



GH TECHNO WORLD

INDUSTRIAL LIGHTING

ISO 9001:2015 CERTIFIED COMPANY

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About Us

Our company was established in 2014, and since then, we have been working in the field of lighting products serving numerous clients across the country.

We Provide an advanced energy-efficient, power-saving, and long-lasting solution for industries, hospital, fuel stations, roads, etc. floodlights, street lights, high bay lights, mid bay lights, and inspection lamp. We manufacture an advanced range of lighting products by maintaining quality control at every step of the production process.

Our Vision

Our vision is to be the leader in the industry and a consumer's First choice.

We strive to fulfil this every day by being open to changes and constantly improving ourselves. We at GH Group believe in enhancing the quality of life of our customers.

Sustainable aware organization

Our core business strategy has sustainable embedded into it right from the beginning. We believe in giving back to the community and adapting to the importance of being social and environment-conscious in all that we do.

Mission

To design, manufacture, and deliver reliable, energy-efficient, and technologically advanced lighting solutions that enhance industrial safety, productivity & sustain ability, while consistently exceeding customer expectations through quality, innovation, and service excellence.

Core Values



Integrity



Trust



Customer Delight



Innovation

SENSOR-BASED LED HIGHBAY LUMINAIRE

Smart Industrial Lighting



“Smart sensing, Powerful illumination, maximum efficiency”

Product Overview

The GH TECHNO WORLD Sensor-Based LED Highbay is engineered for intelligent energy control in industrial environments. The side-mounted motion sensor provides accurate detection, easy maintenance, and optimal performance.

| Parameter | Specification |
|--------------------|---------------------------------|
| Wattage | 80W / 100W / 150W / 200W / 250W |
| Luminous Efficacy | 180 lm/W |
| Input Voltage | 90–310V AC, 50/60Hz |
| CCT Options | 4000K / 5000K / 5700K / 6500K |
| CRI | >80 |
| Beam Angle | 60° / 90° / 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Up to 70% Energy Savings
- ✓ Automatic ON/OFF Operation
- ✓ Improved Worker Safety
- ✓ Extended Luminaire Life
- ✓ Ideal for 24×7 Industrial Operations

Performance & Safety Benefits

- ▷ No Occupancy → Light OFF / Dimmed
- ▷ Motion Detected → Sensor Activates
- ▷ Work Zone Active → 100% Illumination
- ▷ Inactivity → Returns to Dim / OFF Mode

ETHERNET-ENABLED SMART LIGHTING SYSTEM

Smart Lighting System



Product Overview

GH TECHNO WORLD Ethernet Smart High Bay is an advanced industrial luminaire designed for Industry 4.0 environments. Integrated with Ethernet (LAN) connectivity, it enables real-time monitoring, centralized control, energy analytics, and automation, making it ideal for smart factories, warehouses, logistics hubs, and infrastructure projects.

| Parameter | Specification |
|--------------------|---------------------------------|
| Wattage | 80W / 100W / 150W / 200W / 250W |
| Luminous Efficacy | 180 lm/W |
| Input Voltage | 90–310V AC, 50/60Hz |
| CCT Options | 4000K / 5000K / 5700K / 6500K |
| CRI | >80 |
| Beam Angle | 60° / 90° / 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Ethernet (RJ45) based smart lighting
- ✓ Centralized control via BMS/SCADA/Web dashboard
- ✓ Real-time power, voltage & energy monitoring
- ✓ Dimming & scheduling through LAN network
- ✓ Optional integration with sensors & automation systems
- ✓ High-efficiency LED light engine
- ✓ Industrial-grade robust construction

Performance & Safety Benefits

- ▷ Up to 60% energy savings
- ▷ Predictive maintenance ready
- ▷ Reduced wiring & manual control
- ▷ Future-ready smart infrastructure
- ▷ Long life > 50,000 hours

LINEAR MODULE HIGH BAY LED LIGHT

Industrial High-Performance LED Luminaire



Product Overview

The Linear Module High Bay LED Light is designed for large industrial and commercial interiors requiring uniform, glare-controlled illumination. Its modular linear design ensures high lumen output, excellent heat dissipation, and easy maintenance, making it ideal for warehouses, factories, logistics hubs, and production facilities.

