



Express Yourself Through Light



Dynamic Spaces Application Guide

High Performance Lighting
and Controls Solutions for
Today's Dynamic Spaces



Fresco Touchscreen

Dynamic multi-zone room controller

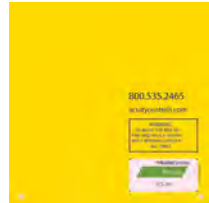
Meet the Fresco™ Family

The Fresco network of lighting management panels, third-party integration solutions and configuration software work together to manage multiple light sources, in multiple lighting zones. All from one simply elegant touchscreen controller.



Fresco RB Station

Digital remote wall station controller



Fresco AVI

Third-party integration solution



Fresco Lighting Management Panel

Multi-module lighting control panel



Fresco LMP1

Single module lighting control panel



Fresco DXT

DMX512 networking panel



Fresco DXT LPDD

Unified DMX512 control panel for LED



Fresco Studio

Fresco system configuration software



Vignette

Button/slider stand-alone station



FRESCO:

express yourself through light

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Fresco™

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ARCHITECTURAL
INTUITIVE
UNIVERSAL
EFFICIENT
POWERFUL
SIMPLE

/ **Fresco** manages lighting for today's architectural spaces, putting the user confidently in control. Distinguished by its visual appeal and cognitive design, Fresco directly incorporates nLight® devices and controls traditional light sources, LED, RGB and tunable white. Built-in Bluetooth® wireless technology connects with handheld devices.





FRESCO: nLight[®] device integration

DIGITALLY CONTROL LUMINAIRES individually or in groups with nLight devices. Simplified wiring and direct connectivity to Fresco reduce installation costs and make it easy to scale projects from a single room to a large space.

- Connect up to 128 nLight devices per Fresco controller
- Supports power packs, dimming packs, sensors, nPOD and nGFX stations
- Supports nLight enabled luminaires
- Simplified network wiring for quick and easy installation



FRESCO: universal lighting control

DESIGNED FOR TODAY'S dynamic and efficient sources, Fresco digitally controls traditional, color changing and tunable white luminaires. The system is configurable to allow different lighting technologies to be controlled from a single interface.

- 0-10V, switching, DALI, DMX 512 and forward and reverse phase dimming
- Control lighting via schedules, occupancy sensors or remote button stations
- Group luminaires together to control intensity or on/off



FRESCO: DMX 512 / RDM control

FINE-TUNE COLOR, color temperature and intensity of dynamic luminaires to set the tone for each space.

- Integrated universe of DMX eliminates need for external processor
- Remote Device Management (RDM) for quick addressing of luminaires
- Built-in color palette



FRESCO: room link

COMBINE ROOMS by linking Fresco controllers to create an entirely new space. Share lighting zones and scenes or design a new sequence of operations for the combined rooms and manage it all from a single touchscreen.

- Connect up to 24 controllers to create new room combinations
- Combine rooms manually via button station or automatically via partition sensor
- Create up to 36 new scenes for every new room combination



FRESCO: shade/AV integration

THE FRESCO NETWORK communicates with third party systems, including A/V and motorized shade solutions, to eliminate unnecessary interfaces and simplify control.

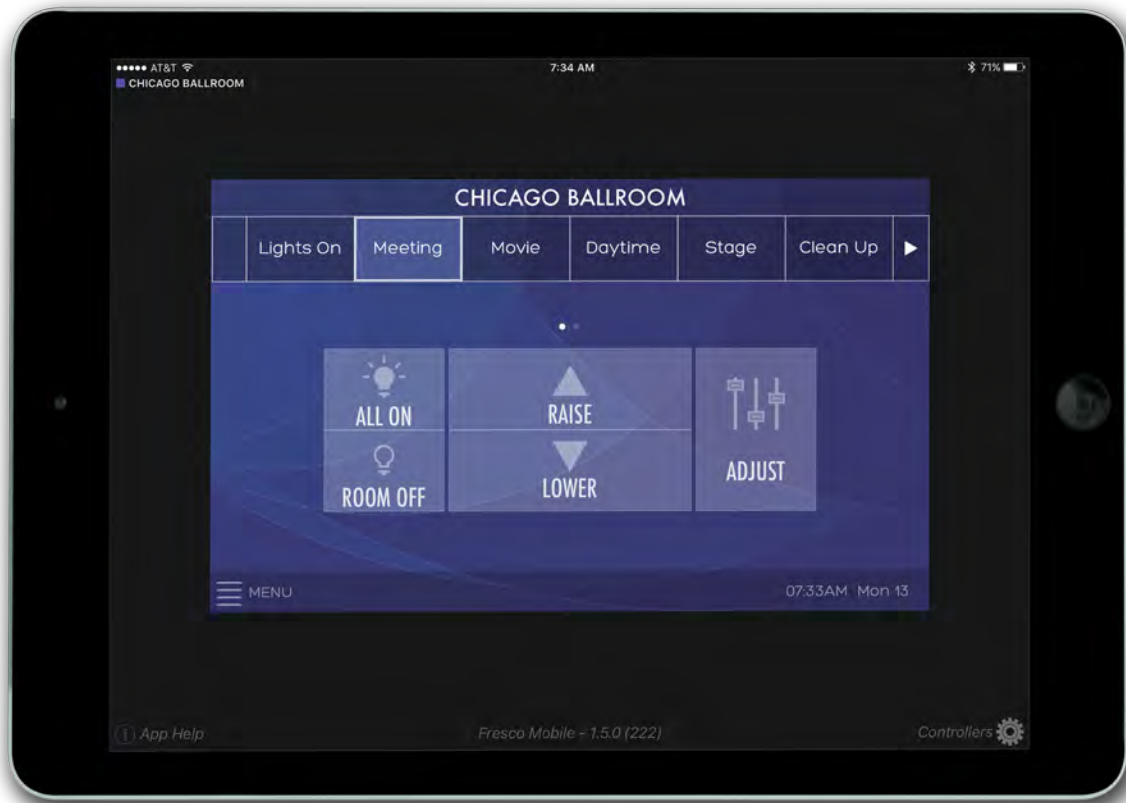
- Bi-directional RS-232/485 communication
- Control complete range of shade positions
- Connect to third-party AV system to control all Fresco lighting zones, channels and scenes



