LED Lighting for:
Indoor Parking
& Garages
Reduce operating costs and provide a more inviting and safer parking experience to your patrons with the right LED lighting.
Increasing Safety and Comfort

Good lighting creates a safer and more comfortable environment for parking users.

Parking garages with good lighting are typically perceived as more attractive to users, safer, and easier to use. On the other hand, those with bad lighting and inoperative lights can be perceived as unsafe and poorly managed.

Low lighting uniformity, high glare and too much contrast between bright and dark areas causes discomfort to drivers and pedestrians, reduces visibility, and increases the risk of accidents.

Fixtures must distribute light evenly on the pavement with good vertical illumination, low glare and optimal contrast to provide a safe environment and visual comfort to parking users.

Choosing the right lighting for a parking garage is crucial for the safety and comfort of your customers.
Improving Visibility for Drivers and Pedestrians to Reduce Accidents

Drivers need to see columns, other obstacles, and pedestrians clearly while driving and maneuvering through aisles and parking spaces.

Pedestrians must be able see oncoming cars from a safe distance, identify their car among others and see faces with clarity.
Indoor parking garages can be a punishing environment for electronic equipment, including lighting. The combination of moisture, car emissions, vibrations and extreme ambient temperatures can reduce the performance and life of most lighting installations.

Flex Lighting Solutions’ LED fixtures are engineered to perform in adverse conditions that many other fixtures cannot handle.

Our LED fixtures are rated from -40°C up 65°C and are robustly designed to withstand impacts, vibrations and corrosion, delivering the highest performance for many years.
Increasing Security and CCTV Footage with Improved Illumination

The performance of security cameras relies on the quality, quantity and distribution of light.

Lighting determines if a subject can be seen, from what distance, and if it can be identified at all. For capturing clear and useful footage, your lighting system needs to provide uniform and glare-free lighting.

Avoid excessive contrasts between bright and dark as they cause blind spots to the camera. For best subject recognition, high color rendering is required (CRI≥80).
Maximize Energy Savings and Profit

Most parking garages require artificial lighting 24/7 for safety purposes. This creates an ideal application for highly efficient LED fixtures, allowing you to maximize profit, as lighting accounts for 10% to 15% of the facility’s total expenses.
Reducing your TOTAL COST OF OWNERSHIP

Think twice before buying the cheapest fixtures you see.

They may come at an unexpected price, ending up costing as much as three times the initial investment versus spending money on high quality LED fixtures.

Conventional light sources are expensive to operate while cheap LEDs will not sustain the advertised efficacy, life and light output you expect, forcing you to buy again after a short period of time.

Example:

100 fixtures

Lower Energy Bills
with higher energy efficiency

Our LED fixtures need less wattage than similar fixtures to deliver the same light output, increasing energy savings.

Reduced Maintenance
with longer lasting fixtures

LED fixtures made by Flex Lighting Solutions have a longer life span than conventional fixtures and most competitor LEDs, helping you reduce maintenance costs and time spent replacing lamps, ballasts and drivers.

TOTAL COST OF OWNERSHIP OVER 10 YEARS (24/7)

Energy cost: $0.10/kWh. 24/7 usage. HID (life: 20Khrs, lamp: $12, ballast: $35). Labor: $80/hr
Higher Energy Savings by Adapting Light to Parking Activity

Our LED fixtures can integrate occupancy sensors that detect areas of the parking garage where there is no traffic activity and dim the lights automatically to a pre-selected level. This saves energy while keeping sufficient visibility for pedestrians and vehicles to see at distance.

As soon as presence is detected, lights in the area ramp up instantly for optimal visibility and safety. After a set period of inactivity, lights go back to a dim state to maximize energy savings.

Additional energy savings can be achieved by enabling the daylight function in our occupancy sensors. They measure the ambient light coming from other sources and set the lumen output to meet, but not exceed, the lighting requirements of each area.

In most parking garages, some areas are often not in use. Lighting control systems ensure proper illumination when needed, increasing energy savings and safety.
Seamless Integration with Smart Parking Systems

Manage your facilities from anywhere with OBX cloud-based systems, collect data to gain insights and optimize your business.

Our LED Fixtures easily integrate with Smart Parking Systems, enabling usage optimization based on data and providing higher flexibility and energy savings by allowing to set limits of consumption, illumination by zones, minimum and maximum light levels, time schedules, and measure the amount and frequency of traffic helping to predict future demand.

Fixtures Integrating your Choice of Controls

Flex Lighting Solutions is controls agnostic, letting you choose which control system you want us to install in your fixtures. Our standard offering includes controls from WattStopper, IR-TEC and EnOcean.

Maximum Flexibility with EnOcean Wireless Controls

Reduce infrastructure complexity and installation costs with our LED fixtures equipped with EnOcean wireless controls.

Our fixtures can be ordered with an integrated control module that connects to the EnOcean portfolio of wireless self-powered sensors and switches for maximum flexibility and maintenance-free installations.
Recommended Products

Essentials Series 4.0
LED High Bay with the Highest Performance and Life

Model 2MS - 39 Watts
2 LED Modules, Short Frame
- PATENTS PENDING -

- Lumen Output 6,500 lm
- High Efficacy 159 LPW
- Ultra-Long Life L70 at 309,000 hours
- Rotatable Outer Modules 0°, 45°, 90°, 135°

- Aluminum Heatsinks and Wireway
  Optimized design for maximum heat evacuation, allowing ambient temperatures up to 65°C.

- Emergency Battery Backup
  Optional. Up to 90 minutes duration.

