Healthcare ✚ Solutions

Human-centered solutions for better healthcare experiences.

COOPER
Lighting Solutions

cooperlighting.com

Human-centered lighting
for better healthcare experiences.

Planning healthcare spaces means blending the art and science of design, balancing aesthetic and sensory needs, while dealing with tightening budgets and staying compliant with healthcare and building codes.

Today's healthcare facilities need to satisfy both patients and the bottom line and unlock transformative IoT capabilities and insights that prepare them to navigate complex challenges with confidence — both today and tomorrow.

It's time to think about **healthcare lighting in a whole new light.**

In step with today's **challenges**

Engineering solutions tailored to the complex needs of the healthcare industry begins with understanding those needs.

Patient satisfaction

Meeting patients' high expectations is a tall challenge, between staff shortages, inefficient flows, and shrinking budgets and resources.

Infection prevention

An estimated 1 in 25 patients acquires a hospital-related infection, and infection prevention has come into even sharper focus amid COVID-19.

Cost pressures and budget constraints

As pay-per-performance models gain popularity, facilities are under pressure to do more with less and cut costs.

Security and safety

With 50% of emergency caregivers having experienced physical assault at work, violence is a growing concern in healthcare facilities worldwide.

Inefficient equipment workflows

Caregivers and staff waste significant amounts of time locating equipment — time that should be spent with patients.

Personnel shortages

Healthcare systems increasingly compete for talent as workforce shortages plague the industry.

Adopting new technology

Breakthroughs like 5G have accelerated the use of technology like smart wearables, nanomedicine, voice recognition, and connected sensors; with this comes a learning curve.

Ahead of tomorrow's **trends**

The COVID-19 pandemic impacted virtually every industry worldwide, but none have had to adapt more quickly and with more urgency than healthcare. Even before the pandemic forced these changes, the healthcare industry was under pressure to adapt to a changing world — including trends like an aging population and more privately insured patients.

Focus on patient-centered care

To optimize patient experiences and gain a competitive edge, providers increasingly focus on facility comfort, hospitality, and holistic patient care.

More privately insured patients

More than 50% of specialists' revenue comes from private health insurance payments, benefiting healthcare companies' bottom lines.

A shift toward ambulatory care

As patients seek more affordable care, preferences are shifting from large hospitals to smaller, outpatient solutions.

Growing number of adults aged 65+

The elderly will make up an increasingly larger share of the population, which adds pressure to healthcare institutions.

Telemedicine

The rise in remote diagnosis and treatment has fueled the popularity of connected, wearable devices to gather and analyze patient data.

Increased IoT spend

As facilities look to eliminate bottlenecks, losses, and inefficiencies while optimizing sanitation procedures, CAGR spending is projected to grow by 20% by 2025.

Beyond Lighting: solutions to meet the moment

In healthcare, lighting plays an outsized role in patient satisfaction, staff productivity, and overall occupant wellbeing.

Combined with IoT solutions that solve other facility challenges, from security to infection control and process improvement, our thoughtful connected lighting solutions promote smarter, "healthier" medical facilities (in every sense).

HOSPITABLE ✚ HYGIENIC ✚ HOLISTIC

Hospitable. Hygienic. Holistic.
Multi-tasking solutions for a healthier well-being.

Hospitable

When it comes to creating welcoming environments from the parking lot to the surgical suite, lighting is the single most important design factor.

- Color Tuning: VividTune
- Healthcare Lighting: ArcMed and Fail-Safe
- Augmented Reality: Light ARchitect

Hygienic

From UV-C sanitation to environmental monitoring, contact tracing, and hand hygiene, discover new ways to protect patients and occupants.

- UV-C Upper Air sanitation solutions: Fail-Safe
- App for Geofencing: WaveLinx CORE Locate
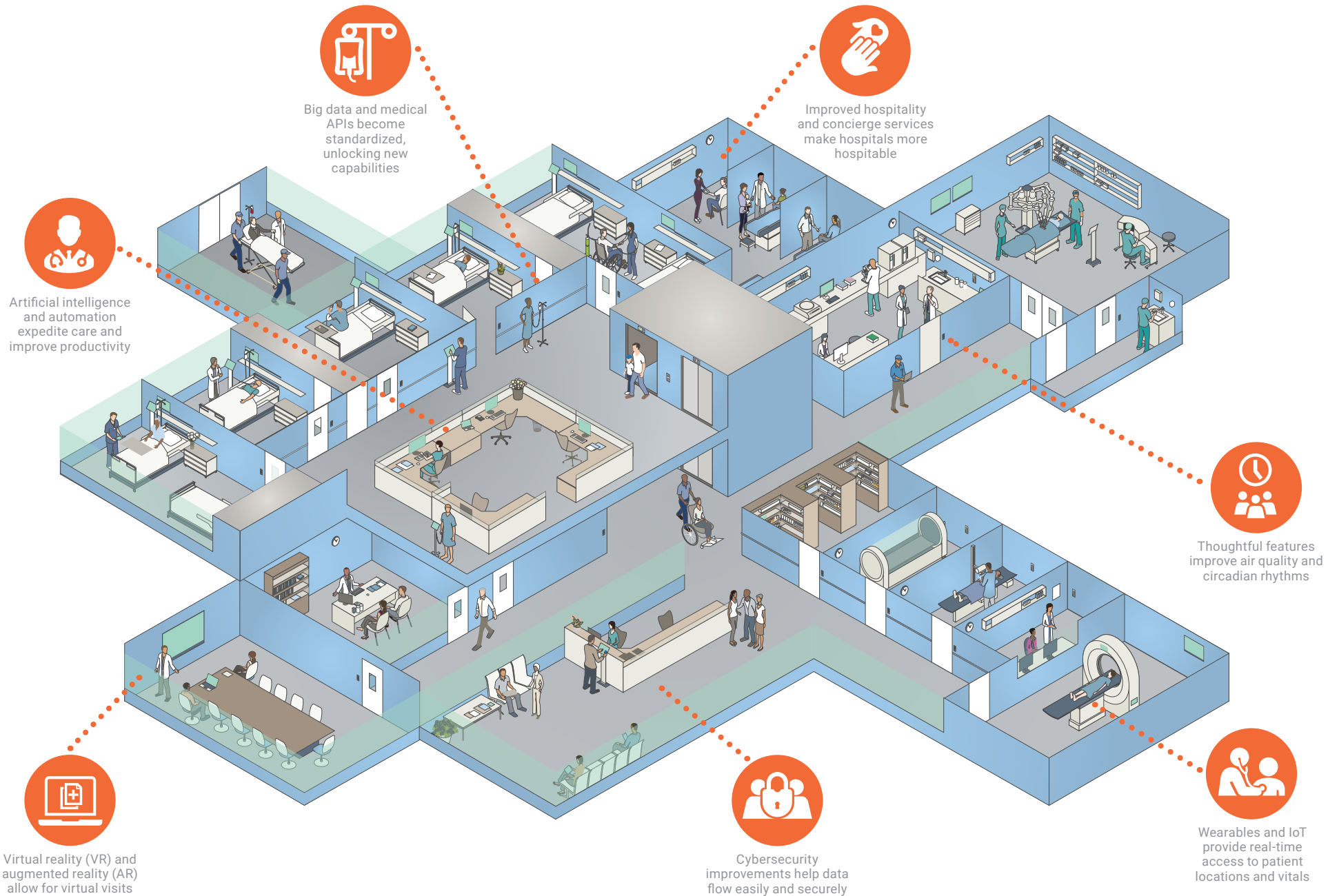- Connected System: WaveLinx