FRESCO: on-screen scheduling

CREATE AND MODIFY EVENTS directly from the touchscreen, no PC or other external equipment required. Schedules are saved and automatically activated by the on-board astronomic timeclock.

- Create up to 100 schedules per Fresco network
- Unlimited number of events for any schedule
- Set up exception schedules to temporarily override current schedule



FRESCO: wireless control

ACHIEVE THE SAME LEVEL of control on the wall or in your hands. Pair handheld devices with the Fresco touchscreen via built-in Bluetooth® wireless technology or the local wireless network for seamless control anywhere in the space.

- Mobile app supports Bluetooth and WiFi connectivity
- Create new scenes that automatically sync to the Fresco touchscreen controller
- Manage user access to both the mobile app and touchscreen controller via secure passwords



Dynamic Spaces

ENERGY

MOTION SENSING

DIMMING

DAYLIGHTING

LIGHTING
SCENES

ARCHITECTURAL

LONG FADES

ROOM COMBINE

ENTERTAINMENT

RGB

CUE LISTS

EFFECTS

MOTORIZED
FIXTURES

Every project is unique. Whether it be architectural, entertainment, or multi-use, different lighting technologies are bound to be used within the same space. If there are multiple spaces with disparate functions and emphasis, it can be challenging and often expensive. To produce layered effects would typically require a complex system or set of parallel systems.

Let's say it again: expensive.

Fresco and Fresco Show make it easy. A full spectrum of capabilities are driven through a single system. Sensors, dimming, scene and advanced color control all speak the same language. One point of control gives the designer/end user the ability to produce desired effects in the space, or make dramatic changes simply and with confidence.

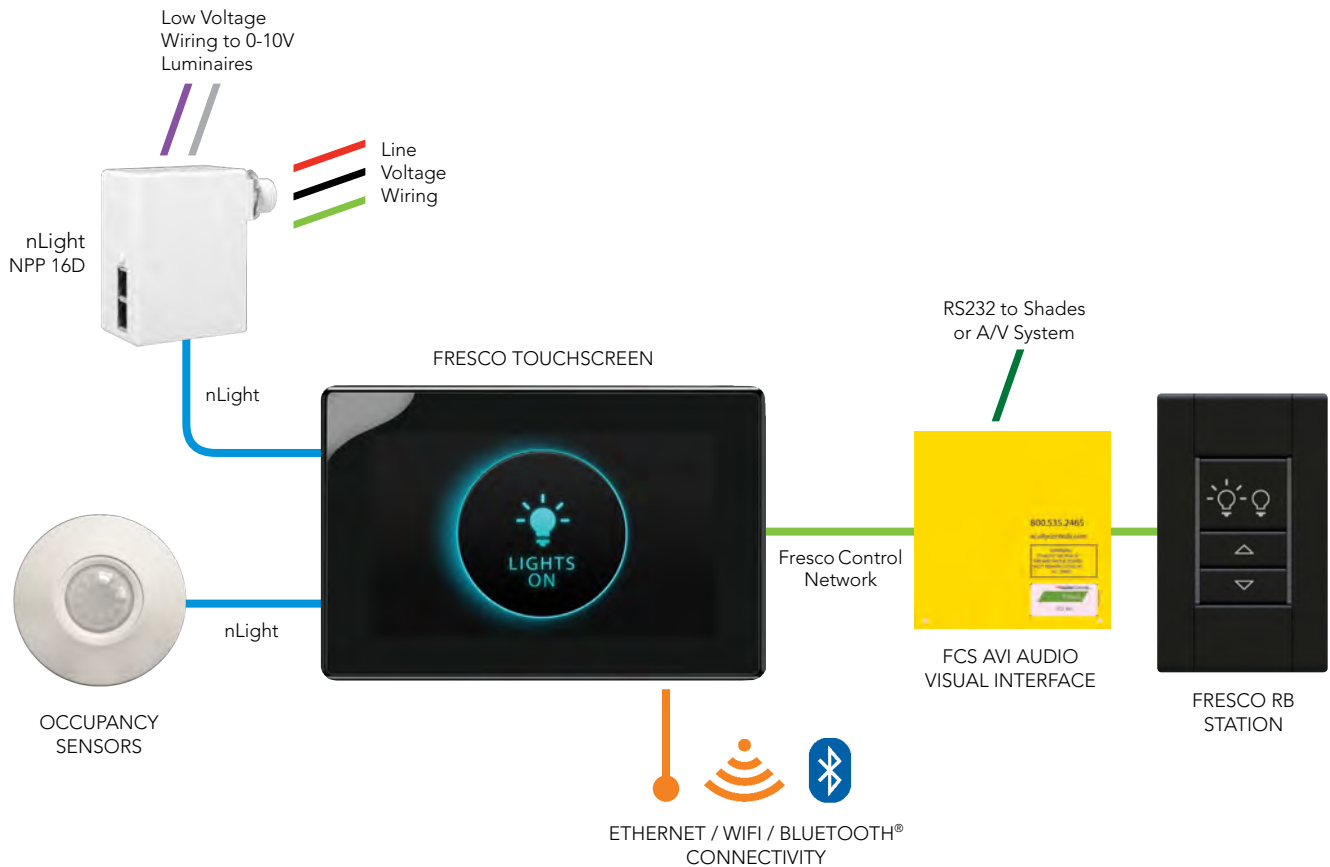
Dynamic spaces are, well, dynamic. One day the ballroom is host to a sales conference. The next evening the same ballroom is transformed into an elegant wedding celebration. The simple and functional can become energetic and entertaining with a simple touch of the screen.



