



LED LIGHTS

بي.إكسس

شركة محور الأرض ش.م.م
Global Axis Co L.L.C



WELCOME TO GLOBAL AXIS

G-AXIS Oman, is a well-known Grade 1 Omani manufacturing company established in 2008, having associate offices/principals in 9 countries around the world.

We are the only company in Oman, with our own in-house facility to design, engineer, assemble, test and install turnkey lighting solutions, including integration of sustainable and latest technologies and 24/7 local support and warranty.

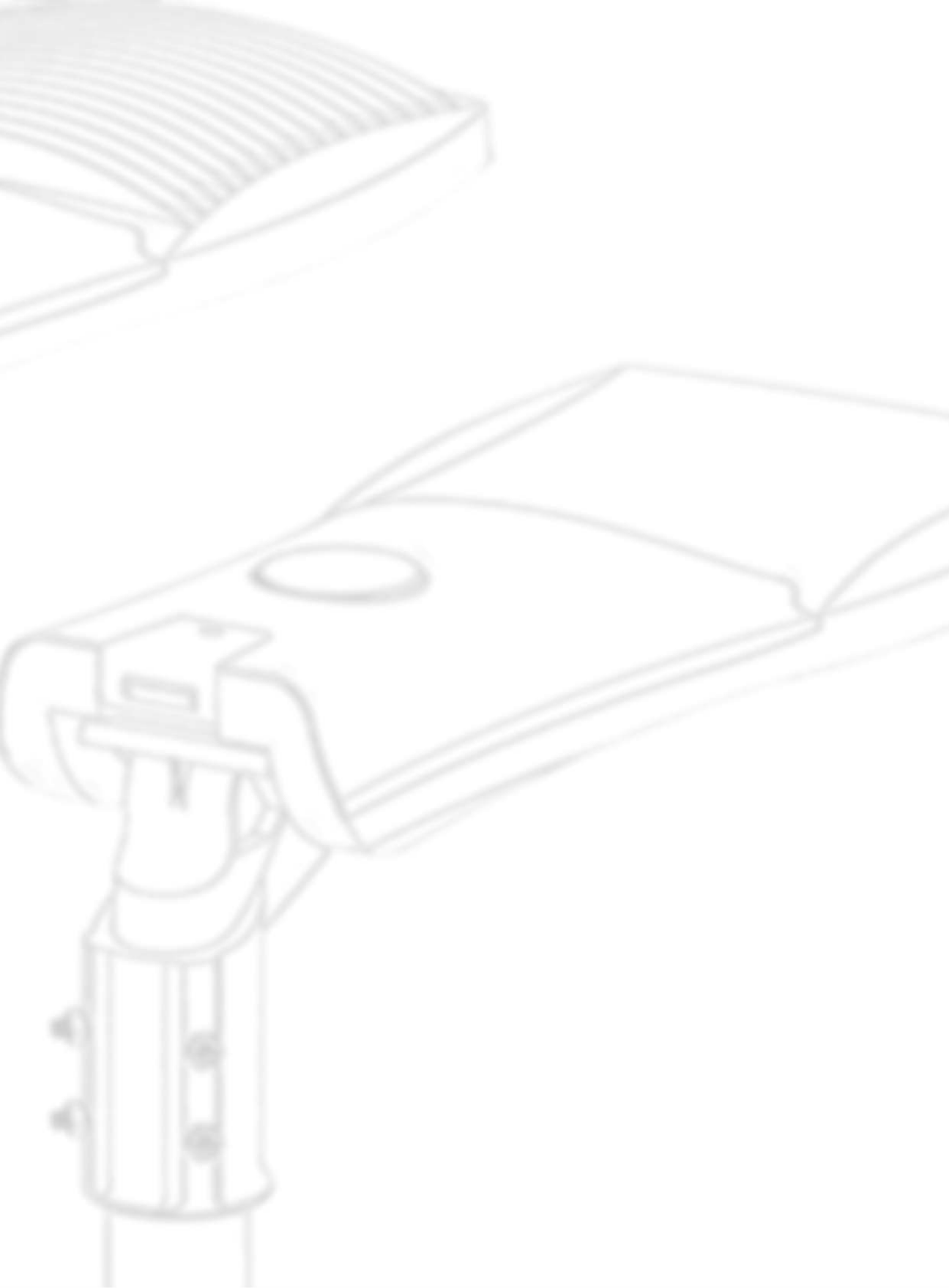
Our wide range of LED products includes Street Lights, Canopy Lights, Flood Lights, Highbay Lights, Explosion Proof Lights and Sports Lights.