Holistic

Smart lighting systems can springboard countless improvements to healthcare processes and workflows.

- IoT Platform: WaveLinx CORE
- Special Application Lighting: Fail-Safe
- App for RTLS: WaveLinx CORE Locate

Cooper Lighting Solutions offers a **variety of technology solutions** to meet the needs of various spaces within healthcare facilities
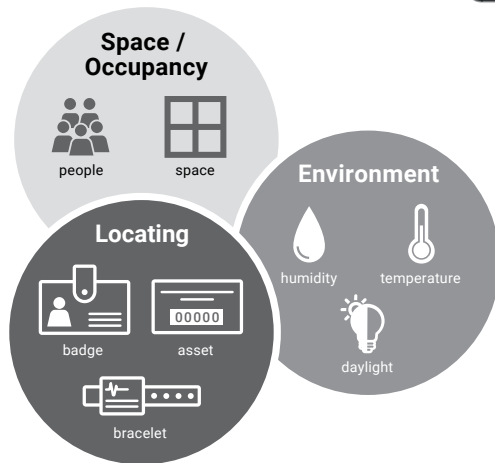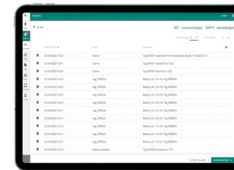
Today's connected hospitals

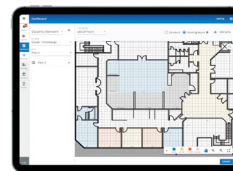Big data and medical APIs become standardized, unlocking new capabilities

Improved hospitality and concierge services make hospitals more hospitable

Artificial intelligence and automation expedite care and improve productivity

Thoughtful features improve air quality and circadian rhythms

Virtual reality (VR) and augmented reality (AR) allow for virtual visits

Cybersecurity improvements help data flow easily and securely

Wearables and IoT provide real-time access to patient locations and vitals

WaveLinx CORE IoT
platform and apps

Analyze facility data in real-time, then put it to work with a suite of healthcare-minded applications that improve efficiency, enhance occupant experience, and promote wellbeing.

With CORE Locate, valuable real-time facility data and ready-to-use IoT tools are at your fingertips.

Space / Occupancy
people   space

Environment
humidity   temperature   daylight

Locating
badge   asset   bracelet

+

=

OPTIMIZED
facilities

- Increased productivity
- Improved safety & security
- Better asset utilization
- Data-informed business decisions
- Maintenance and operational savings
- Real-time device status

Sensing and Locating
The WaveLinx PRO sensor and transmission network is optimally positioned to collect facility data.

Actionable RTLS Data
Using BACnet and APIs (REST), CORE applications empower you to put your facility data to work.

WaveLinx PRO connected system

One scalable, easy-to-install system to rule them all

No building infrastructure is better positioned to collect valuable data than your lighting system. With its integrated sensors, WaveLinx provides immediate out-of-the-box performance and code compliance, and can be configured as a system from a secure mobile application.

CORE Lighting

WaveLinx CORE Pro

WaveLinx Area Controller

WaveLinx PRO is scalable to WaveLinx CORE

healthcare spaces

outdoor spaces pathways / parking areas

Sensors

Control Stations & Accessories

Control Modules

Software & Apps

Controllers & Power Modules
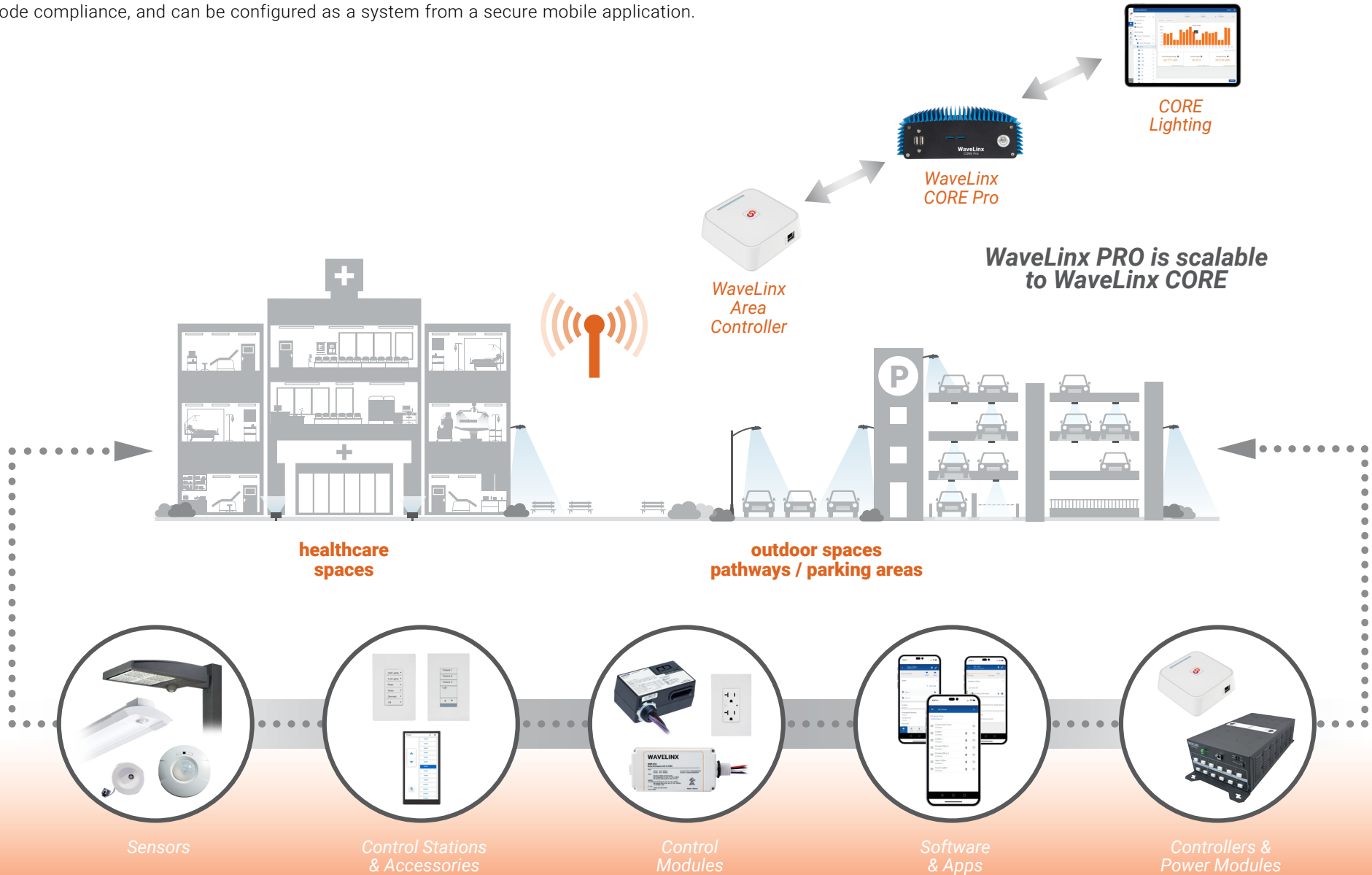
ArcMed lighting