CONTROL in the board room

Meetings / Presentations /
Control lights, shades and A/V

DIM THE LIGHTS, LOWER THE SCREEN and shades before watching that big sales presentation, or keep the lights bright while reviewing critical financial reports. Board meetings, sales pitches — even impromptu staff gatherings — are always on message with Fresco.



/ BOARD ROOM SEQUENCE OF OPERATION

- Distribute and control different lighting technologies using **nLight power packs**
- Manually activate pre-programmed scenes from the **Fresco RB Station**
- Control additional scenes, lighting intensity or other lighting channels from the **Fresco Touchscreen**
- Automatically control lighting levels with **nLight occupancy** or **daylighting** sensors
- Control third-party motorized shades and allow AV systems to interface with the Fresco network using **Fresco AVI**
- **BACnet™/IP** Server or Client capabilities allows BMS/BAS integration or linking to nLight® Eclipse™ profiles
- Wirelessly control lighting with **Fresco mobile app**
Alternate functionality is available.

/ A SAMPLING OF COMPATIBLE LUMINAIRES



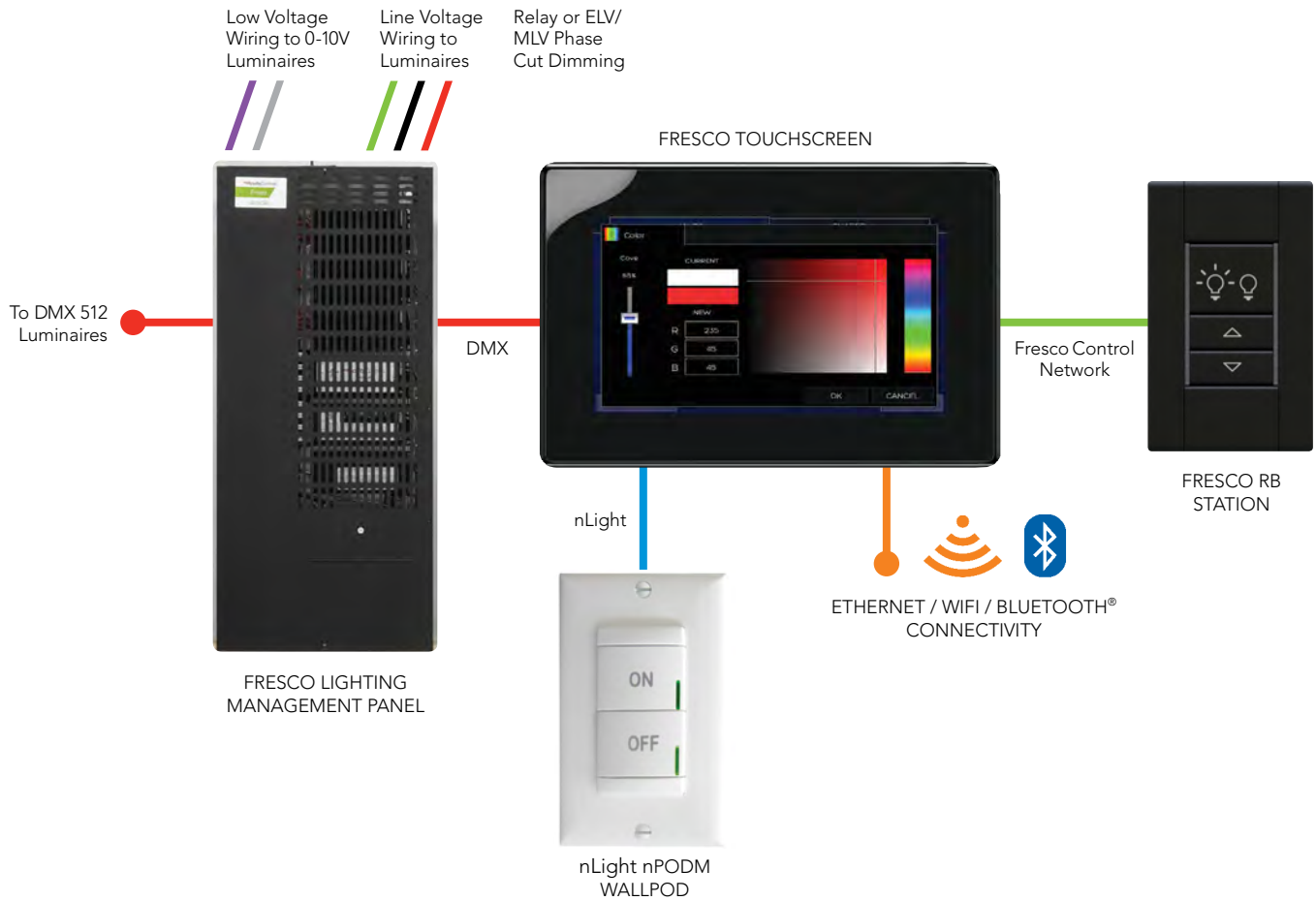


TONIGHT'S PERFORMANCE

