KBL Series
LED HIGH-BAY/LOW-BAY LUMINAIRE
Introducing the KBL Series from Cree Lighting.
Prepare to Be Impressed.

Ultra-tough efficiency is just the beginning.

High-Bay/Low-Bay fixtures must perform in a wide range of indoor environments. The KBL Series answers that challenge and asks, “What’s next?”

Whether for new construction or retrofits, the KBL Series offers 360° proven performance and reliability – DLC Premium energy efficiency and savings with a broad range of lumen packages, mounting heights and control options.
More than a high-bay/low-bay light fixture.

A complete industrial-strength lighting platform.

The KBL Series is a complete lighting and lighting control solution for virtually every high-bay and low-bay environment.

- **Engineered for ultra-reliability**, the KBL Series’ energy-lean design, impressively long lifetime and rock-steady reliability reduce running costs, maintenance and downtime, letting you focus on what’s really important.

- **Dial in the optimal 21st-century work environment** with specifiable standard options for color temperature, color rendering and intelligent wireless control.

- **Leverage lighting efficiencies and capture the benefits of the KBL Series** with a full range of high-bay and low-bay mounting heights and lumen levels.

- **Ensure precise, uniform illumination** of the work plane, shelves and racking systems with a versatile combination of reflectors, optics and lenses.
Better light for better work.

Brighter, safer, more productive: working under the KBL Series is all upside.

The KBL Series offers two CRI choices: 70 CRI for typical HID replacements and 80 CRI when more precise color rendering is required. An impressive range of lens and reflector options allows you to deliver excellent visibility across every square foot of the workplace.

- **LED lighting can be repeatedly dimmed and switched ON/OFF** with no strike time and no shortened useful life, allowing your KBL Series luminaires to act as dynamic contributors to efficiency, productivity and safety.

- **No costly equipment rental or work stoppages.** No hazardous waste disposal. Just decades of better light.

Lighting that supports the worker: no straining to read labels. No squinting at equipment dials and settings. No struggling to identify, count or align small parts.

The KBL Series is designed with visual comfort in mind. The results provide dramatically better light and reduced glare to support improved morale, higher productivity and an optically cleaner, safer workspace.
Brilliant | Bold | Breakthrough
A more efficient space starts near the ceiling.

At 150 LPW, the KBL Series delivers extreme energy savings and dramatically reduced glare by replacing 100W up to 575W metal halide fixtures across industrial, warehouse, retail, gymnasium, auditorium and hangar environments in both new construction and retrofits.

Warehouses and manufacturing facilities are full of activity, with forklifts, cranes, equipment and people in continuous motion.

While high-bay lighting often illuminates large spaces, much of the critical activity happens on a detail level. Crisp, low-glare, color-accurate lighting aids in accurately reading everything from instrumentation and displays to carton labels, instructional signs and warnings, helping ensure work is completed precisely and safely.

Five lumen packages ranging from 9,000 to 30,000 lumens cover any mounting height and provide 1:1 replacements for traditional light sources.
Better efficiency.  
Bigger savings.  
For payback in as little as 1.5 years.

**Up to 65% energy savings** over metal halide and up to 57% energy savings over T5 fluorescent. And that’s before adding controls.

Payback so fast it’s like buying them from yourself.

- **Up to 150 LPW**, even with the standard reflector installed.
- The KBL Series luminaire is **DLC-Premium certified** for the highest tier of utility rebate eligibility.
- **Low energy usage** combined with maintenance-free performance means savings add up fast.
- Once installed, the KBL Series’ extreme reliability, long life and energy-sipping design provide a low cost of ownership that optional Synapse® SimplySNAP controls lower even further.
Engineered for quick, easy and versatile installation.

There are many ways to configure the KBL Series – and zero installation headaches.

When you’re installing dozens or hundreds of high-bay reflectors thirty or more feet above a factory floor, **tool-free installation is a big time-saver:**

- No screws or screwdriver to handle – or drop into machinery below.
- No screw holes to line up.
- Just line up tabs on the fixture with slots in the reflector, and twist to lock in place.

Plus the KBL Series’ UV {universal mounting} design gives you the installation **versatility that you need on-site.**

- UV mounting readily accommodates both hook-and-cord installation and pendant mount for greater versatility and minimal inventory.

You can mix-and-match the KBL Series’ reflectors, lenses, lumen levels, CCTs, CRI, sensors, wireguards, controls and cordsets to create thousands of configurations to match every detail in your high-bay/low-bay spec.
Be in control of your high-bay lighting... Finally.

Certified Synapse® SimplySNAP wireless controls provide fully-connected control at your fingertips.

Until now, applying control schemes to high-bay/low-bay spaces has been difficult and expensive. Traditional wired controls involve complex mechanical systems with limited functionality, hampered by irregular floorplans, cavernous spaces, cluttered airspace and high ceilings.

All of which makes traditional lighting controls highly impractical or nearly impossible.

The KBL Series overcomes those challenges with a simple, secure and reliable 2.4 GHz wi-fi mesh network that works around obstacles and across expansive layouts to connect up to 1,000 luminaires to a SimplySNAP controller.

Dimming, occupancy sensing, daylight harvesting, zone control – now you can enjoy the full range of energy-saving, productivity-boosting features that are impractical or impossible with traditional HID and fluorescent lighting.

SimplySNAP controls are factory-integrated and rigorously tested for assured compatibility and optimized functionality.
Unlock the full potential of your KBL Series luminaires.

Optional SimplySNAP controls: it’s like factory-installed teamwork.

- Available code-compliant lighting controls for even the most challenging high-bay environments.
- Daylight harvesting, occupancy sensing and zone-controlled scene staging unleash the full potential of LED lighting with deep energy savings and code compliance.
- Up to 40% additional energy savings when a connected lighting solution is implemented, lowering total cost of ownership.
- Simple, mobile-friendly and browser-based UI – no Internet connection, costly integration, third-party hardware or software required.
- Set schedules, control light levels and set event triggers for both individual luminaires and designated areas.
- DLC and Title 24 compliant, with optional BMS integration via BACnet or a REST API.
Blanket coverage: the lumen packages and mounting heights you need.

Every KBL Series lumen level is designated in the model number for intuitive ordering of the right performance package.

- From **9000- to 12,000-lumen options** for 10- to 15-foot low-bay mounting heights.
- **18,000- and 24,000-lumen options** for mounting heights from 15 to 25 feet.
- **30,000-lumen package** for mounting heights from 25 to 40+ feet.

The KBL Series is tough enough for the rigors of industrial, manufacturing and warehouse environments. But all that rugged reliability is housed within a clean, upscale aesthetic that blends nicely with athletic, convention and entertainment venues, grocery and retail environments.
Engineered to extend versatility in every direction.

Features and options to speed and simplify specifying, ordering and installation.

- Factory-installed cord & plug options include extended-length cord sets.

- Emergency Battery Pack as a factory-installed option.

- Optional Programmable Multi-Level (PML) sensor allows sensors to be programmed via remote control.

- Lightweight construction, universal mounting options and tool-less reflector installation optimized for new construction or retrofit projects.

- Standard 5-year warranty and available 10-year warranty.

- Robust 6kV/3Ka transient protection and IP65 sealed optics.

- Flat wireguard and heavy-duty 8AWG (.13") full-body wire-guard protects against stray basketballs, volley balls and intentional impacts.

- Available 45-unit Pallet Pack cuts transit costs and packaging waste while speeding unpacking and box breakdown.