Architectural Lighting for the modern healthcare Facility

The ArcMed product portfolio by Fail-Safe combines the architectural aesthetics desired in modern healthcare facilities with the performance required in specialized medical spaces.

These products provide high performance, and a simple, clean, and elegant appearance that will enhance the visual experience of patients in a facility, making it the preferred lighting choice for medical spaces.

Fail-Safe: your complete performance family of luminaire

Fail-Safe is designed to meet the most demanding applications needs in medical / healthcare. Our luminaires, with industry ratings and certifications, meet the most stringent application requirements.

warm

cool

color temperature

warm — adjust temperature — cool

Change the color temperature of the space throughout the day to align more closely with people's circadian rhythms, from cooler light in the morning and afternoon to warmer light in the evening.

dim

bright

light intensity

dim — adjust intensity — bright

Control the intensity of lighting to suit individual comfort levels or the task at hand.

Color Tuning solutions

Discover the Power of Preference

Lighting can affect mood and alertness in healthcare environments, and even promote healing and wellbeing. Easy to install and even easier to use, VividTune tunable white solutions allow patients, caregivers, and staff to adjust color temperature and intensity according to the mood, scenario, or task at hand.

VividTune uses a simple two-channel system, where one channel adjusts the color temperature from warm to cool, and the other controls the intensity of the light. Facilities can choose from a range of control solutions, from a simple 0-10V slide dimmer to more advanced connected lighting capabilities with WaveLinx.

Tunable White Solutions in Healthcare

With VividTune, you can positively alter the entire atmosphere and mood of a space, from patient rooms to nurses' stations and other workspaces. That's because, with a wide range of CCT settings to suit various needs and preferences, it's a much more powerful tool than dimming alone.

VividTune™
color tuning solutions

Upper Air
UV-C sanitation

Quick, Continuous, Occupant-Safe Sanitation

UV-C upper air technology is safe to use in occupied spaces and runs continuously, quietly, and independently from your HVAC system. It's tested and proven to inactivate harmful pathogens in seconds, and even CDC-recommended as part of a layered strategy to reduce SARS-CoV-2 transmission in certain settings.

Designed With Safety in Mind

Fail-Safe's UV-C Air sanitation solutions distribute UV-C in the upper air, preventing direct human exposure to UV-C. The result is "fresh" air that's constantly cleaned and recirculated, similar to the tried and true method of opening the windows.

Save Time and Money

Because no control systems are required to operate Fail-Safe's UV-C Upper-Air Sanitation products and installation is simple, installation costs are low. Plus, since there's no additional demand on the HVAC system, they are less expensive to use than other "filter" solutions.

Featured Products

Click on products to **learn more**

LIGHTING

Fail-Safe GAW
- Germicidal UV Air Wall Mount
- Air sanitation fixture with UL 1598 listing
- Provides air sanitation for large areas of coverage
- Horizontal distribution keeps UV-C in the upper air
- Able to be used in occupied spaces

Fail-Safe GAC
- Germicidal UV Air Ceiling Mount
- Air sanitation fixture with UL 1598 listing
- Symmetrical coverage area
- Horizontal distribution keeps UV-C in upper air
- Able to be used in occupied spaces

GERMICIDAL UV

Light ARchitect app

Visualize your design with augmented reality

Now, you can visualize what different light fixtures would look like in any space, from patient rooms to exam rooms to operating rooms. With the ability to try luminaires and lighting effects virtually and share with clients and colleagues, it's a more powerful way to design.

- **Browse:** Choose from state-of-the-art lighting fixtures
- **Experiment:** Adjust the finish, lumen output, mounting height, and more
- **See:** Virtually turn on lights to experience the full effect
- **Share:** Take screenshots to share with clients and colleagues

UV-C Sanitation Solutions

Explore the UV-C Estimator feature enabling pathogen(s) selection and the time to sanitize a space based on your custom room dimensions.
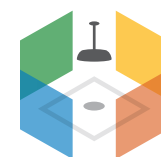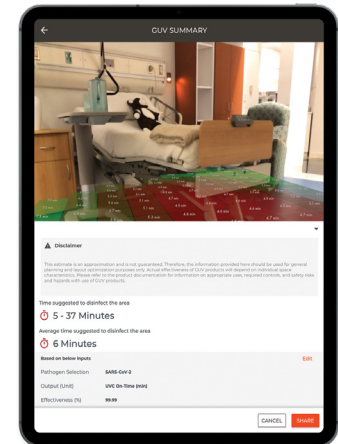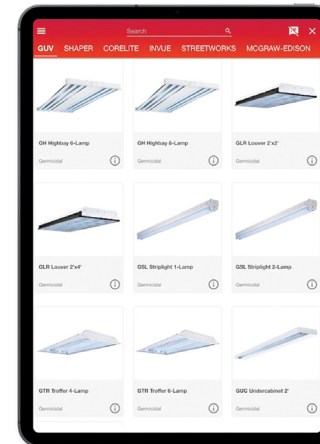
Light ARchitect™

Lighting for a brighter tomorrow:
How lighting solutions put the hospital of the "future" within reach

Cooper Lighting Solutions offers a full catalog of lighting fixtures and connected solutions to meet all the needs of a modern healthcare facility.