Having over 15 years of experience in this field, we assure the product quality by engaging ourselves in extensive research and development and testing, followed up by a feedback system before introducing our products in the market.

WHY GLOBAL AXIS?

- We are an ISO Certified, LED Lighting manufacturer in Oman since 2008;
- Our team consists of creative Lighting Designers, Mechanical Engineers, Electrical Engineers, Civil Engineers, Project Managers, IT Specialists, only to offer you products of the highest quality;
- We offer turnkey lighting solutions including integration of sustainable and latest technologies;
- 24/7 local support available throughout Oman;
- Our own in-house lab and testing facilities in Ghala Industrial Area;
- Can offer custom designed lighting solutions with excellent thermal, optical and fitting solutions (retrofits).





RoHS

CE

CB



LED STREET LIGHTS

FINN | SHARK | COBRA SERIES...

Street Lights:

Finn Series

Superior Performance LED Street Lights

Features



Easy Maintenance

- Buckle for fixing heat sink could be opened without tools
- Supporting bracket to hold upper and lower parts of fixture body during maintenance process

Easy Replacement of LED Driver

- The LED driver is fixed by buckles, can be installed or removed easily

Multiple CCT Options

- 3000K, 4000K and 5000K CCT options for Finn Series, in compliance with EU photobiological standard

Power-off Protection

- Automatic power off once the fixture body is opened

Surge Protection

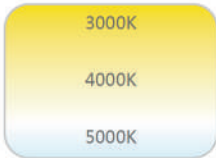
- LED Driver integrated with SPD (surge protection device)

Intelligent Control

- Daylight Sensor
- Dimming Control
- Solar Control

Surface Treatment

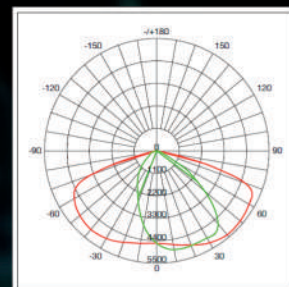
- Anti-static and anti-UV outdoor powder coated finishing



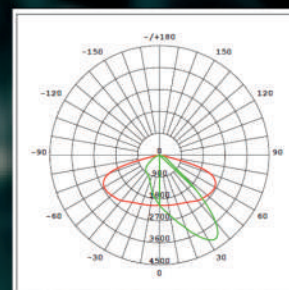
Specifications

Model Number	GA43-SLA03-90W	GA43-SLA04-120W	GA43-SLA05-150W
Wattage	90 W	120 W	150 W
Efficacy	130 LM/W		
CCT	3000K, 4000K, 5000K		
Ingress Protection (IP)	IP66		
CRI	>Ra70, >Ra80		
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.93		
LED Driver	Meanwell, Inventronic		
Beam Angle	R17601, R17602		
Operating Temperature	-30°C to +50°C		
Dimensions	763 x 352 x 225 mm		

Photometric Diagrams

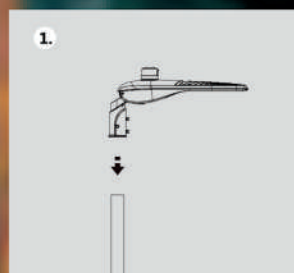
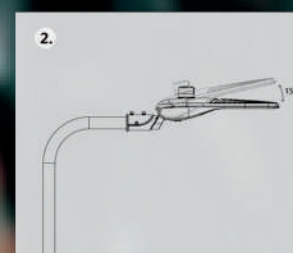
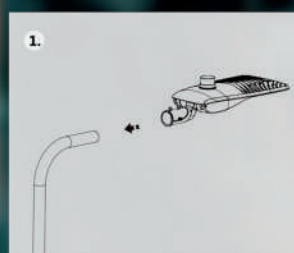


R17601



R17602

Mounting Options



Street Lights: Shark Series

Features

- Innovative detachable solution
- Aesthetically streamlined design
- Future-proof and smart-ready



Specifications

Model Number	GA118-STB15-90W	GA118-STB16-150W	GA118-STB19-290W
Wattage	90 W	150 W	300 W
Efficacy	150 LM/W		
CCT	3000K, 4000K, 5000K		
Ingress Protection (IP)	IP66		
CRI	>Ra70, >Ra80		
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.95		
LED Driver	Osram, MOSO, Inventronic		
LED Chip	Osram, Lumileds		
Operating Temperature	-40°C to +50°C		
Dimensions	920 × 383 × 131 mm		