| Parameter | Specification |
|--------------------|--|
| Wattage | 50W / 100W / 150W / 200W / 250W / 300W |
| Luminous Efficacy | ≥180 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5700K / 6500K |
| CRI | >80 |
| Beam Angle | 90° / 120° / Asymmetric (optional) |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Modular linear LED architecture
- ✓ High luminous efficacy with uniform light distribution
- ✓ Robust aluminium housing with powder coating
- ✓ Low glare optical design (UGR compliant options)
- ✓ Long operational life with minimal maintenance
- ✓ Suitable for continuous industrial operation

UFO – RING LENS OPTICAL DESIGN

Industrial Lighting



“Compact UFO design with precision ring lens optics.”

Product Overview

The Industrial LED Highbay – UFO Ring Lens Type is a compact, high-performance luminaire engineered for uniform, glare-controlled illumination in large industrial spaces. The ring-type secondary optical lens distributes light evenly across wide areas, minimizing dark spots and improving visual comfort, making it ideal for warehouses, production floors, & logistics facilities. Its UFO compact design ensures easy installation, excellent thermal management, and long service life

| Parameter | Specification |
|--------------------|------------------------|
| Wattage | 100W / 150W / 200W |
| Luminous Efficacy | ≥ 150 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 45° / 60° / 90° / 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Stable performance in high-temperature environments
- ✓ High efficiency with fewer luminaires
- ✓ Long operational life (>50,000 hours)
- ✓ Reduced maintenance & operational costs

Performance & Safety Benefits

- ▷ Uniform circular light distribution
- ▷ Reduced glare & shadowing
- ▷ Consistent lux levels across wide floor areas
- ▷ Improved visual comfort for workers

WELL GLASS LED HIGH BAY

Industrial Lighting



“Rugged well glass design for demanding industrial environments.”

Product Overview

The Well Glass LED High Bay is a rugged industrial luminaire designed for harsh environments requiring dust-, moisture-, and impact-resistant lighting. Featuring a sealed glass enclosure with a protective cage (optional), it delivers reliable illumination for factories, warehouses, utilities, and outdoor–indoor transition zones.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 30W / 50W / 70W / 100W |
| Luminous Efficacy | ≥ 130–160 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Well glass construction for superior protection
- ✓ High-efficiency LED light source
- ✓ Sealed design suitable for dusty & humid areas
- ✓ Optional wire guard / cage for impact resistance
- ✓ Robust die-cast aluminium housing
- ✓ IP65 / IP66 protection options
- ✓ Long life, low maintenance

Performance & Safety Benefits

- ▷ Reliable operation in dusty & humid conditions
- ▷ Uniform wide-area illumination
- ▷ Strong mechanical protection against impacts
- ▷ Energy-efficient replacement for CFL / HPS well glass
- ▷ Long operational life (>50,000 hours)

BATTERY BACKUP UNIT – LED HIGH BAY

Industrial Emergency Lighting



“Reliable illumination when power fails – safety without compromise.”

Product Overview

The Battery Backup Unit LED High Bay is an advanced industrial luminaire designed to provide uninterrupted illumination during power failures. Integrated with a reliable emergency battery backup system, it automatically switches to emergency mode, ensuring safe evacuation, operational continuity, and compliance in critical industrial environments. Ideal for factories, warehouses, logistics hubs, and utility areas where safety lighting is mandatory

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 30W / 50W / 70W / 100W |
| Luminous Efficacy | ≥ 130–150 lm/W |
| Input Voltage | 120–277V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ In-built Emergency Battery Backup Unit
- ✓ Automatic changeover to emergency mode on power failure
- ✓ High-efficiency LED light source
- ✓ Maintained / Non-Maintained operation options
- ✓ Robust die-cast aluminium housing
- ✓ Excellent thermal management
- ✓ IP65 industrial protection
- ✓ Long battery & LED life

Performance & Safety Benefits

- ▷ Ensures illumination during power outages
- ▷ Improves worker safety & evacuation visibility
- ▷ Reduces risk of accidents & downtime
- ▷ Complies with industrial safety norms
- ▷ Long operational life (>50,000 hours LEDs)

HIGHBAY COB LED with Optical LENS

Industrial Lighting



“High-intensity COB power with precision lens control.”