From lobbies, to hallways, to the MRI and patient rooms, Cooper Lighting Solutions has the lighting products to meet the individual needs of the widely varied spaces in a healthcare facility.

Click on key areas to **learn more**

Key Areas

Patient Rooms

Nurses Station

Lobby Areas

Waiting Areas

Examination Room

Procedure Room

Operating Room

MRI Suite

Behavioral Health

Cleanrooms & Labs

Exit & Emergency

Patient Drop-Off & Walkways

Parking

Outdoor Gardens

Patient Room

Space Overview

The patient room is considered one of the most critical areas of a healthcare facility. Patients will typically spend several days in these rooms and it is important to provide lighting that meets the needs of a variety of patient types. From reading and night lights to bright examination lights during doctor and nurse visits, lighting in these spaces must fulfill a number of functions. Patients will also spend hours looking at these fixtures so maintaining an aesthetically pleasing design and ensuring visual comfort is critical to enhancing patient satisfaction.

Design Features

Fixtures
- Multifunction patient bed light located above the patient bed
- Ambient Lighting located in perimeter of room
- Accent lighting provides decorative touches

Light Quality
- Multiple light levels required at patient bed for different functions (ambient/examination/reading)

Solutions
- Low voltage control for nurse call systems
- Dimming vs non-dimming
- WaveLinx CORE

Featured Products

Click on products to **learn more**

LIGHTING			**CONNECTED & CONTROLS SOLUTIONS**		

Fail-Safe APN
- Recessed Slot
- Designed to provide functionality with modern aesthetics
- Mounts recessed beside the bed
- Multifunction ambient/ exam/ reading with optional nurse call integration
- Wipe Down

Portfolio LD4
- LED 4" Round Recessed Downlight or lensed wall wash
- W2N Tunable White 2700K-6500K or 2000K-5000K
- Lumens: 1,000-6,000; 0-10V dimming down to 1%
- WaveLinx PRO and DLVP connected lighting systems compatibility

iO CoviO Graze
- Architectural Wall Graze / Wash Linear
- 9 optical distributions available
- Creates important accent layer to enhance visual experience
- Indoor and outdoor rated allows for use in any environment

Greengate Patient Pillow Speaker
- Provides patients access to control lighting from the bed
- Lighting/shade control buttons with Nurse Call, TV, and other features
- Sealed to reduce risk of infectious fluids or solids entering device

WaveLinx CORE Locate Tags
- Ideal for asset management, patient elopement, workflows, staff duress, and infection prevention
- Multiple form factors
- Long battery life

WaveLinx PRO Tilemount Sensor Kit
- Enables 0-10V luminaires to be controlled by WaveLinx PRO
- Provides closed loop daylighting control of non-integrated luminaires
- Hardware capable of Real Time Location Services (RTLS)

Nurses Station

Space Overview

The nurses station is the heart of the floor and Cooper Lighting Solutions provide a well-lit work area for staff (day and night) to improve productivity and reduce errors, utilize under-cabinet lighting to provide shadow-free direct illumination for reading and charting tasks. With visual comfort front of mind, our solutions enhance effectiveness by providing visual comfort with glare-free, targeted task lighting to alleviate eye fatigue and variable CCT for circadian support.

Design Features

Fixtures
- Downlights, Cylinders, Adjustable, Track, Multi-Head, Linear, Acoustic, Troffer and Decorative
- Variety of shapes, sizes, textures and colors to complement any design

Light Quality
- Precision optics to maximize uniformity
- Multiple color temperature and lumen options

Solutions
- WaveLinx CORE
- WaveLinx PRO
- Wavelinx Lite
- DLVP
- D2W - dim to white
- VividTune

Featured Products

Click on products to **learn more**

LIGHTING

Metalux Cruze
- Latch-less design provides clean architectural look
- Ribbed, smooth, square and round perforated lens options
- Integrated sensor systems - occupancy, daylight and IoT connectivity

Halo HU30 Undercabinet
- Universal voltage operates at 120V - 277V
- 3/4" Sleek profile and even light distribution; Low glare optics
- PIR Motion Sensor option adds convenience and energy savings
- USB optional port charges smart devices
- Lengths: 9", 18", 24", 36" and 48"; White and Matte Black finishes

CONNECTED & CONTROLS SOLUTIONS

VividTune
color tuning solutions

VividTune Technology
- Tunable white solutions – from warm to cool white
- Achieve the right color temperature and light intensity
- Balance circadian rhythms as well provide the best lighting for improved patient experience

WaveLinx CORE Locate Tags
- Ideal for asset management, patient elopement, workflows, staff duress, and infection prevention
- Multiple form factors
- Long battery life

WaveLinx PRO Tilemount Sensor Kit
- Enables 0-10V luminaires to be controlled by WaveLinx PRO
- Provides closed loop daylighting control of non-integrated luminaires
- Hardware capable of Real Time Location Services (RTLS)

Lobby Areas

Space Overview

The lobby is one of the first spaces a person encounters when entering a facility. This space sets the tone for a facility, and presenting a calm, welcoming, and clean ambiance is critical. Combining the architectural styles of Cooper Lighting Solutions fixtures with dim-to-warm and white tuning technologies allows the facility to create this welcoming environment and put visitors at ease.

