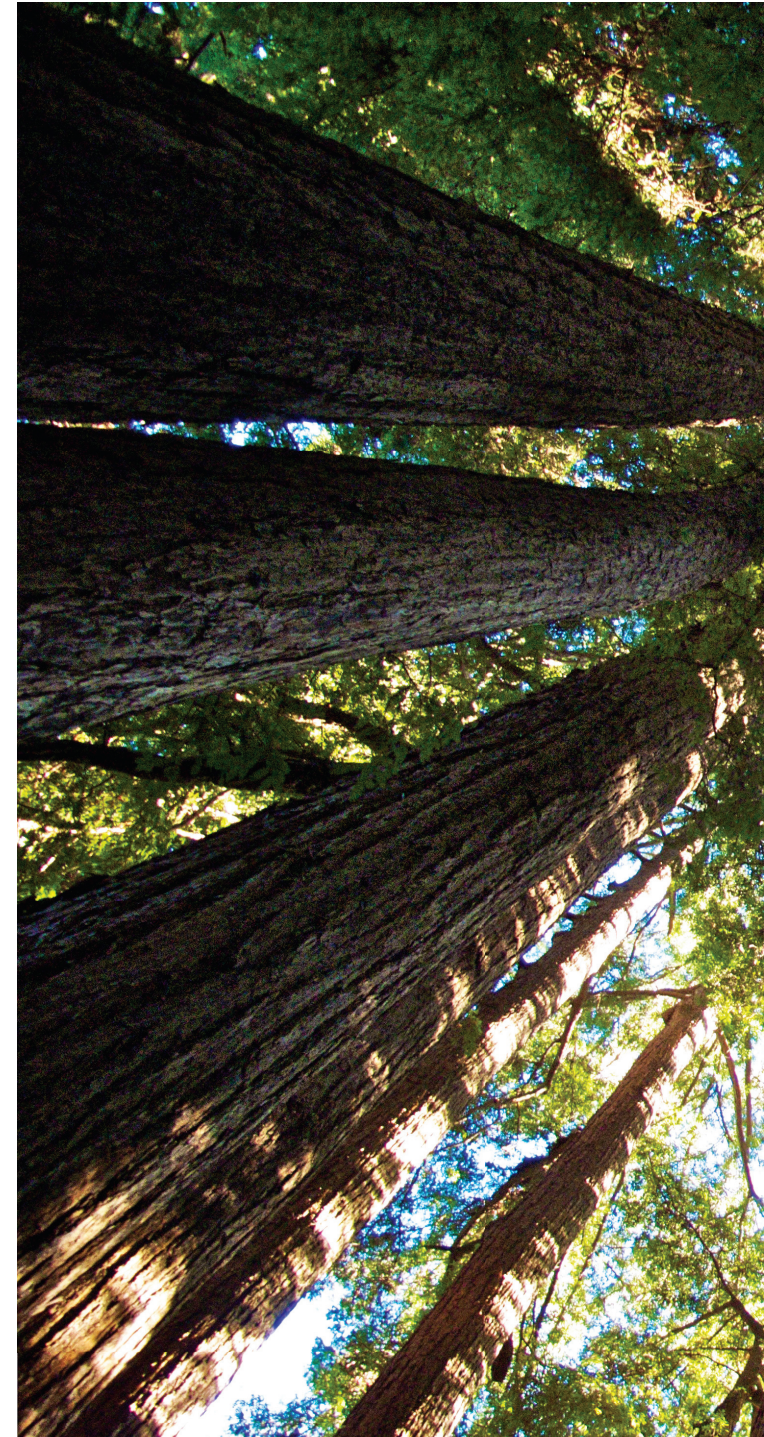
FineTune Tailored Control System (**TCS**) is LED luminaires and lighting controls that are designed for your project to achieve code compliancy easily.

FineTune TCS:

- Reduces energy consumption and support visual needs
- Synchronizes light levels with daylight and occupancy sensing
- Offers manual, bi-level, automatic demand response, and plug load control capabilities



Meets best practice for ASHRAE, LEED, and CHPS.





Scalable
Flexible
Intuitive
Optimized



Putting It All Together