Product Overview

The Industrial LED Highbay – COB Lens Type is designed for high-ceiling industrial environments requiring high-intensity, focused illumination with excellent uniformity.

Using advanced COB (Chip on Board) LED technology combined with precision optical lenses, this highbay delivers high lux levels, reduced glare, and superior light control for demanding industrial operations.

| Parameter | Specification |
|--------------------|------------------------|
| Wattage | 100W / 150W / 200W |
| Luminous Efficacy | ≥ 160 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 45° / 60° / 90° / 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ High-power COB LED light source
- ✓ Precision optical lens for focussed beam control
- ✓ High lumen output with excellent uniformity
- ✓ Low glare design for worker comfort
- ✓ Heavy-duty die-cast aluminium housing
- ✓ High thermal efficiency for long LED life
- ✓ IP65 protection for harsh environments

Performance & Safety Benefits

- ▷ Highly focussed beam for high mounting heights
- ▷ Higher lux concentration at floor level
- ▷ Reduced light spill & glare
- ▷ Ideal for racked warehouses & production bays

INDUSTRIAL LED HIGHBAY 5050 SMD LED (with Optical LENS)

Industrial Lighting



“High lumen power. Precision lens optics. Built for industry.”

Product Overview

The Industrial LED Highbay with 5050 SMD LEDs and Optical Lens is designed for high-ceiling industrial applications requiring high lumen output, controlled light distribution, and long service life. Advanced secondary lens optics ensure focussed illumination, reduced glare, and uniform light spread across large working areas.

| Parameter | Specification |
|--------------------|--|
| Wattage | 80W / 100W / 150W / 200W / 250W / 300W |
| Luminous Efficacy | ≥ 180 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 4000K / 5000K / 5700K / 6500K |
| CRI | >80 |
| Beam Angle | 60° / 90° / 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ High-efficiency 5050 SMD LED Chips
- ✓ Precision Optical Lens for controlled beam
- ✓ High lumen output with uniform illumination
- ✓ Low glare design for visual comfort
- ✓ Robust die-cast aluminium housing
- ✓ Industrial-grade IP65 protection
- ✓ Long life, low maintenance solution

Performance & Safety Benefits

- ▷ Focused light on work areas
- ▷ Reduced light spill & glare
- ▷ Higher lux levels at floor height
- ▷ Ideal for racked warehouses & production lines

LED MID BAY LIGHT

Industrial Lighting



“Efficient illumination for medium-height industrial spaces.”

Product Overview

The Industrial LED Mid Bay Light is designed for medium-height industrial and commercial spaces where efficient, uniform illumination and reliability are essential. Optimized for mounting heights of 4–8 meters, mid bay luminaires deliver balanced light output, lower glare, and excellent energy efficiency, making them ideal for workshops, warehouses, and production areas.

| Parameter | Specification |
|--------------------|--------------------------|
| Wattage | 50W / 100W / 150W / 200W |
| Luminous Efficacy | ≥ 150 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Optimized for medium mounting heights (4–8 m)
- ✓ High-efficiency LED light source
- ✓ Uniform light distribution with reduced glare
- ✓ Robust die-cast aluminium housing
- ✓ Excellent thermal management for long life
- ✓ IP65 protection for industrial environments
- ✓ Energy-efficient replacement for conventional HPS / MH fixtures

Performance & Safety Benefits

- ▷ High brightness with lower wattage
- ▷ Even illumination across work areas
- ▷ Reduced eye strain & improved worker comfort
- ▷ Long operational life (>50,000 hours)
- ▷ Low maintenance & operating cost

FLAMEPROOF MULTI-LED HIGH BAY

Flameproof Lighting



“Certified safety lighting for hazardous and explosive environments.”

Product Overview

The Flameproof Multi-LED High Bay is a heavy-duty industrial luminaire designed specifically for hazardous and explosive environments. Built with a robust flameproof enclosure and multiple high-efficiency LED modules, it ensures safe, reliable, and uniform illumination in areas with the presence of flammable gases, vapors, or dust.