Design Features

Fixtures
- Downlights, Cylinders, Adjustable, Track, Multi-Head, Linear, Acoustic, Troffer and Decorative
- Variety of shapes, sizes, textures and colors to complement any design

Light Quality
- Precision optics to maximize uniformity
- Multiple color temperature and lumen options

Solutions
- Trellix
- WaveLinx PRO
- Wavelinx Lite
- DLVP
- D2W
- VividTune

Featured Products

Click on products to **learn more**

LIGHTING

Portfolio LER4 / LESQ4	**Portfolio LD4**	**Halo Commercial HC6**
• LED 4" Round and Square Cylinder • W2N Tunable White 2700K-6500K or 2000K-5000K • Lumens: 1,000-4,000; Standard 0-10V dimming down to 1% • WaveLinx PRO and DLVP connected lighting systems compatibility	• LED 4" Round Recessed Downlight or lensed wall wash • W2N Tunable White 2700K-6500K or 2000K-5000K • Lumens: 1,000-6,000; 0-10V dimming down to 1% • WaveLinx PRO and DLVP connected lighting systems compatibility	• Distributions: Precision-formed reflectors in Narrow, Medium and Wide • Wall wash distribution with exclusive rotatable linear spread lens • Lumens: 500 - 6,000 • Universal Voltage 120V – 277V; 0-10V analog dimming down to 1%

CONNECTED & CONTROLS SOLUTIONS

VividTune Technology	**WaveLinx CORE Locate Tags**	**WaveLinx PRO Tilemount Sensor Kit**
• Tunable white solutions – from warm to cool white • Achieve the right color temperature and light intensity • Balance circadian rhythms as well provide the best lighting for improved patient experience	• Ideal for asset management, patient elopement, workflows, staff duress, and infection prevention • Multiple form factors • Long battery life	• Enables 0-10V luminaires to be controlled by WaveLinx PRO • Provides closed loop daylighting control of non-integrated luminaires • Hardware capable of Real Time Location Services (RTLS)

Waiting Area

Space Overview

Create a peaceful and welcoming environment for visitors with dim to warm lighting. Choose lighting that complements patient room designs for a seamless guest experience. Cooper Lighting Solutions offers a variety of recessed and suspended products to create uniquely lit spaces that enhance your room design.

Design Features

Fixtures

- Downlights, Cylinders, Adjustable, Track, Multi-Head, Linear, Acoustic, Troffer and Decorative
- Variety of shapes, sizes, textures and colors to complement any design

Light Quality

- Precision optics to maximize uniformity
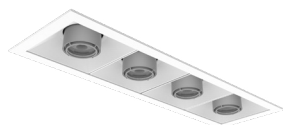- Multiple color temperature and lumen options

Solutions

- WaveLinx CORE
- WaveLinx PRO
- Wavelinx Lite
- DLVP
- D2W
- VividTune

Featured Products

Click on products to **learn more**

LIGHTING

Portfolio LAM4

- 1, 2, 3 or 4 multi-head adjustable
- 355° rotation and 70° tilt
- Interchangeable optics from 10° to 70° in 5° increments
- Lumens: 800 and 1,200, 0-10V 1% dimming standard

Portfolio LDA3 LED

- Distributions: 10° - 70° in 5° increments
- Lockable 365° rotation and 45° tilt holds any aiming position
- Downlight, accent, and pinhole reflectors
- WaveLinx PRO and DLVP connected systems

Portfolio LD4

- New construction downlight for shallow plenum space
- W2N Tunable White 2700K-6500K or 2000K-5000K
- Lumens: 1,000-3,000; 0-10V dimming down to 1%
- WaveLinx PRO and DLVP connected lighting systems compatibility

CONNECTED & CONTROLS SOLUTIONS

VividTune Technology

- Tunable white solutions – from warm to cool white
- Achieve the right color temperature and light intensity
- Balance circadian rhythms as well provide the best lighting for improved patient experience

WaveLinx CORE Locate Tags

- Ideal for asset management, patient elopement, workflows, staff duress, and infection prevention
- Multiple form factors
- Long battery life

WaveLinx PRO Tilemount Sensor Kit

- Enables 0-10V luminaires to be controlled by WaveLinx PRO
- Provides closed loop daylighting control of non-integrated luminaires
- Hardware capable of Real Time Location Services (RTLS)

Examination Room

Space Overview

Typically, the first step in treatment at a medical facility is a visit to an examination room. In an examination room, it is important to not have only sufficient light but also high quality light to properly evaluate a patient's condition. Recently, a shift has been made from utilitarian design of examination rooms to a more aesthetically appealing layout. As part of this shift, the use of lighting that is visually aligned to common spaces in the facility has become more prevalent in these rooms.

Design Features

Fixtures
- Variable light levels through switching or dimming
- Combined use of general and task lighting within space

Light Quality
- 80 CRI minimum, 90 CRI preferred
- Elevated light levels at the examination table
- Required to make qualitative color-based diagnoses

Solutions
- WaveLinx CORE
- WaveLinx PRO

Featured Products

Click on products to **learn more**

LIGHTING

Fail-Safe FSN
- Wet location slot
- Selectable lumen output and CCT
- Easy cleaning with wipe-down design

Portfolio LDSQ4
- LED 4" Square Recessed Downlight or lensed wall wash
- W2N Tunable White 2700K-6500K or 2000K-5000K
- Lumens: 1,000-6,000; 0-10V dimming down to 1%
- WaveLinx PRO and DLVP connected lighting systems compatibility

Halo HU30 Undercabinet
- Universal voltage operates at 120V - 277V
- 3/4" Sleek profile and even light distribution; Low glare optics
- PIR Motion Sensor option adds convenience and energy savings
- USB optional port charges smart devices
- Lengths: 9", 18", 24", 36" and 48"; White and Matte Black finishes

CONNECTED & CONTROLS SOLU-

WaveLinx CORE Locate Tags
- Ideal for asset management, patient elopement, workflows, staff duress, and infection prevention
- Multiple form factors
- Long battery life

WaveLinx PRO Tilemount Sensor Kit
- Enables 0-10V luminaires to be controlled by WaveLinx PRO
- Provides closed loop daylighting control of non-integrated luminaires
- Hardware capable of Real Time Location Services (RTLS)

WaveLinx PRO Wallstation
- Multi-scene selection: Scene
- Raise/Lower, Toggle On/Off
- Clean, elegant, and simple way to control lighting
- Settings programmable through software, no physical adjustments needed

Procedure Room

Space Overview

After or possibly instead of visiting an examination room, a patient will frequently be sent to a procedure room. These rooms are used for minor and minimally invasive procedures where a local anesthetic may be used, but a general anesthetic is unnecessary. Since the patient is typically conscious, it is important to maintain visual comfort for the patient while also ensuring sufficiently high light levels to perform procedures.

