We’re Lighting for Life and Health.

Better Light for a Better Healthcare Experience

CREE LIGHTING
Cree Lighting is part of the IDEAL INDUSTRIES family of companies. Like most families, we strive to improve daily life and wellbeing – and that starts with quality healthcare.
Bringing the Best Healthcare Experience to Light.

Most caregivers rarely think about the light that illuminates them or their patients. But in a typical healthcare facility, everyone spends most of their time under artificial lighting – from premature newborns to seniors battling dementia to residents working 36-hour shifts.

The impact of this is significant, for better or worse. It’s our job to make sure it’s for the better.

Our intelligent lighting solutions feature advanced lighting control and color-changing technology to help improve the alertness and morale of your staff, the outcomes and wellbeing of your patients, and the safety and comfort of all who visit. These solutions will also meet your code compliance and conservation mandates while optimizing facility energy and maintenance savings.

Everyone is counting on you to be the best you can be. You can count on us to always have your back.

The Employees of Cree Lighting
“The lighting industry today more fully understands the profound biological, functional and emotional effects lighting has on human health and well-being. Cree Lighting is pursuing new lighting innovations that hospitals and other healthcare providers can use to enhance patient experiences and help medical and other staff do their jobs more effectively.”

Craig Atwater
General Manager,
Cree Lighting
Not Every Healthcare Lighting Benefit is Easy to Calculate on a Spreadsheet.

But They Are All Easy to See.

As researchers continue to unlock lighting’s full potential to enhance human health, healthcare systems and facilities are starting to expect more from their lighting solutions and partners.

Cree Lighting is bringing it.
Our flexible, tunable intelligent lighting solutions make it easy to create dynamic lighting experiences that can help improve patient care and satisfaction, boost staff productivity and morale, increase operational efficiency, create welcoming and relaxing spaces for patients and visitors, and more.

These industry-leading lighting solutions also provide precision task lighting for clinical spaces, soft ambient lighting in visitor areas and patient rooms, and bright, secure parking and area lighting outside.

Of course, exceptional energy and maintenance savings are still “must-haves” for any healthcare facility. But with energy reductions of up to 85 percent and virtually no maintenance costs, Cree Lighting solutions let you achieve better outcomes all around – for patients, staff and your bottom line.
Better lighting can improve alertness, energy levels and mood support for patients, providers and administrators. In some cases, it’s even been shown to reduce the average length of hospital stays.
Bringing the Outdoors into Our Healing Spaces.

Numerous studies have shown that coordinating the lighting in care environments to mimic a day-night cycle helps maintain the natural human circadian cycle vital to optimal patient outcomes and staff performance.

Cree Lighting’s game-changing dynamic skylight solution realistically recreates the sensory experience of being under a natural sky. The Cadiant™ Dynamic Lighting Experience simulates the sun’s dawn-to-dusk, east-to-west movement across the sky – and the gradual change in color temperature of the light – with astounding realism. The result is a unique lighting experience that helps us feel more energized during the day and sleep better at night. In fact, lighting that helps maintain our circadian rhythm may even improve our immune system, lower our stress and reduce our risk for diseases like diabetes, obesity, cancer and mood disorders.
This innovative design with separate sun and sky panels uses advanced lighting control and color-changing technology enabled by SmartCast® Technology to help create an overall scene that fits the needs of each space.

- Standard presets and programmable profiles create a daylighting solution that enhances the experience of the people in the space.
- Dawn, Morning, Midday, Afternoon and Evening presets are also standard; users can easily create and save their own presets with simple control over the light levels and colors profiles.
- A preloaded profile designed specifically for healthcare facilities is included, with the ability to change sky color, CCT and position.
- SmartCast® Technology allows nearby fixtures to harmonize with illumination changes from Cadiant™ luminaires.
- Stand-alone system eliminates IT hassles and specification roadblocks.

Circadian supportive lighting can help lower staff stress and burnout, as well as mitigate a host of problems for patients. Solutions like our Cadiant™ Dynamic Lighting Experience bring interior healthcare spaces alive with a sense of connection to the outdoors.
Every Great Healthcare Experience Starts Here.

Lighting plays an essential role in making sure all your healthcare spaces effectively meet both the clinical and emotional needs of patients, family and staff.

Our lighting solutions for lobbies and waiting rooms let you create bright, welcoming and comfortable areas that set a positive, reassuring tone for everything to come.

Getting this lighting right is also a proven way to help improve your competitive rankings, satisfaction ratings, brand strength and more.