dinner and drinks

Lunch or Dinner / Special Events /
Control front of house and back of house lights

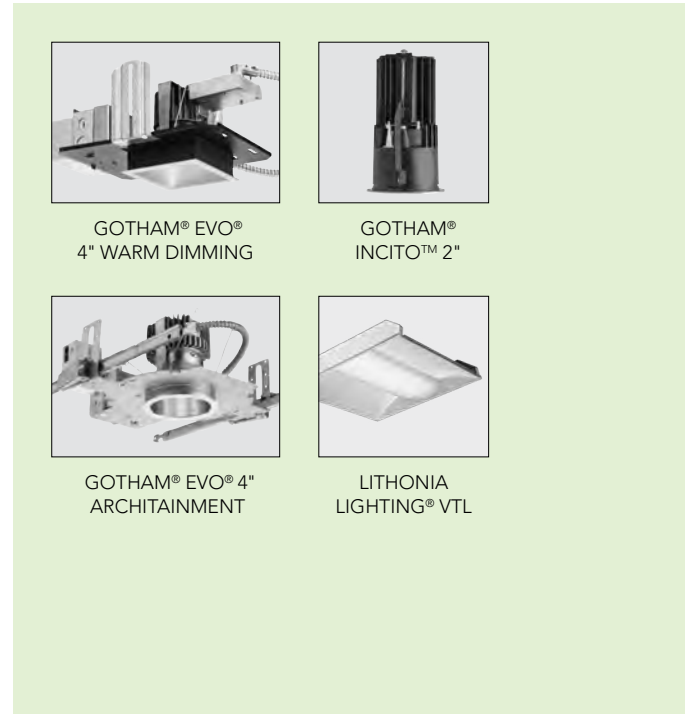
FRESCO TAKES YOU SEAMLESSLY from day to night, creating the backdrop for a series of memorable experiences. Scenes like a light, bright dining room for the weekday lunch crowd can slowly transform into a warm, intimate setting for evening guests. Special event and holiday scenes only enhance the possibilities.



/ RESTAURANT SEQUENCE OF OPERATION

- Schedule scenes to automatically and smoothly transition throughout the day using **Fresco Touchscreen**
 - Wire lighting fixtures and control different lighting technologies from one central location with **Fresco Lighting Management Panel**
 - Manually activate pre-programmed scenes from the **Fresco RB Station**
 - Control back-of-house lighting from the **nLight button station**
 - Wirelessly control lighting from the host stand using the **Fresco mobile app**
 - **BACnet™/IP Server or Client** capabilities allows BMS/BAS integration or linking to nLight® Eclipse™ profiles
 - Create and modify events using **on screen scheduling**
- Alternate functionality is available.*