Design Features

Fixtures
· Mix of ambient and task lighting
· Fixtures and procedure table should be easily cleaned

Light Quality
· Recommended 80 or 90 CRI
· Elevated light levels required at procedure table

Solutions
· WaveLinx WIRED

Featured Products

Click on products to **learn more**

LIGHTING

Fail-Safe ENW	Fail-Safe UCL	Fail-Safe FLD4B
· Recessed Troffer · Low glare due to WaveStream technology · Easy to clean · Visual alignment with non-medical spaces · Wipe Down	· Undercabinet · Medical undercabinet · Feature loaded - sensor, outlet, and switch · Wipe Down, Antimicrobial	· Recessed Downlight · Easy cleaning with clear full bottom lens · Medium distribution for optical control · Wipe Down

CONNECTED & CONTROLS SOLUTIONS

WaveLinx WIRED Wallstation

· Easily reprogram the system to accommodate changes within your flexible spaces.
· Enhance worker occupant experiences with IoT capabilities to share data with other systems for ventilation and shade control.
· Adapt room light levels and energy savings based on occupancy

Operating Room

Space Overview

In operating rooms, light levels and distributions are key requirements. Bright lights are used to illuminate the space to ensure proper visibility of the patient for surgeons and other medical staff. In addition, modern surgical suites have numerous monitors and displays so eliminating glare by optimizing the lighting layout is of utmost importance.

Design Features

Fixtures
- Prevent air from the plenum space entering into the operating room
- Improves ease of cleaning the fixtures
- Compliance with MIL-STD-461-G for electromagnetic interference control may be required in some facilities

Light Quality
- Very high light levels
- Optical control needed to avoid glare on screens and monitors
- Green LEDs can help with contrast and minimize glare

Solutions
- WaveLinx WIRED

Featured Products

Click on products to **learn more**

LIGHTING

Fail-Safe ORL
- Recessed Troffer
- Operating room troffer
- Green LEDs for glare reduction applications
- High lumen output
- Wipe Down, Antimicrobial

Fail-Safe FLD6B / OR
- Recessed Downlight
- Downlight designed for operating room environments
- Certified for EMI control
- Easy to clean
- Light distribution designed to reduce glare
- Wipe Down, Antimicrobial

CONNECTED & CONTROLS SOLUTIONS

WaveLinx WIRED Wallstation
- Easily reprogram the system to accommodate changes
- Enhance worker occupant experiences with IoT capabilities to share data with other systems for ventilation and shade control.
- Adapt room light levels and energy savings based on occupancy

MRI Suite

Space Overview

MRI (Magnetic Resonance Imaging) rooms use large magnets to create a magnetic field which can be analyzed to generate an image of the body or its parts. As a result, any fixtures used in an MRI suite must be made using non-magnetic components and generate no EMI (Electromagnetic Interference) from their electrical components. It is important to provide a comforting and visually pleasing environment for patients as they undergo MRI scanning.

Design Features

Light Quality
- Light levels in hybrid MRI/Operating Rooms must be higher
- Visual comfort and glare control improve patient experience

Fixtures
- Must be made of non-magnetic materials with power supplies located outside of the MRI room

Solutions
- Power supplies must be located outside of the MRI room shielding area
- Incoming DC power must be filtered before entering the room
- Unfiltered power or AC can cause issues in scan results
- WaveLinx WIRED

Featured Products

Click on products to **learn more**

	Fail-Safe MRI-R6DNLT	Fail-Safe CV-LEL	Fail-Safe MRI-ATR	Fail-Safe MRI-ASR	WaveLinx WIRED Wallstation
LIGHTING	• Recessed Downlight • Non-ferrous downlight • Remote drivers capable of powering up to 15 fixtures • Wipe Down	• Recessed Grid/Surface Wall • Decorative imagery fixtures • Designed to mount on wall or ceiling • Luminous scenery ceilings relax patients • Wipe Down	• Recessed Grid • Non-Ferrous Construction • Remote Drivers • Fully Luminous • Wipe Down	• Recessed Grid • Non-Ferrous Construction • Remote Driver • Lines of Light • Wipe Down	**CONNECTED & CONTROLS SOLUTIONS** • Easily reprogram the system to accommodate changes • Enhance worker occupant experiences with IoT capabilities to share data with other systems for ventilation and shade control. • Adapt room light levels and energy savings based on occupancy

Behavioral Health

Space Overview

Lighting in behavioral or mental health spaces must be designed to meet the unique requirements of these spaces while also performing all the same functions of lighting in traditional healthcare spaces.

Care should be taken to maintain an aesthetic of a healing environment, avoiding products with an institutional feel, thus enhancing the patient experience of the space during treatment.

Design Features

Fixtures

- Fixture security requirements vary with the level of patient supervision
- Robust construction required in unsupervised areas
- Matte finishes help enhance the patient experience and reduce glare

Light Quality

- Use of diffuse lenses is recommended for improved patient comfort

Solutions

- VividTune white tuning technology allows improved patient experience
- WaveLinx CORE

Featured Products

Click on products to **learn more**

LIGHTING				CONNECTED & CONTROLS SOLUTIONS	
Fail-Safe FWL	**Fail-Safe FCZ**	**Fail-Safe ENV**	**Fail-Safe FLD6B**	**WaveLinx CORE Locate Tags**	**VividTune Technology**
• Wall mounted bedlight • Form and construction designed for behavioral health requirements • Matte finish reduces glare	• Recessed Troffer • Sealed center basket fixture • Optics designed to create a relaxing mood for patients • Polycarbonate lenses withstand abuse • Wipe Down, Antimicrobial	• Recessed Troffer • Full bottom lens creates tamper-resistant fixture • Ligature resistant design • Easy to clean • Architectural-style aesthetics • Wipe Down, Antimicrobial	• Recessed Downlight • Bottom trim ring resistant to abuse • Trim ring on fixture prevents patient access • Wipe Down, Antimicrobial	• Ideal for asset management, patient elopement, workflows, staff duress, and infection prevention • Multiple form factors • Long battery life	• Tunable white solutions – from warm to cool white • Achieve the right color temperature and light intensity • Balance circadian rhythms as well provide the best lighting for improved patient experience

Cleanroom & Lab Areas

Space Overview

Many healthcare facilities will have some area requiring higher standards of airborne contaminant control and cleanroom ratings. Some larger facilities may even have research areas where activities may range from pharmaceutical processing to disease research to animal research in dedicated vivarium spaces.