"First impressions are very important for a patient and for their families. Consistently appealing lighting across healthcare facilities and sites can go a long way to establishing a consistent brand and positive patient experience. It’s both modernizing and future-proofing."

Keith Miller, Facilities Director, McLaren Health Care
If lighting values such as color temperature and spectral distribution vary between fixtures in a hospital or clinic setting, it’s not just an aesthetic problem. Providers rely on a patient’s pallor and complexion to provide health indicators of conditions such as jaundice, and to glean diagnostic information from the appearance of rashes, wounds, incisions and tissue samples.
A host of negative consequences can arise from poor light quality, including agitation, fatigue, an inability to focus and higher rates of human error. In contrast, brighter light (of more short, blue wavelengths) has been shown to enhance alertness and wakefulness, enabling faster reactions, fewer lapses in attention and overall better performance on complex visual tasks.

In laboratories and pharmacies, lighting that improves accuracy while minimizing eye strain isn’t optional. It’s an absolute necessity. Cree Lighting solutions reduce eye fatigue by offering flicker-free, low-glare lighting with exceptional clarity, uniformity and superb color rendering. Dimming capabilities also allow staff to easily adjust the lighting to the specific task at hand.
LABS AND PHARMACIES

FLEX Series Troffers
Cadiant™ Dynamic Lighting Experience
ZR Series Troffers
CR Series Troffers
ZR-RK Retrofit Kit
LS Series Surface / Suspended Ambient
LSQ Series Surface / Suspended Ambient
KR Series Downlight
Essentia Series Downlight
CR-T Series Retrofit Downlight
LRX Series Retrofit Downlight
Mood Matters. Let Your Lighting Set the Stage.

Soft, low-glare lighting fosters a calm, soothing atmosphere for patients and families.

Smart, tunable and dimmable, Cree Lighting solutions help you create a tranquil environment that can minimize patient stress and support their natural circadian rhythms.

Less stressed, more comfortable patients have better outcomes, shorter hospital stays and greater satisfaction with their healthcare experience.

For nursing homes and assisted living facilities, lighting intervention tailored to maximally entrain the circadian system has been shown to significantly improve sleep quality, depressive symptoms and agitation behavior in patients with Alzheimer’s and dementia.
Unless You Also Get Performance, Low Cost Won’t Deliver Value.

Corridors, restrooms, administrative offices: if you’re a healthcare or assisted living facility, even the most basic spaces require bright, reliable, low-glare lighting for adequate safety, comfort and performance.

Cree Lighting solutions help you assure your patients and staff that you care about every aspect of their experience, while also providing the rapid payback and real long-term energy and maintenance savings you expect from the industry’s best intelligent lighting solutions.

LED luminaires offer energy-efficient and near maintenance-free lighting for spaces that require both high-efficiency and high-quality general-purpose illumination. Compared to traditional fluorescent and incandescent lighting, you get higher efficacy and longer service life, along with a better lighting experience. That can translate to measurable improvements such as fewer slips and falls, higher patient satisfaction, and improved cleaning and maintenance.
NON-CLINICAL AREAS

- LS Series Surface / Suspended
- CR Series Troffers
- FLEX Series Troffers
- ZR Series Troffers
- ZR-RK Retrofit Kit
- LSQ Series Surface / Suspended
- KR Series Downlight
- Essentia Series Downlight
- CR-T Series Retrofit Downlight
- LRX Series Retrofit Downlight
- Pro Series Lamps

Cadiant™ Dynamic Lighting Experience

Stylus™ Linear Series

EXIT
The Calming Effect of Simple Lines of Light.

The trend toward minimalist, linear lighting design can be applied to foster serenity and relaxation in healthcare spaces. **The Stylus™ Linear Series** is perfect for lobbies and common spaces, with a straight-edge form factor that can be arranged in creative geometric patterns or entrained in long runs of crisp, uniform illumination that tie together lines of sight.

- The ultimate in flexibility, with seven combinations of optics and mounts to mix and match.
- A housing design that will fit virtually any ceiling type, so no healthcare application is out of reach.
- Available in three color temperature options with ultra-smooth dimming to 1%.
- Industry-leading color fidelity, beautiful white light and vibrant natural colors.
- Horizontal corners for geometric patterning offer expanded creativity for space design.
- A diverse selection of intelligent lighting controls offers greater savings, scene-setting, code compliance and a customized lighting experience, whether for a lobby, waiting room or other common area.
Energy efficiency, low maintenance and sustainability will always be important in healthcare, even more now that we’re seeing pandemic-related cost pressures. We’re working to give healthcare facilities ‘triple-win’ solutions that slash energy costs while delivering the highest illumination quality and simplified lighting control.