/ A SAMPLING OF COMPATIBLE LUMINAIRES

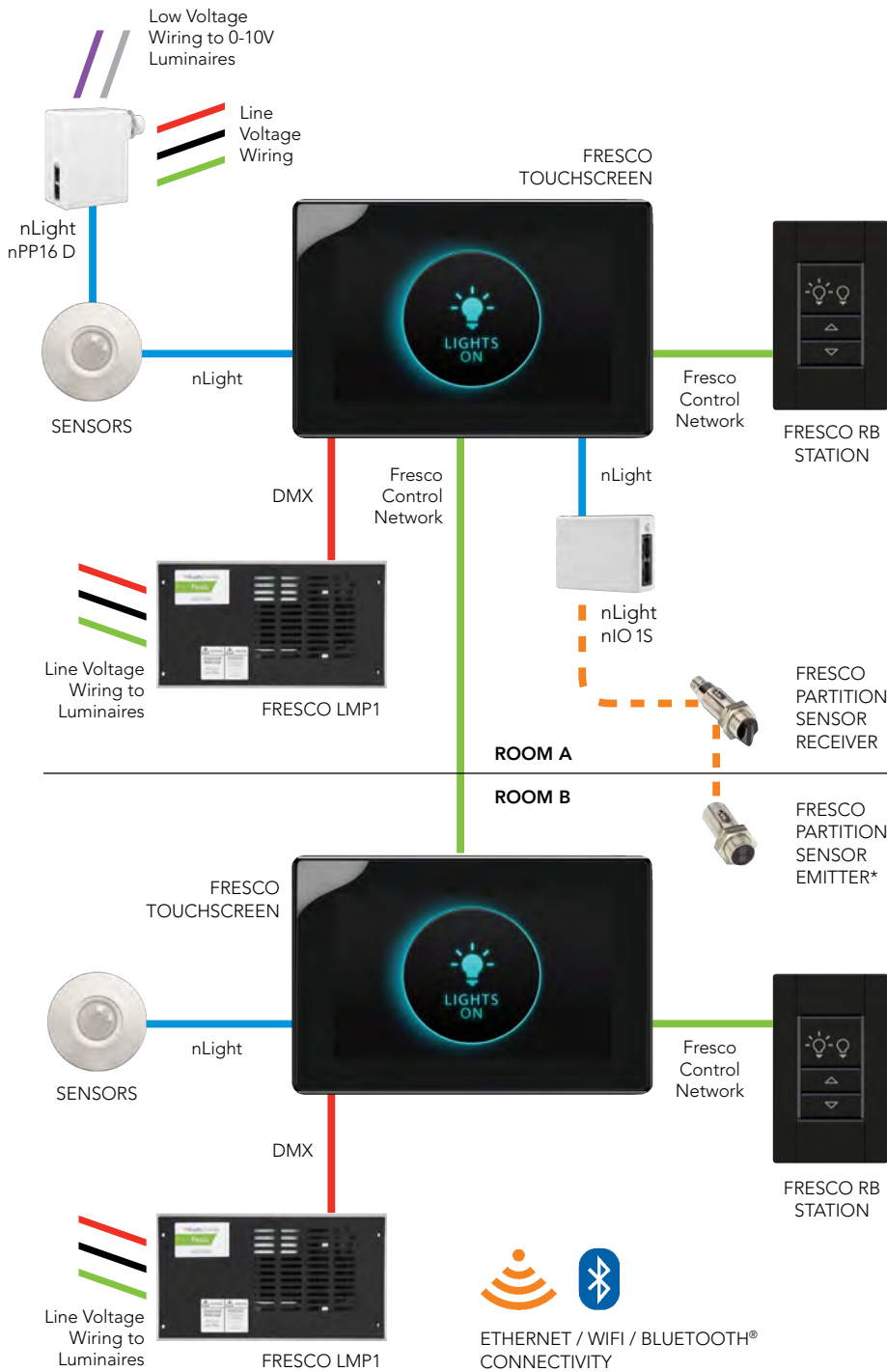




MASTER of All Ballrooms

Trade Shows / Meetings / Multi-Day Conferences / Special Events
Control one section at a time or the entire ballroom

MULTIPLE USES. MULTIPLE USERS. All in one day. This afternoon, two sections are hosting a conference and luncheon. Tonight, that same space must be ready for a wedding reception. Two different functions, one versatile controller. Strictly business or strictly ballroom, Fresco lets you create a mood as unique as the event.



/ BALLROOM SEQUENCE OF OPERATION

STAND-ALONE ROOM

- Distribute and control different lighting technologies using **nLight power packs**
- Automatically turn on specific, pre-programmed lights with **nLight occupancy sensors**
- Control additional scenes, lighting intensity, color or other lighting channels from the **Fresco Touchscreen**
- Manually activate pre-programmed scenes from the **Fresco RB Station**
- Control large fixtures like chandeliers with **Fresco LMP1**
- **BACnet™/IP** Server or Client capabilities allows BMS/BAS integration or linking to nLight® Eclipse™ profiles

COMBINED ROOMS

- Automatically link rooms using the **Fresco Partition Sensor** (FCSROOM KIT*) or manually link rooms using **Fresco RB Station** or any **nLight** input device
- Create new lighting channels and scenes for the combined space using **Fresco Studio software**
- All sensors and input devices can be programmed to track the new room combination
- **BACnet™/IP** Server or Client capabilities allows BMS/BAS integration or linking to nLight® Eclipse™ profiles

Alternate functionality is available.