Ideal for Zone 1, Zone 2, Zone 21, and Zone 22 industrial locations where safety compliance is critical.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 50W / 70W / 100W / 150W |
| Luminous Efficacy | ≥ 130–180 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Certified flameproof / explosion-proof construction
- ✓ Multi-LED module design for uniform illumination
- ✓ Heavy-duty die-cast aluminium alloy housing
- ✓ Thick toughened glass with metal guard (optional)
- ✓ High lumen output with low glare
- ✓ Superior thermal management for long life
- ✓ IP66 protection for harsh environments
- ✓ Corrosion-resistant industrial finish

Performance & Safety Benefits

- ▷ Prevents ignition of surrounding explosive atmosphere
- ▷ Withstands internal explosion without flame propagation
- ▷ Multi-LED design ensures redundancy & consistent output
- ▷ Safe operation in continuous hazardous conditions

FLAMEPROOF INDUSTRIAL LED TUBE LIGHT

Flameproof Lighting



“Explosion-proof tubular lighting for hazardous industrial zones.”

Product Overview

The Flameproof Industrial LED Tube Light is a rugged, explosion-proof luminaire designed for hazardous and high-risk industrial environments where flammable gases, vapors, or combustible dust may be present. Its sealed flameproof enclosure, combined with a high-efficiency LED tube system, ensures safe, uniform, and reliable illumination while meeting strict safety standards. Ideal for Zone 1, Zone 2, Zone 21, and Zone 22 hazardous areas.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 20W / 40W / 60W |
| Luminous Efficacy | ≥ 130–150 lm/W |
| Input Voltage | 120–277V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Flameproof / Explosion-Proof construction
- ✓ High-efficiency LED tube / batten design
- ✓ Heavy-duty aluminium alloy housing
- ✓ Toughened glass / polycarbonate diffuser
- ✓ Optional wire guard / protective cage
- ✓ Corrosion-resistant industrial coating
- ✓ IP66 protection for harsh environments
- ✓ Long life & low maintenance

Performance & Safety Benefits

- ▷ Prevents ignition of surrounding explosive atmosphere
- ▷ Withstands internal sparks without external flame propagation
- ▷ Sealed construction for dust & moisture resistance
- ▷ Safe, continuous operation in hazardous zones

FLAMEPROOF COB LED STREET LIGHT

Flameproof Lighting



“Explosion-proof COB street lighting for hazardous outdoor environments.”

Product Overview

The Flameproof COB LED Street Light is purpose-built for hazardous outdoor and semi-outdoor areas where flammable gases, vapors, or combustible dust may be present. Using high-power COB LED technology within a certified flameproof enclosure, it delivers powerful, uniform roadway illumination with uncompromised safety and reliability.

Ideal for process plants, refineries, oil & gas yards, chemical facilities, and hazardous roadways.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 50W / 100W / 150W |
| Luminous Efficacy | ≥ 130 –160 lm/W |
| Input Voltage | 120–277V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Certified flameproof / explosion-proof construction
- ✓ High-intensity COB LED light source
- ✓ Precision optics for roadway-grade light distribution
- ✓ Heavy-duty die-cast aluminium alloy housing
- ✓ Toughened glass cover with gasket sealing
- ✓ Corrosion-resistant industrial coating
- ✓ IP66 protection for harsh outdoor environments
- ✓ Long life & minimal maintenance

Performance & Safety Benefits

- ▷ Prevents ignition of surrounding explosive atmosphere
- ▷ Withstands internal sparks without flame propagation
- ▷ COB LED ensures high lumen density with fewer sources
- ▷ Safe, stable operation in continuous hazardous conditions

FLAMEPROOF COB LED HIGH BAY

Flameproof Lighting



“Certified flameproof COB high-bay lighting for hazardous industrial zones.”

Product Overview

The Flameproof COB LED High Bay is engineered for hazardous and explosive industrial environments where safety, reliability, and high illumination levels are critical. Utilizing high-power COB LED technology inside a certified flameproof enclosure, it delivers high lux output with controlled optics while preventing ignition of surrounding flammable atmospheres. Suitable for Zone 1, Zone 2 (Gas) and Zone 21, Zone 22 (Dust) applications.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 60W / 100W / 150W |
| Luminous Efficacy | ≥ 130–160 lm/W |
| Input Voltage | 120–277V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Certified flameproof / explosion-proof design
- ✓ High-intensity COB LED for powerful illumination
- ✓ Precision optics for focussed, glare-controlled lighting
- ✓ Heavy-duty die-cast aluminium alloy housing
- ✓ Thick toughened glass with high-temperature gasket
- ✓ Excellent thermal management for long LED life
- ✓ IP66 protection for harsh industrial conditions
- ✓ Corrosion-resistant industrial coating

Performance & Safety Benefits

- ▷ Prevents flame propagation to external explosive atmosphere
- ▷ Withstands internal ignition without enclosure failure
- ▷ COB LED provides high lumen density with fewer light sources
- ▷ Stable performance in continuous hazardous operations

FLAMEPROOF CLEAN ROOM LED LIGHT

Flameproof Lighting | Hygienic Luminaire



“Explosion-proof, hygienic lighting for hazardous clean room environments.”