**Lighting That Reduces Stress - Theirs and Yours**

Patients aren’t the only ones who need recovery time. With a variety of distribution, color quality and light output options, Cree Lighting solutions will let you create spaces that are a respite for visitors and staff, including cafeterias, waiting areas and chapels.

If you’re concerned this means your general lighting has to cost more, we can relieve your anxiety as well. Our solutions blend visual appeal with amazing efficiency, using up to 85 percent less energy than traditional lighting.
Outdoor lighting is also a critical element in shaping visitors’ perceptions of your healthcare facility. With smart controls, you create a variety of lighting environments, optimized for the safety and security of your staff and visitors, while maximizing energy conservation.
Smarter Lighting. Smarter Healthcare.

The healthcare industry is in an era of rapid change driven by multiple factors and technologies, including heightened interest in how light impacts human health. At the same time, most provider systems are under intense pressure to further reduce spiraling healthcare costs, especially in the COVID era.

This is why Cree Lighting carefully designed intelligent lighting control solutions to enable flexible, dynamic lighting experiences while simplifying and automating code compliance for deep energy savings.

As we discover more about lighting’s effects on human biology and behaviors, our lighting control solutions will advantageously position providers to quickly leverage new data for increasingly enhanced patient outcomes and staff performance.

Customers will also be able to leverage our open intelligent control platforms as an evolving “central nervous system” that easily connects their facility’s utilities, HVAC, security and safety systems – making them equally well-prepared for emerging big data applications and the IoT.
Cree Lighting is committed to delivering meaningful innovations that deliver **better, more intelligent healthcare lighting experiences** through our flexible, cost-effective solutions.

SmartCast® Technology orchestrates the optimal environment for both energy efficiency and optimal care by setting parameters for brightness and color, adjusting color temperatures for tasks and patient/staff preferences, and tracking improvements.

In addition, the SmartCast Intelligence Platform™ delivers advanced lighting controls and seamless BACnet integration on a platform future-enabled for smart building and Internet of Things (IoT) applications.

- **Future-Ready** – Our open standards ensure that as your needs change and new technologies come online, your SmartCast® network will stay ahead of the curve.
- **Intuitive** – Self-commissioning lighting networks and an easy-to-use touchscreen give patients, clinical providers and other staff fingertip lighting control with scene-staging capabilities.
- **Secure** – The SmartCast® platform was built from the ground up with industry-leading IT-level security practices and protocols in both stand-alone and web-enabled configurations.
- **Open** – Our API offers an industry-standard interface for BACnet/BMS interoperability, and allows third-party development of virtually limitless IoT applications.
Synapse® SimplySNAP Wireless Lighting Controls

With Synapse® SimplySNAP Wireless Lighting Controls, Cree Lighting luminaires bring intuitive intelligent lighting control to outdoor healthcare facility areas, parking garages and other external spaces.

SimplySNAP by Synapse® provides an intuitive, affordable intelligent lighting control solution that delivers energy savings up to 70% while opening the door to advanced capabilities for data analytics, business value and human-centric lighting.

- Configure and control the network either on-site or remotely.
- No Internet connection, costly integration, third-party hardware or software required.
- Stores and offers real-time access to data needed for optimal energy performance and simplified maintenance.
- Control and customize light levels and set event triggers via schedules, light sensors and motion sensors.
- Store and access data on schedules, power, zones, triggers, alarms and critical events for analytics, maintenance and troubleshooting.
- Upgrade software, add controls and link to your BMS without replacing the existing system.
Lutron Lighting Control Solutions

Offering a range of scalable control solutions, including Lutron Vive wireless solutions, Lutron EcoSystem and Limelight by Lutron, Lutron delivers the full potential of lighting energy savings, personalized control and centralized lighting management across a healthcare facility or campus allowing provider systems to start with control in a single area or space, and expand as time and budget allow.

- **Dimming** – Includes factory-installed controls, wireless daylight sensors, occupancy sensors and Pico remote dimmers to provide a full range of lighting control options to patients, visitors and staff in the space.
- **Integration** – Tie lighting control system into other building management controls via BACnet.
- **Enterprise Vue cloud software** provides remote control and management, supporting code compliance and campus security initiatives.