Transport & Logistics Industry Product Guide

A portfolio of industry-leading solutions that are changing the way we look at light.
At Advanced Lighting Technologies (ADLT), customer-driven innovation is nothing new. Together with our partner companies, it has been our constant focus for nearly a quarter of a century. In that time, ADLT have helped revolutionise the lighting industry by making high-quality, sustainable LED lighting affordable and easily available. ADLT have grown into a fully integrated, leading lighting solutions company, providing Cree products that have the most installed outdoor luminaire run time of any manufacturer - more than one billion hours and counting.

ADLT provide an expert customer service and design team that supports businesses overcome any challenges they face. This combined with Cree’s broad set of world class LED solutions will ensure you are backed by industry leaders in this ever more demanding market place. ADLT’s outdoor luminaires, feature Cree BetaLED® Technology and are recognised throughout the world for excellence.

ADLT provides solutions that improve illumination performance, help businesses consume less energy and require less maintenance than traditional lighting solutions.

ADLT remains at the forefront today, developing lighting solutions that improve both our customer’s spaces and their bottom lines.
With new builds or retrofit of existing facilities, ongoing electricity and maintenance costs can be reduced by as much as 60% without sacrificing high levels.

Switching to energy saving luminaires from Advanced Lighting Technologies for interior task lighting and exterior car park and perimeter lighting deliver payback periods as short as 1 year.

In a typical large distribution warehouse, converting from traditional Metal Halide High Bays to LED will result in significant savings.

Contact Advanced Lighting Technologies for a review of lighting options at your business facilities.
LED Interior Commercial & Industrial

The CXB High Bay luminaire by Cree delivers 23,000 lumens with illumination performance to allow one-for-one replacement of 400W metal halide high-bay luminaires and multi-lamp fluorescent high-bay fixtures. Bringing great performance and unexpected value to high-bay applications, the CXB Series obsoletes the need to continue using energy-wasting and high maintenance fluorescent and HID high-bay fixtures.

CXB Series
- Delivered Light Output: 23,000 lumens
- Input Power: 230 watts
- LPW: 100
- CRI: 70
- CCT: 4000K
- Lifetime: Designed to last up to 75,000 hours at 40°C
- Mounting: J-box, pendant, hook and cord

Economically designed, The Flextronics Essentials Bay Series of high output LED fixtures delivers 115° wide distributions, providing excellent fixture-to-fixture cross-over. Essentials Bay fixtures use up to 60% less energy than fluorescent fixtures while delivering similar or greater light output.

Essentials Bay Series
- CCT: 4000K,5000K
- Mounting: Surface mounted, hung by suspension cables or hook mount, or affixed to a rigid stem
- Optional Frosted Lenses and Baffles for glare control
- Dimming options
- Optional occupancy sensors to further reduce energy costs
LED Canopy

Cree canopy lighting provides sustainable, high-performance lighting solutions for exterior canopy applications and building soffits.

CPY Series
- Minimum 70 CRI
- CCT: 5700K
- Direct mount
- Flat or drop lenses available
- Slim, low-profile design
- Easy and quick installation

304 Series™
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Driver centrally located
- Convenient electrical inspection access from below
- Modular, low-profile design

The EDGE™ Surface Mount Canopy
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Dimming options
- Modular, low-profile design
LED Area

Diverse lighting options featuring BetaLED® Technology for car parks, roadways, pathways, security areas and flood applications.

The EDGe® Flood and Area

- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Dimming options
- Modular, low-profile design

The EDGe® Pathway

- Rugged aluminium housing
- Dimming options
- Energy-saving two-level high and low options
- Multiple mounting height options
- 0.3 and 0.5 metre landscape fixture
- 0.9 and 1.1 metre pathway fixture
- 2.4 metre pedestrian fixture

The EDGe™ Area Round

- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Dimming options
- Multiple heights available

LEDway SLM

- Minimum 70 CRI
- IP66
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Dimming options
- Linear single light module accommodates 20 to 60 LEDs
The Pracht series of special luminaires can be installed with confidence to meet high protection categories for applications where heat, cold, high ingress protection, low maintenance and mounting flexibility are required.

Applications
• Food Industry
• Industrial Plants
• Public Transportation
• Warehouses and production facilities
• Station Platforms
• Parking Garages
LED Parking Structure

For new construction or upgrades, achieve a clean, updated appearance with Cree parking structure luminaires that provide superior illumination while using less energy than traditional fixtures.

VG Series
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Low glare
- Dimming options
- Integrated occupancy sensor
- Architectural design

304 Series™
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Driver centrally located
- Convenient electrical inspection access from below
- Modular, low-profile design

The EDGE™ Parking Structure
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Dimming options
- Modular, low-profile design
Cree luminaires for flood and sign lighting provide specific distributions of light for showcasing horizontal and vertical sign surfaces and architectural features.

**LED Flood & Sign**

The **EDGE™ Low Profile Flood**
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Dimming options
- Linear single light module accommodates 20 to 60 LEDs

The **EDGE™ Round Flood**
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- Dimming options
- Multiple heights available

The **EDGE™ High Output Flood and Area**
- Utilises BetaLED® Technology
- Low Profile Modular Design
- Rugged Aluminium Housing
- Exclusive Colorfast DeltaGuard® finish
- CCT: 5700K Standard, 5000K, 4000K
- CRI: Minimum 70 CRI (4000K & 5700K), 90 CRI (5000K)

**OL Series™**
- Minimum 70 CRI
- CCT: 3500K, 4000K, 5700K
- Utilises BetaLED® Technology
- Step and continuous dimming options
- 360° adjustability in 5° increments
- Available in 0.6m, 1.2m and 2.4m lengths
LED Street & Roadway

Cree streetlights with BetaLED® Technology provide high performance and energy-efficient street lighting solutions for street and roadway applications.

LEDway SLM™ Series
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- IP66
- All aluminium housing
- 20 to 60 LED options

LEDway® Series
- Minimum 70 CRI
- CCT: 4000K, 5700K
- Utilises BetaLED® Technology
- IP66
- All aluminium housing

XSP Series
- Minimum 70 CRI
- CCT: 4000K, 5700K
- NanoOptic® Precision Delivery Grid optic
- IP66
Total Systems Approach
A comprehensive engineering philosophy that combines the most advanced LED sources, driver technologies, optics and form into each product.

NanoOptic® Technology
A level of optical control that traditional light source technology cannot provide with over 20 highly efficient optical choices for flexibility.

Colorfast DeltaGuard® Finish Technology
Colorfast DeltaGuard® Finish is the finest industrial-grade finish available, is exclusive to Cree exterior products and poles, and carries an industry-leading 10-year limited warranty.

- Ultraviolet light resistance
- Hard surfacing
- Superior adhesion
- Corrosion resistance
- Fade protection
- Multiple finish options
- Endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions (ASTM Standard B117)