Design Features

Fixtures
- Sealed with IP65 and cleanroom ratings
- Primarily Troffers or slots

Light Quality
- High light levels
- Some applications require narrow spectrum LEDs such as amber or red

Solutions
- Multiple Circuits with dimming control
- Wavelinx Wired control

Featured Products

Click on products to **learn more**

LIGHTING

Fail-Safe CLP
- Cleanroom rated troffer
- IP66, NSF, ISO5 ratings
- Very high light levels
- Narrow spectrum LEDs

Fail-Safe FSP
- Cleanroom rated panel
- IP66, NSF, ISO5 rated
- Fully luminous

Fail-Safe FSN
- Wet Location Slot
- IP66, NSF, ISO5 rated
- Narrow aperture

**CONNECTED & CONTROLS SOLUTIONS**

WaveLinx CORE Locate Tags
- Ideal for asset management, patient elopement, workflows, staff duress, and infection prevention
- Multiple form factors
- Long battery life

WaveLinx WIRED Wallstation
- Easily reprogram the system to accommodate changes
- Enhance worker occupant experiences with IoT capabilities to share data with other systems for ventilation and shade control.
- Adapt room light levels and energy savings based on occupancy

Waiting Area

A100 - A159 >
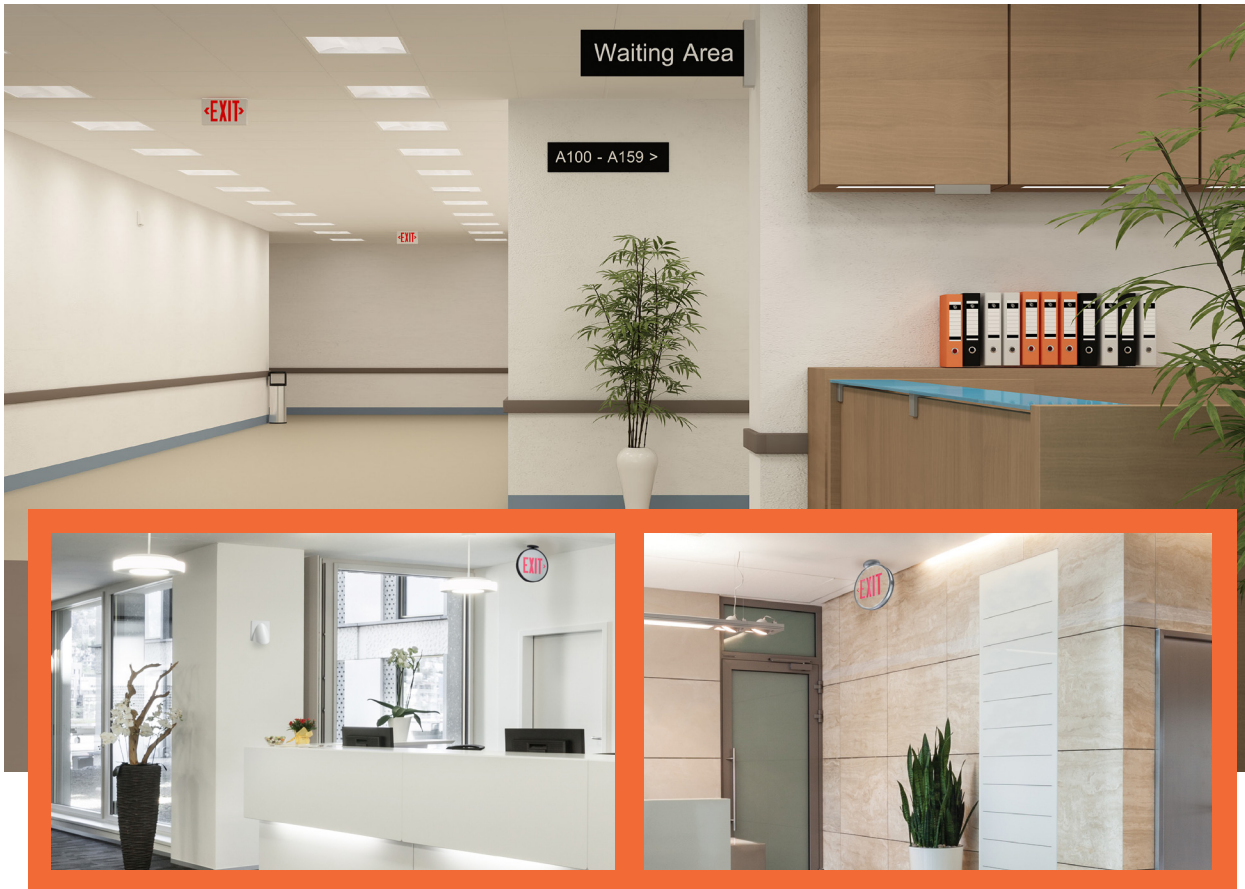
Exit & Emergency Areas

Space Overview

Life safety lighting is an essential part of lighting requirements in a healthcare facility.

Exits must be clearly marked in accordance with code requirements. Exit lights are used in both common areas an specialized areas of a campus, and consideration should be given to the requirements of those spaces when selecting fixtures.

Emergency lighting is also essential, both for illuminating common areas in the event of power loss, as well as providing continuous illumination in medical areas in the event of power failure during.

Design Features

Exit Lighting
- Size and color for code compliance

Emergency Lighting
- Provides 90 minutes of illumination

Solutions
- Self-Diagnostic products to eliminate manual testing
- Inverters to provide large scale emergency power options

Featured Products

Click on products to **learn more**

EXIT LIGHTING

Sure-Lites CX series
- Surface Mount LED Lamps
- NFPA testing automation self-diagnostics standard
- Die-cast aluminum housing
- Signage options available

Sure-Lites EUX series
- LED sign illumination
- NFPA testing automation self-diagnostics standard
- Die-cast aluminum housing
- Edge Lit panel
- Signage options available

Sure-Lites ACE series
- Circular form factor
- Red or green letters
- Surface Mount LED Lamps
- NFPA testing automation self-diagnostics standard
- Die-cast aluminum housing
- Signage options available

EMERGENCY LIGHTING

Sure-Lites EBP
- Emergency battery pack
- Up to 2000 lumens/per fixture
- NFPA testing automation self-diagnostics options
- Install into any fixture
- NYC compliant

Sure-Lites SELA
- 29 ft coverage
- NFPA testing automation self-diagnostics standard
- Custom covers
- NYC compliant

Sure-Lites Inverter
- Emergency inverter
- 20 watt to 50K watts of power
- NFPA testing automation self-diagnostics options
- Never visible

Patient Drop-Off & Walkway Areas

Space Overview

Providing a bright, uniform environment welcomes your patients and aids in helping them navigate the space. Drop off areas and walkways need to be well lit and provide a clear path for patients and staff. Lighting is important to ensure patients can easily identify curbs, ramps, and other obstacles.