/ A SAMPLING OF COMPATIBLE LUMINAIRES



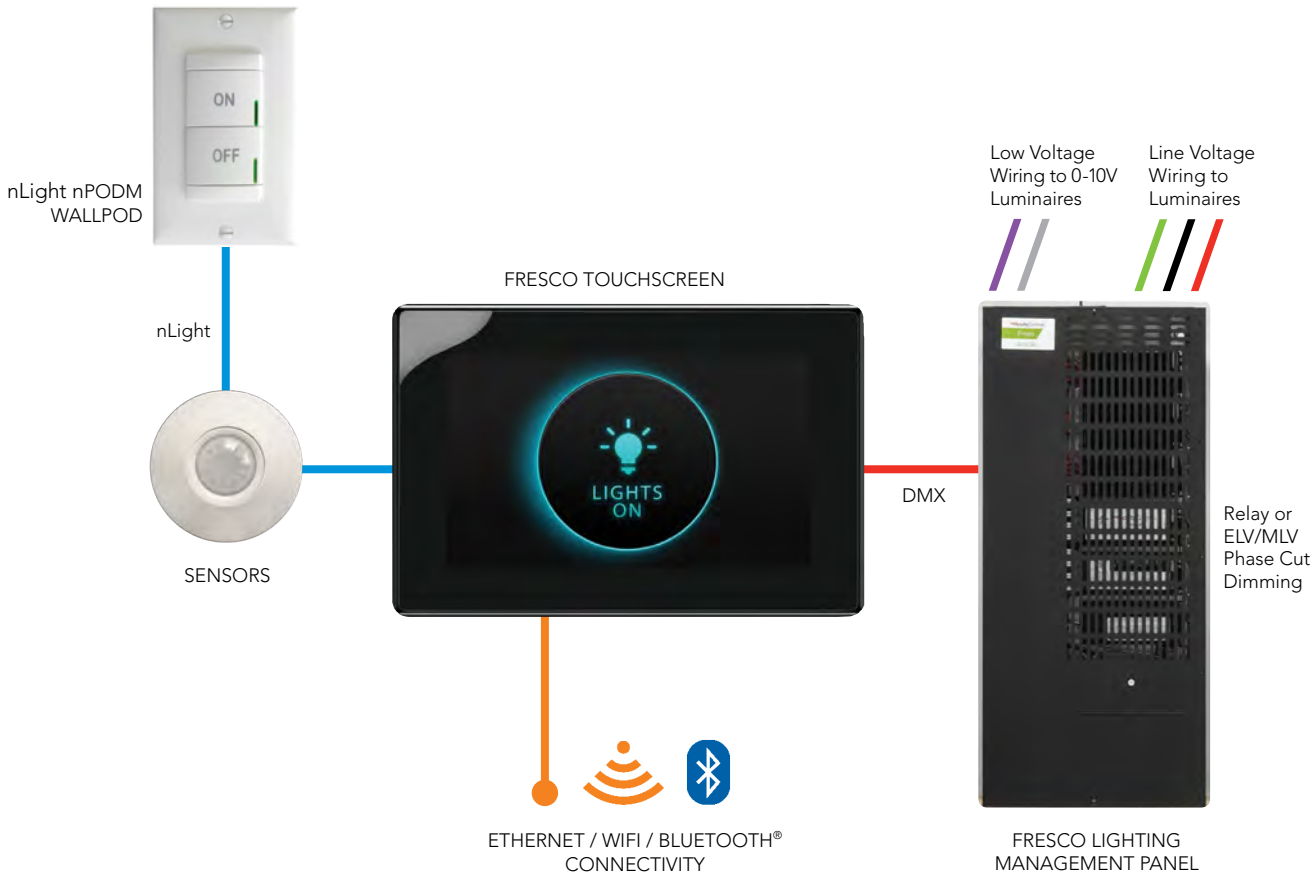
*FCSROOM KIT includes sensors, MP20, and nIO1S. For detailed wiring instructions, please refer to the installation manual.



LIGHTING AS AGILE as fashion

Front Window Displays / Highlight Merchandise / Sales and Special Events
Control indoor and outdoor lights and signage

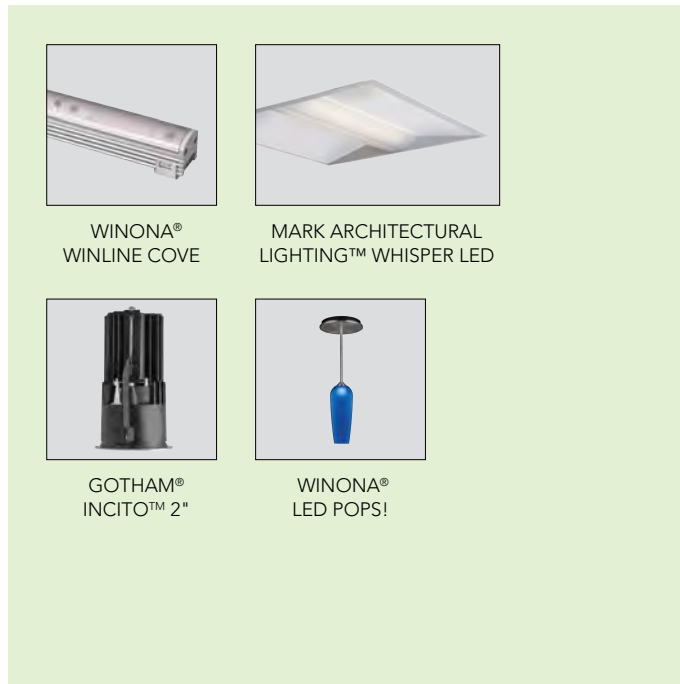
MERCHANDISE LOOKS BETTER in just the right light and creates a little extra incentive to attract customers. With Fresco you can adjust color and intensity for displays that draw a shopper's eye — an invitation to come on in.



/ RETAIL SEQUENCE OF OPERATION

- Schedule opening and closing times, as well as outdoor signage using **Fresco Touchscreen**
- Wire lighting fixtures and control different lighting technologies from one central location with **Fresco Lighting Management Panel**
- Adjust kiosk or specialty display lighting and activate pre-programmed scenes from the **Fresco RB Station**
- Control stock area lighting with **nLight sensors and button stations**
- **BACnet™/IP** Server or Client capabilities allows BMS/BAS integration or linking to nLight® Eclypse™ profiles
- Create and modify events using **on screen scheduling**
Alternate functionality is available.