Details



Balance device



Automatic power-off switch



Compatible with NEMA socket



Adjustable angle



Respirator

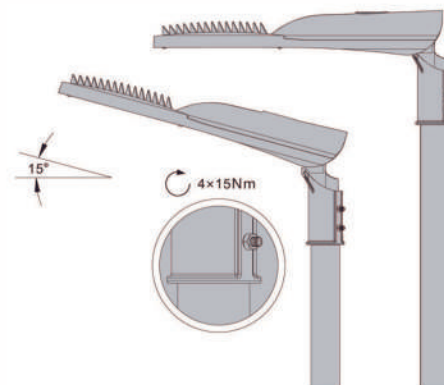
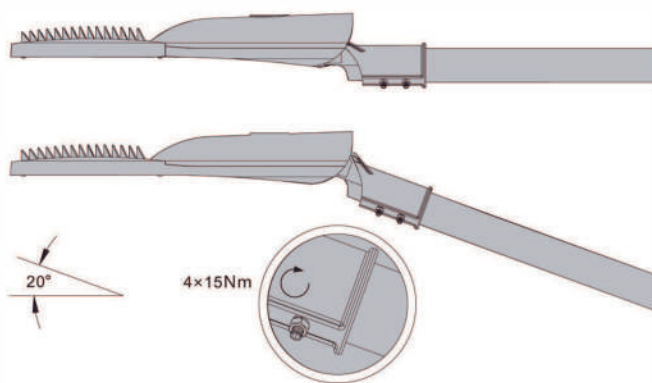


Tool - free buckle

Adapter



- Dual-purpose spigots for side entry and post top installation -20° to +15° maximum tilt steps in 5°
- Constructed from robust die-casting aluminum
- Stainless steel bolts
- 42 / 60 / 76 mm diameter options cater for existing or newly fabricated lighting poles



Controller



NEMA Control



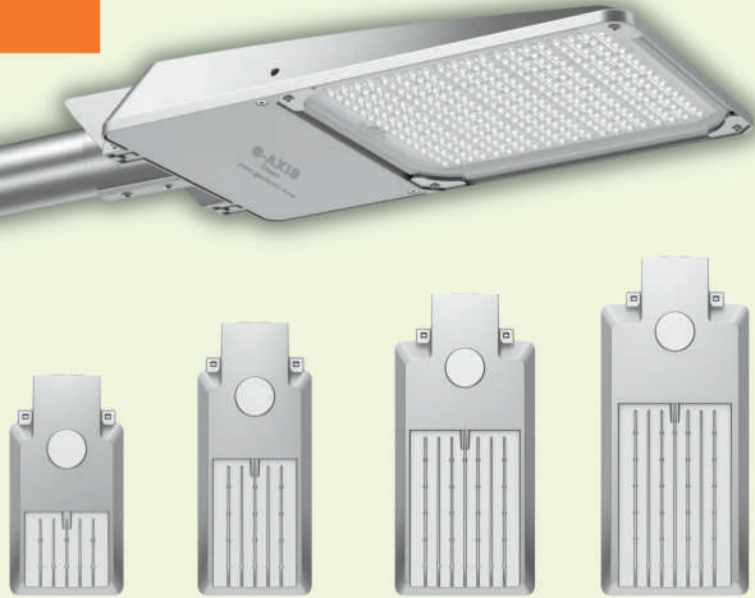
ZHAGA Control

- With PWM and 0-10V dimming interfaces
- Acquiring data like current, voltage, power and power factor
- Analyzing and reporting of power consumption and energy saving
- Monitoring and detecting the status of LED luminaire
- Automatic faulty reporting function
- Surge protection
- IP65 rated

Communication Interface	Communication Method	Communication Distance	Dimming Signal
NEMA	LoRa / ZigBee NB / 4G LTE	LoRa: 1000M ZigBee: 200M NB: ∞ 4G LTE: ∞	PW M 0-10v
ZHAGA	NB / 4G LTE	NB: ∞ 4G LTE: ∞	NB: ∞ 4G LTE: ∞

Street Lights: Cobra Series

An Economical Energy-efficient LED Solution



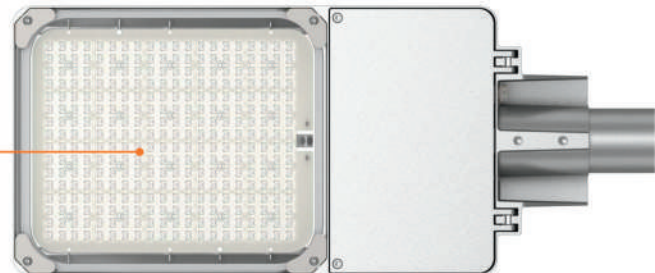
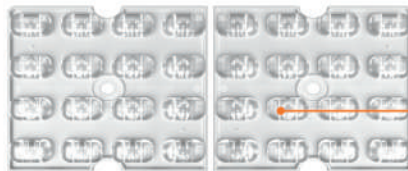
Features