Design Features

Fixtures
- Area/Site, Wall Mount, Bollard/Pathway

Light Quality
- Precision optics to maximize uniformity
- Multiple color temperatures

Solutions
- Connected options for maximum control
- Reduced power and maintenance costs

Featured Products

Click on products to **learn more**

LIGHTING

McGraw-Edison BRT6 Bollard
- Pedestrian & Pathway Luminaire
- 4 optical distributions
- Available in 30", 36", and 42" heights
- Up to 4,400 lumens
- Efficacy up to 122 lumens per watt

Invue - ARB Arbor Post Top
- Area & Site LED Luminaire
- Visual Comfort optical configurations
- Up to 9,500 lumens
- Wall mount accessories available
- Integrated connected and stand-alone controls

Invue ClearCurve Wall
- Wall Mount Luminaire
- Visual Comfort and Discrete optical configurations
- Up to 12,000 lumens
- 11 color temperature options
- Integrated connected and stand-alone controls

CONNECTED & CONTROLS SOLUTIONS

WaveLinx PRO Outdoor Fixture Mount Sensor
- Photocell dusk to dawn control
- Passive Infra-Red (PIR) for motion sensing
- Hardware capable of Real Time Location Services (RTLS)

WaveStream™ Optics
- Provides visual comfort
- Reduces glare
- Particularly beneficial for low mounting height, pedestrian applications

Parking Areas

Space Overview

Parking areas are very busy spaces, and it is important that patients and staff can easily navigate the space in a safe manner. Making sure people and vehicles are easily visible reduces the risk of injury. High performing and uniform lighting can help motorists and pedestrians identify risks and increase the feeling of safety and security.

Design Features

Fixtures
- Area/Site, Garage/Canopy, Wall Mount, Pathway

Light Quality
- Precision optics to maximize uniformity
- Multiple color temperatures

Solutions
- Connected options for maximum control
- Reduced power and maintenance costs

Featured Products

Click on products to **learn more**

LIGHTING

McGraw-Edison GALN Galleon II
- Area & Site LED Luminaire
- 16 high-efficiency optical distributions
- Efficacy up to 159 lumens per watt
- Up to 73,500 lumens
- Integrated connected and stand-alone controls

McGraw-Edison TT TopTier
- Garage & Canopy LED Luminaire
- -5 optical distributions
- Up to 13,300 lumens
- Integrated connected and stand-alone controls

Lumark Axcent LED
- Wall Mount Luminaire
- Inverted Wall option
- Up to 17,000 lumens
- Integrated, connected and stand-alone controls

CONNECTED & CONTROLS SOLUTIONS

WaveLinx PRO
Outdoor Fixture Mount Sensor
- Wireless indoor and outdoor advanced control
- Centralized lighting control configuration and management
- Passive Infra-Red (PIR) for motion sensing
- Photocell dusk to dawn control, dimming
- Connects to our WaveLinx CORE IoT platform and it's

WaveLinx LITE
Outdoor Fixture Mount Sensor
- App-based programmable for individual and group control
- Passive Infra-Red (PIR) for motion sensing
- Photocell dusk to dawn control, dimming

Streetworks
FADC Dimming Controller
- Ten position set points for a full selection of lumen levels
- Field adjustable lumen level set-points ranging from 20% - 100%
- Tool-less adjustability provided thru a rotary dial
- Available on full Archeon series

Outdoor Gardens & Patient Areas

Space Overview

Exterior spaces can provide needed areas of relaxation, meditation, and rejuvenation for patients, visitors, and staff. Landscape lighting designs can provide various levels of illumination and color, allowing the designer to create an inviting, calm, and safe luminous environment.

Design Features

Fixtures
- Bollard/Pathway, Landscape, Area/Site, Wall

Light Quality
- Multiple color temperature options

Solutions
- Easy to maintain
- Designs for day form architecture

Featured Products

Click on products to **learn more**

LIGHTING

Invue - ARB Arbor Post Top
- Area & Site LED Luminaire
- Visual Comfort optical configurations
- Up to 9,500 lumens
- Wall mount accessories available
- Integrated connected and stand-alone controls

Lumiere Lanterra
- Landscape lighting
- Single and dual head
- Field changeable optics
- Premium machined
- Stand-alone integral sensor option

Invue Entri Wall
- Wall mount luminaire
- Optional uplight and colored luminous window
- 9 color temperature options

Invue ClearPath Bollard
- Pathway luminaire
- Simple yet architectural form
- Six (6) durable finish options
- Three (3) optical distributions

CONNECTED & CONTROLS SOLUTIONS

WaveLinx PRO Outdoor Fixture Mount Sensor
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- Hardware capable of Real Time Location Services (RTLS)

WaveStream™ Optics
- Provides visual comfort
- Reduces glare
- Particularly beneficial for low mounting height, pedestrian applications

Why Cooper Lighting Solutions?

For more than 50 years, we've partnered with healthcare facilities to unlock the power of lighting to improve wellbeing and sustainability while solving unique business problems. Our solutions are tailored to the complex needs of the industry, balancing application requirements with aesthetics to create spaces that are both hospitable and functional — from the parking lot to nurses' stations to patient suites.

Our extensive luminaire portfolio includes brands that have long been trusted in healthcare applications, like McGraw, Metalux, and Fail-Safe. Paired with integrated sensors, the WaveLinx connected lighting system, and the WaveLinx CORE IoT platform, these solutions provide a foundation for countless operational improvements through valuable facility data and insights.

Imagine having access to real-time data about your facility, assets, and occupants that not only keep people and assets secure, but can be mined to improve everything from workflows to asset utilization.

With the right lighting solution partner, these capabilities are just the beginning.

Our brands
Industry leading lighting and controls solutions

Ametrix | **AtLite** | **Corelite** | **Ephesus** | **Fail-Safe** | **Fifth Light** | **Greengate** | **Halo Commercial** | **Halo** | **Halo Home** | **iLight (230V)** | **Invue** | **iO LED** | **IRiS** | **Lumark** | **Lumiére** | **McGraw-Edison** | **Metalux** | **Modular Wiring Systems (MWS)** | **Neo-Ray** | **RSA** | **Shaper** | **Streetworks** | **Sure-Lites** | **WaveLinx** | **Zero 88**

Lighting Brands
Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
HALO
HALO Commercial
Invue
iO
Iris
Lumark
LumarkAP
Lumière
McGraw-Edison
Metalux
MWS
NeoRay
Portfolio
PrentaLux - 3D Printed Lighting
RSA
Shaper
Streetworks
Sure-Lites

Controls Brands
Greengate
Fifth Light
Intelligent Lighting Controls

Connected Lighting Systems and Smart Spaces Platform
WaveLinx
Trellix Infrastructure

SCAN
for more
Healthcare Solutions
information