/ A SAMPLING OF COMPATIBLE LUMINAIRES

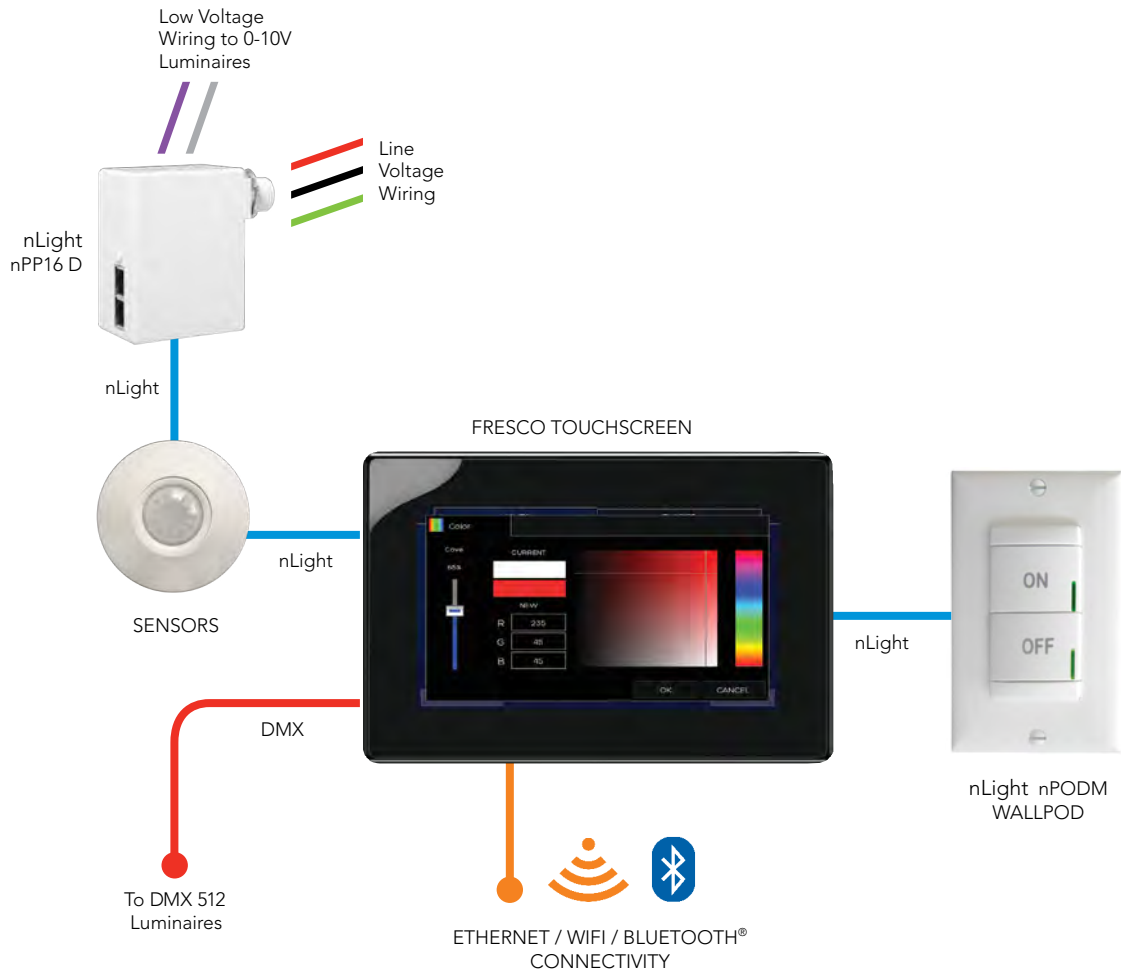




PLAY ball

Sporting Events / School Assemblies / Plays
Control indoor and outdoor lights

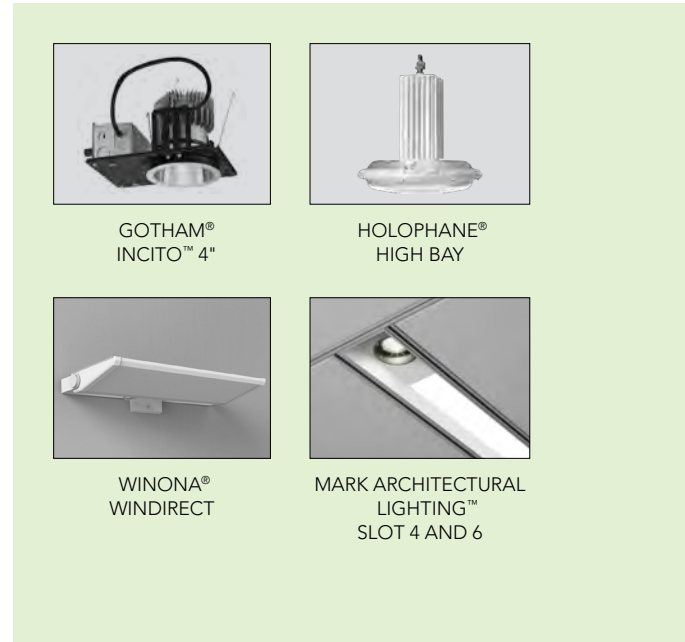
AUDITORIUMS ARE HARD-WORKING SPACES. Fresco helps to create just the right high-energy mood for the pep rally and assembly this afternoon — and the big game tonight. How about tomorrow night's school play? Control the stage lighting to build the mood and make every act a show-stopper.