- Full wattage range
- Excellent heat dissipation, robust and durable luminaire design, passed 3G vibration test
- High output lumen efficiency, up to 160LM/W
- Professional light distribution
- Various mounting options
- Multiple intelligent control (photocell, plug and play microwave/PIR sensor, Dali, 0-10v dimmable)
- Timer dimming, Nema, Zhaga/LoRa and programmable driver) used to minimize of power consumption
- Protection Class I or II

High Compatibility With Modular Optic LENS

Cobra luminaires are equipped with modular optic lens and can adopt 3030, 3535, 5050 chips.

This flexibility ensures that the light distributions are specifically adapted to the real needs of the area to be lit.



**Removable metal gear plate
for easy maintenance**



Specifications

Model Number	GA43-ST41-100W	GA43-ST41-150W	GA43-ST41-200W
Wattage	100 W	150 W	200 W
Efficacy	140 LM/W		
CCT	3000K, 4000K, 5000K		
Ingress Protection (IP)	IP66		
CRI	>Ra70, >Ra80		
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.93		
LED Driver	Meanwell, Inventronic		
LED Chip	Lumileds		
Operating Temperature	-30°C to +50°C		
Lifetime of LED @Ta=25°C	82000Hrs.		

Multiple Intelligent Control

- NEMA 3 pin/5 pin/7 pin socket
- LoRa Standard
- Zhaga

- Microwave or PIR sensor



Compatible with
LoRa Standard



Compatible with
Zhaga Standard



Compatible with 3-pin /
5 pin / 7-pin NEMA socket



Dali Dimming

Applications

Fast-speed, Medium-speed, and Low-speed roads,
Parking lots, Roundabouts, Square centers, etc.



Projects



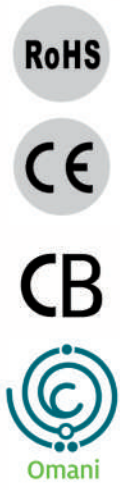
Oman Oil
Petrol Stations



Shell Petrol Stations



Sultan Qaboos University



LED CANOPY LIGHTS

HALO SERIES...