Product Overview

The Flameproof Clean Room LED Light is purpose-engineered for hazardous, contamination-controlled environments where explosion safety and hygiene are both critical. Featuring a certified flameproof enclosure with a sealed, smooth, dust-free design, it delivers uniform, glare-controlled illumination while preventing ignition of flammable gases or dust.

Ideal for pharmaceutical cleanrooms in hazardous zones, chemical processing areas, biotech facilities, and sterile production lines.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 30W / 40W / 60W |
| Luminous Efficacy | ≥ 130–150 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Certified flameproof / explosion-proof construction
- ✓ Cleanroom-compatible sealed design (no dust traps)
- ✓ Smooth, flush surfaces for easy cleaning & sanitation
- ✓ High-efficiency LEDs with uniform illumination
- ✓ IP66 protection against dust & moisture
- ✓ Chemical- and corrosion-resistant housing
- ✓ Low flicker, low glare for inspection tasks
- ✓ Long life & minimal maintenance

Performance & Safety Benefits

- ▷ Prevents ignition of surrounding explosive atmosphere
- ▷ Dust-tight, moisture-tight sealed construction
- ▷ Flush design eliminates contamination points
- ▷ Uniform, shadow-free light for precision work
- ▷ Safe continuous operation in hazardous clean zones

LENS LED STREET LIGHT

Industrial Secondary Optics Roadway Luminaire



“Precision lens optics for safer, smarter street lighting.”

Product Overview

The Lens LED Street Light is designed for precise roadway illumination using secondary optical lenses that control light distribution accurately on roads, highways, and industrial campuses. Advanced lens optics reduce glare, improve uniformity, and minimize light spill, delivering safer, more efficient outdoor lighting.

Ideal for urban roads, highways, industrial streets, parking areas, and campuses.

| Parameter | Specification |
|--------------------|--|
| Wattage | 40W / 60W / 100W / 150W / 200W / 250W / 300W |
| Luminous Efficacy | ≥ 180 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Secondary optical lens system for controlled distribution
- ✓ High-efficiency LED modules with uniform output
- ✓ Reduced glare & light spill (cut-off optics)
- ✓ Robust die-cast aluminium housing
- ✓ Excellent thermal management for long life
- ✓ IP66 protection for outdoor environments
- ✓ Surge protection for grid reliability

Performance & Safety Benefits

- ▷ Energy-efficient replacement for HPSV / MH street lights
- ▷ Longer LED life ($>50,000$ hours)
- ▷ Lower maintenance & operating cost
- ▷ Stable performance in harsh outdoor conditions

PRIMARY LENS LED STREET LIGHT

Industrial Secondary Optics Roadway Luminaire



“Integrated primary optics for efficient, reliable street lighting.”

Product Overview

The Primary Lens LED Street Light uses integrated primary optics built directly onto the LED package to deliver efficient, uniform roadway illumination with a compact, lightweight design. By eliminating secondary lenses, this luminaire offers high system efficiency, reduced optical losses, and excellent reliability—ideal for municipal and industrial outdoor lighting projects.

| Parameter | Specification |
|--------------------|--|
| Wattage | 40W / 60W / 100W / 150W / 200W / 250W / 300W |
| Luminous Efficacy | ≥ 180 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Integrated primary lens optics (no secondary lens required)
- ✓ High system efficiency with minimal optical loss
- ✓ Uniform light distribution with reduced glare
- ✓ Compact, lightweight luminaire design
- ✓ Robust die-cast aluminium housing
- ✓ Excellent thermal management for long LED life
- ✓ IP66 protection for outdoor environments

Performance & Safety Benefits

- ▷ Higher overall efficiency due to fewer optical components
- ▷ Consistent light distribution across roadway
- ▷ Reduced glare and improved visual comfort
- ▷ Lightweight design for easier installation & maintenance

PRIMARY LENS LED FLOOD LIGHT

Integrated Optics Area Luminaire



“Integrated primary optics for powerful, efficient flood lighting.”