/ GYMNASIUM SEQUENCE OF OPERATION

/ A SAMPLING OF COMPATIBLE LUMINAIRES

- Distribute and control different lighting technologies using **nLight power packs**
 - Automatically turn on specific, pre-programmed lights with **nLight occupancy sensors**
 - Manually activate pre-programmed scenes or lighting zones from **nLight nPODM**
 - Control additional scenes, lighting intensity or other lighting channels from the **Fresco Touchscreen**
 - Control color for stage lighting using the integrated DMX 512 palette from the **Fresco Touchscreen**
 - **BACnet™/IP Server or Client** capabilities allows BMS/BAS integration or linking to nLight® Eclipse™ profiles
- Alternate functionality is available.*



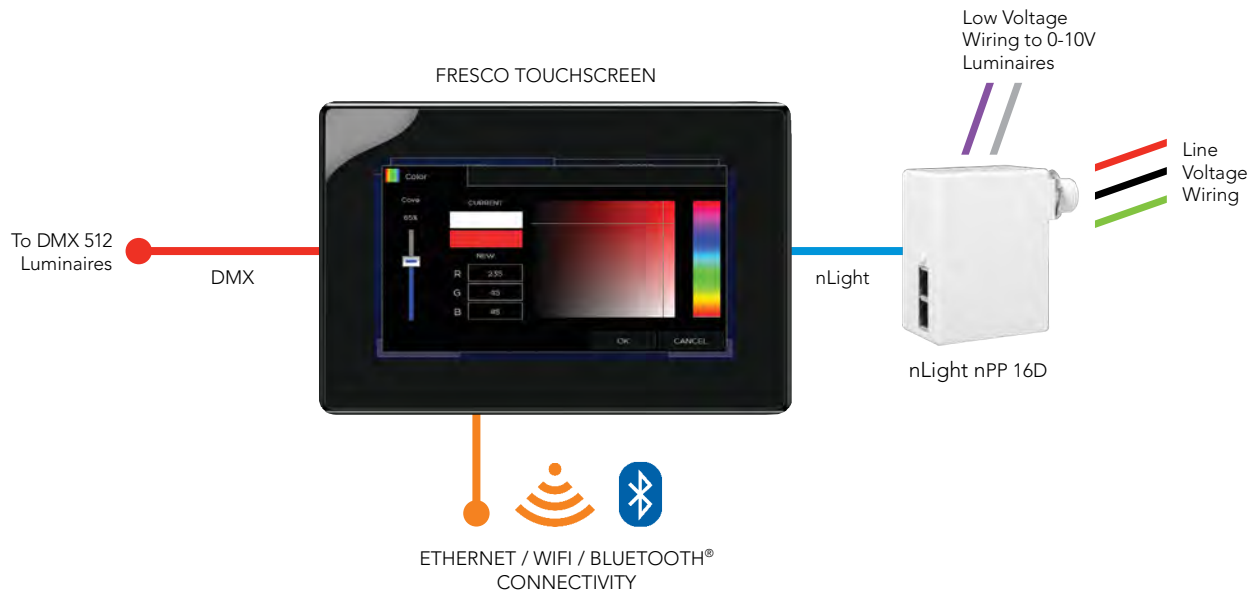


MAKE A grand entrance

Holiday or Special Event Displays / Exterior Wallwashes
Control indoor and outdoor lights

HUNDREDS OF VISITORS, DAY AFTER DAY. The right lighting gives them a reason to pause and feel welcome. Brighter by day as people hurry to and from the office, softer by night as they prepare to wind down. Holidays and events can be even more special with evocative lighting scenes that set the tone for the season.





/ LOBBY SEQUENCE OF OPERATION

- Distribute and control different lighting technologies using **nLight power packs**
 - Control additional scenes, lighting intensity or other lighting channels from the **Fresco Touchscreen**
 - Control color for special events or holidays using the integrated DMX 512 palette from the **Fresco Touchscreen**
 - **BACnet™/IP** Server or Client capabilities allows BMS/BAS integration or linking to nLight® Eclipse™ profiles
- Alternate functionality is available.*

/ A SAMPLING OF COMPATIBLE LUMINAIRES





Fresco

www.acuitybrands.com/fresco

Application Typical Designs

www.acuitybrands.com/typicals



A+ Certified solutions from Acuity Brands help you quickly and confidently select and implement lighting systems that are both compatible and consistent.

For lighting applications, A+ means verified consistent performance, visual appearance and system interoperability of all luminaires and controls within the certified solutions. For lighting professionals it means confidence that all parts of the lighting system will work together and meet common Acuity Brands specifications.

Go to www.acuitybrands.com/solutions/a-certified or contact your local Acuity Brands representative for more information.

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