- Wireless Controls
  Integrated EnOcean Module available as an option.

- Rotatable Outer Modules
  To optimize the light distribution.

- Knockout for Integrated Sensors
  Occupancy and Ambient Light Detection.

- Clear, Frosted and Aisle Lenses available
  Clear and Frosted: Area lighting with high uniformity. Aisle: Directs the light to the center of aisles and to the floor.

- Dust Resistant and Wet Location Rated
  Available as options.

- Mounting Options
  - Surface Mount
  - Hook and Loop
  - Hanger
  - Rigid Stem
  - Plate Mount

Other Recommended Models (same features as above)

Model 2MS - 50 Watts
Highest Efficacy: 165LPW 8,300 lm

Model 2MS - 62 Watts
High Lumen Output 9,800 lm

Model 2MS - 81 Watts
Very High Lumen Output 12,300 lm
Hosedown Series 2.0
Industry’s Most Efficient Vaportight Fixtures

Rugged Housing, Corrosion Resistant
Injection molded UL 94 5VA fiberglass housing (will not melt or burn).

Easy Access with Latches
Available in plastic and stainless steel. Provides toolless access to all components and wiring in seconds.

Strong Ingress Protection
Up to IP69K and NEMA 4X Rated.

Lumen Output
6,000 lm

High Efficacy
142 LPW

Ultra-Long Life
L70 at 235,000 hours

Water Pressure
up to 1,500 psi

Emergency Battery Backup
Optional. Up to 90 minutes duration.

High Efficient and Sturdy Lenses
Acrylic and UV stabilized. Improves illumination and lasts longer.

Internal Occupancy Sensor
Tampered resistance. Fully protected from the environment. Doppler technology.

Other Recommended Models (same features as above)

Model 4N - 40 Watts
Model 4N - 83 Watts
Model 2N - 76 Watts

6,000 lm
12,000 lm
Industry’s smallest 12,000 lm vaportight fixture
Recommended Products

Linear Series 2.0
Linear LED Fixtures and Retrofit Kits to Upgrade Existing Fluorescent Fixtures

Model 4' - 33 Watts
4ft Long Housing

- Lumen Output
  4,500 lm
- High Efficacy
  140 LPW
- Ultra-Long Life
  L70 at 309,000 hours
- Universal Retrofit
  multi-width 3.25" to 5.5"

- High Efficient Frosted Lenses
  Acrylic. Improves illumination and lasts longer.
- Modular Design
  Concatenate 4' sections to create 8', 12' and longer continuous lights.
- Steel Housing
  Robust and durable.
- Emergency Battery Backup
  Optional. Up to 90 minutes duration.
- Wireless Controls
  Integrated EnOcean Module available as an option.
- Occupancy Sensors
  Integrated and in-line with the fixture.

Available Models

Stand-alone Fixture
Back Box included

Retrofit Kit
Back Box not included

Retro Multi-Width Kit
Back Box not included
Bracket included

Can be installed surface mounted or suspended (with hanger kit).
Utilizes existing housing. Compatible with standard back boxes 4½" wide.
Utilizes existing housing. Adjusts to any back box from 3.25" to 5.5" in width.
MGM Resorts International chooses Flex for lighting energy efficiency parking campaign

Company: MGM  
Location: Las Vegas, USA  
Building: Indoor Parking

Project: MGM participated in the lighting energy efficiency in parking campaign (LEEP) in partnership with the US Department of Energy in order to have more sustainable parking facilities and save energy resources.

Challenge: MGM was looking for a modern fixture with very high efficacy, featuring integrated motion sensors and daylight harvesting to maximize energy savings. Light fixtures needed to stay at low light output when no activity is detected and instantly come to full brightness when motion is detected, providing optimal visibility and increased safety.

Solution: After testing multiple vendors, MGM selected the Essentials Series LED fixtures to achieve their sustainability goals. They installed 11,852 Essentials Series 2MS LED fixtures with integrated occupancy and daylight sensors in multiple parking garages throughout Las Vegas.

"We wanted a modernized fixture that provides levels of control (...) they only turn at night or when they need to. (...) Provides guest security and helps security guards draw attention if there is something that needed to be attended."

Chris Magee  
VP Sustainable Facilities - MGM Resorts

Installed Fixtures

11,852 x Essentials Series 2MS
Your Lighting Partner of Choice

Flex Lighting Solutions is a global manufacturer of innovative, reliable and high-performance LED fixtures for industrial and commercial applications. We help businesses and property managers lower their utility bills, meet energy efficiency targets and reduce their total cost of ownership.

Pre-Sales Support
- Design Consulting
- Field Survey Analysis
- Project Design / Fixture Layout
- Specials / Custom Products
- Business Case / ROI Calculation

Post-Sales Support
- Helpdesk
- Field Installation Support
- L70 Replacement Warranty
- Fixture Repair Support
- Spare Parts Access

Why Flex Lighting Solutions?

Best Thermal Management
Our LED luminaries are designed to perform at higher ambient temperatures than others.

Superior Lumen Maintenance
Our LED fixtures maintain higher lighting levels over time than other LED products.

Lowest Total Cost of Ownership
We provide the best combination of cost, efficacy and life for your lowest total cost of ownership.

Warranty Replacement
We stand behind the quality and performance of our products with an up to 10-year warranty.

Responsive Customer Support
Our inside sales and technical support teams are experienced to solve all your lighting needs.

QuickShip Program
Access to our fastest-moving fixtures. We guarantee your order will ship in 2 business days.