Product Overview

The Primary Lens LED Flood Light utilizes integrated primary optics built directly onto the LED package to deliver high-efficiency, wide-area illumination with minimal optical loss. By eliminating secondary lenses, this flood light offers higher system efficiency, compact design, and long-term reliability, making it ideal for large outdoor and industrial lighting applications.

| Parameter | Specification |
|--------------------|---|
| Wattage | 50W / 100W / 150W / 200W / 300W / 400W / 500W |
| Luminous Efficacy | ≥ 180 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Integrated primary lens optics (no secondary lens)
- ✓ High luminous efficacy with reduced optical loss
- ✓ Uniform flood distribution with low glare
- ✓ Compact, robust luminaire design
- ✓ Heavy-duty die-cast aluminium housing
- ✓ Excellent thermal management
- ✓ Ip66 protection for outdoor environments
- ✓ Surge protection for electrical safety

Performance & Safety Benefits

- ▷ Energy-efficient replacement for metal halide flood lights
- ▷ Long operational life ($>50,000$ hours)
- ▷ Lower maintenance & operational costs
- ▷ Stable performance in harsh outdoor environments

SECONDARY LENS LED FLOOD LIGHT

Advanced Secondary Optics Area Luminaire



“Precision secondary optics for powerful, glare-controlled flood lighting.”

Product Overview

The Secondary Lens LED Flood Light is engineered with precision secondary optical lenses mounted over high-efficiency LED modules to deliver accurate beam control, reduced glare, and uniform area illumination. Secondary optics enable tailored beam patterns for large outdoor and industrial spaces, improving lighting efficiency while minimizing light spill. Ideal for yards, stadiums, facades, ports, and industrial compounds.

| Parameter | Specification |
|--------------------|---|
| Wattage | 50W / 100W / 150W / 200W / 300W / 400W / 500W |
| Luminous Efficacy | ≥ 180 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Precision secondary lens optical system
- ✓ Accurate beam control for area & façade lighting
- ✓ Reduced glare & minimized light spill
- ✓ High-efficiency LED modules
- ✓ Heavy-duty die-cast aluminium housing
- ✓ Advanced thermal management for long life
- ✓ IP66 protection for outdoor environments
- ✓ High surge immunity for electrical safety

Performance & Safety Benefits

- ▷ Energy-efficient replacement for metal halide flood lights
- ▷ Long service life (>50,000 hours)
- ▷ Lower maintenance & operational costs
- ▷ Stable performance in harsh outdoor conditions

INDUSTRIAL CLEAN ROOM LED LIGHT

Industrial Dust-Free | Hygienic Luminaire



“Sealed, hygienic lighting engineered for contamination-controlled environments.”

Product Overview

The Industrial Clean Room LED Light is engineered for contamination-controlled environments where hygiene, uniform illumination, and sealed construction are essential. With a flush, dust-free design and high ingress protection, it prevents particle accumulation and supports strict clean room protocols.

Ideal for pharmaceuticals, food processing, electronics, laboratories, and healthcare facilities.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 40W / 80W |
| Luminous Efficacy | ≥ 130–150 lm/W |
| Input Voltage | 120–277V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ Clean room-compatible sealed design
- ✓ Smooth, flush surface to prevent dust accumulation
- ✓ High-efficiency LEDs with uniform glare-controlled output
- ✓ IP65 / IP66 protection against dust & moisture
- ✓ Chemical-resistant housing & diffuser
- ✓ Low flicker for visual comfort
- ✓ Long life & low maintenance

Performance & Safety Benefits

- ▷ Dust-tight & easy-to-clean construction
- ▷ Flush mounting avoids contamination traps
- ▷ Uniform, shadow-free illumination for inspection tasks
- ▷ Compatible with GMP & cleanroom practices Designed to maintain cleanliness while delivering precise, reliable light.

WEATHER PROOF LED TUBELIGHT

All-Weather Illumination



“High lumen power. Precision lens optics. Built for industry.”

Product Overview

Weather Proof LED Tubelight is specially designed for harsh indoor and outdoor environments where moisture, dust, fumes, and temperature variations are common. With a sealed housing and high ingress protection, it ensures long life, safety, and consistent illumination in demanding industrial conditions.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 20W / 36W / 40W / 60W |
| Luminous Efficacy | ≥120 lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5700K / 6500K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ IP65 / IP66 Protection – Complete protection against dust, rain, water jets, and humidity
- ✓ High Lumen Efficiency – Bright, uniform light with low power consumption
- ✓ Corrosion-Resistant Housing – UV-stabilized polycarbonate body
- ✓ Flicker-Free Light Output – Comfortable and safe for continuous operation
- ✓ Long Life LEDs – Reduced maintenance and replacement costs
- ✓ Easy Installation – Surface mounting with stainless steel clips
- ✓ Wide Operating Temperature – Reliable performance in extreme conditions

AVIATION LAMP / OBSTRUCTION LIGHT

Low / Medium Intensity



Product Overview

GH TECHNO WORLD Aviation Lamps are high-reliability LED obstruction lights designed to mark tall structures such as towers, chimneys, high masts, buildings, cranes, and wind turbines. Engineered to meet aviation safety standards, these lights ensure maximum visibility for aircraft under all weather conditions.

| Parameter | Specification |
|-------------------|---|
| Input Voltage | 230V AC, 50Hz |
| | Optional: 12V / 24V DC (Solar Compatible) |
| Power Consumption | Low Intensity: 5W – 10W |
| | Medium Intensity: 15W – 40W |
| Flash Rate | Steady ON |
| | 20–60 flashes per minute (as per requirement) |

Key Benefits

- ✓ High-intensity LED light source with long life
- ✓ 360° horizontal visibility
- ✓ Low power consumption
- ✓ Weatherproof & corrosion-resistant construction
- ✓ Maintenance-free operation
- ✓ Suitable for continuous operation (24×7)
- ✓ Optional flashing / steady burning modes
- ✓ Compatible with solar or grid power options

Performance & Safety Benefits

- ▷ Telecommunication towers
- ▷ High masts & stadium lighting poles
- ▷ Chimneys & industrial stacks
- ▷ Airports & helipads
- ▷ Windmills & power plants
- ▷ High-rise buildings

EMERGENCY LED LIGHT

Industrial Safety & Backup Luminaire



“Reliable emergency illumination when it matters most.”

Product Overview

The Emergency LED Light is a critical safety luminaire designed to provide instant illumination during power failures, ensuring safe evacuation and operational continuity in industrial, commercial, and public spaces.

Equipped with an in-built battery backup system, it automatically switches ON during mains failure, guiding occupants safely through exits and work areas.

| Parameter | Specification |
|--------------------|-------------------------------|
| Wattage | 10W / 20W / 30W |
| Luminous Efficacy | $\geq 130\text{--}150$ lm/W |
| Input Voltage | 90–310V AC, 50/60 Hz |
| CCT Options | 3000K / 4000K / 5000K / 5700K |
| CRI | >80 |
| Beam Angle | 120° |
| Ingress Protection | IP65/66 |

Key Benefits

- ✓ In-built Emergency Battery Backup
- ✓ Automatic ON during power failure
- ✓ Maintained / Non-Maintained operation options
- ✓ High-efficiency LED light source
- ✓ Fast battery recharge & long backup duration
- ✓ Robust housing for industrial use
- ✓ Low power consumption & high reliability

Performance & Safety Benefits

- ▷ Ensures visibility during blackouts
- ▷ Guides safe evacuation paths
- ▷ Reduces panic & accident risk
- ▷ Complies with safety lighting norms
- ▷ Long operational life & low maintenance

OUR VALUED CUSTOMER





60000 + square feet Production facility

12000 + Trusted customers Globally



114 + energy efficient products



In house testing equipmet



**NABL approved Semi Automatic &
Automatic Assembly Line**

1 Million + AC/DC luminaries delivered




**2200 + digitally accessed & monitored
Products delivered**




GH TECHNO WORLD


MANUFACTURERS OF INDUSTRIAL LIGHTING

ISO 9001:2015 CERTIFIED COMPANY

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SECTORS WE DEAL