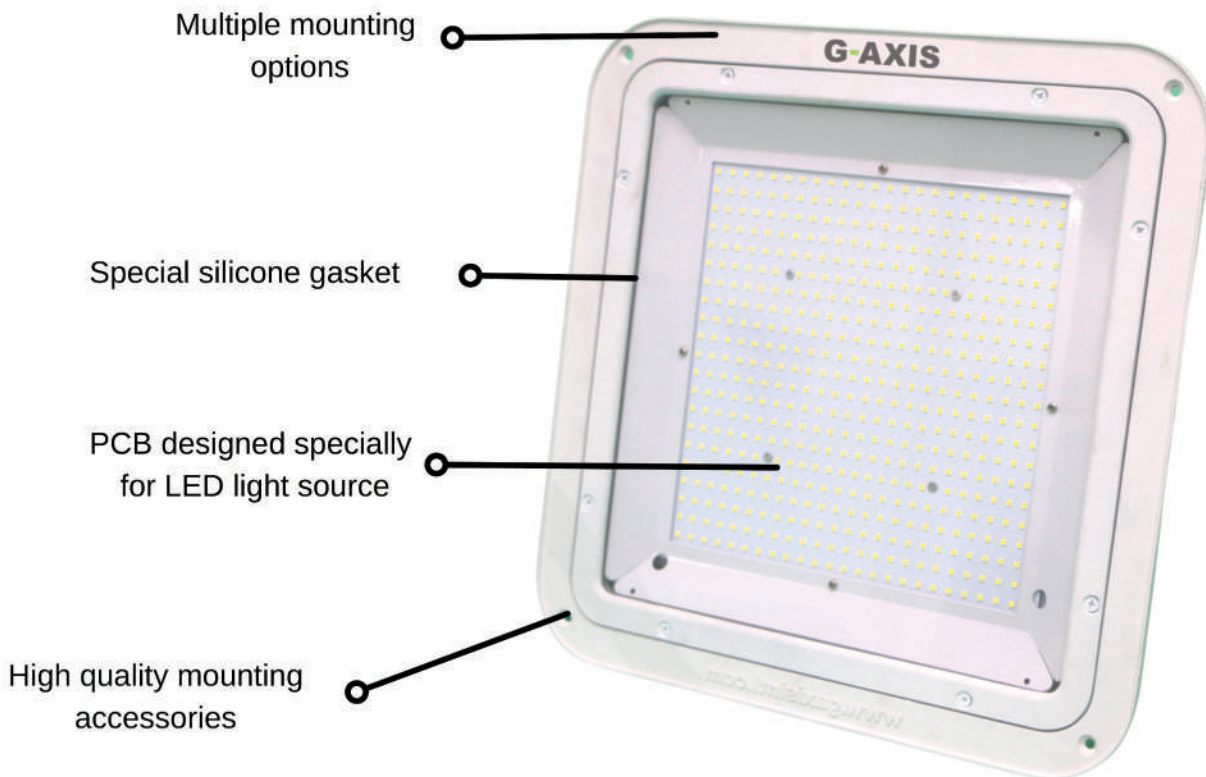
Canopy Lights: Halo Series

Features

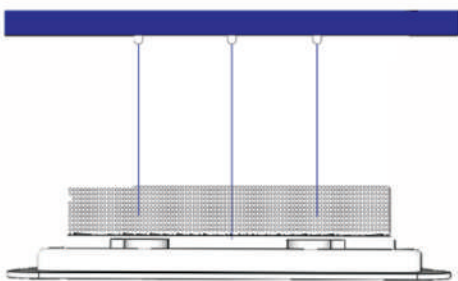
Over 60,000 hours of LED lifetime according to LM80 and TM21 standard

Proud to cater
OVER 150 STATIONS,
OVER 3000 LIGHTS...

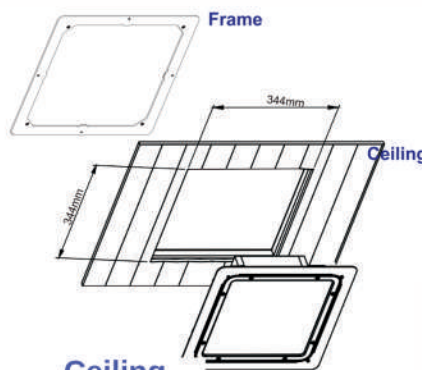
Photometric measurements according to IESNA-LM-79-08 standard



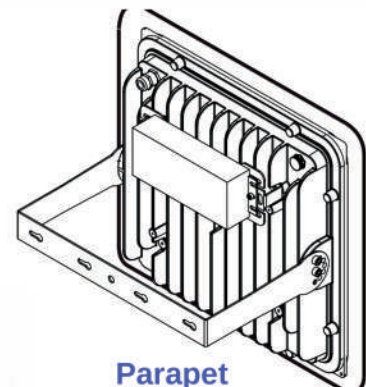
Mounting Options



Suspension



Ceiling



Parapet

Applications

Specifications



Indoor / Outdoor Canopies



Petrol Stations
Projects

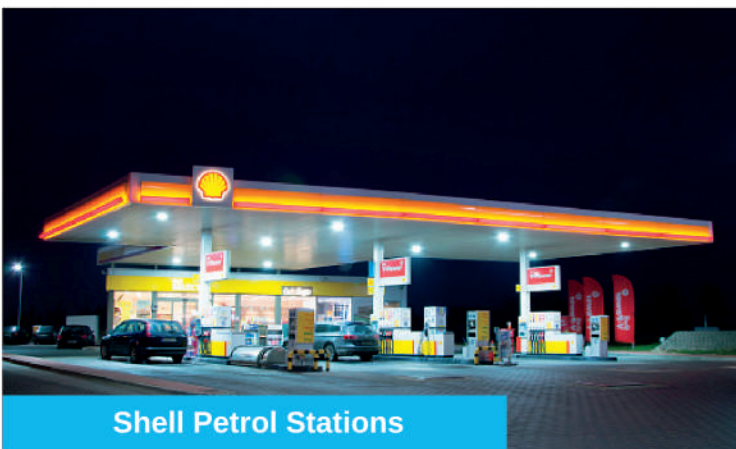
Model Number	GA10-UCB01-100W	GA10-UCB02-150W	GA10-UCB03-180W
Wattage	100 W	150 W	180 W
Luminous Flux	17000 LM	25500 LM	30600 LM
Efficacy	170 LM/W		
LED Driver	Philips, Meanwell		
LED Chip	Nichia, Lumileds		
CCT	3000K, 4000K, 5000K		
Ingress Protection (IP)	IP66		
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.93		
Operating Temperature	-40°C to +50°C		
Lifetime of LED @Ta=25°C	60000Hrs.		
Dimensions	400 × 400 mm		
Net Weight	7 kg +/- 0.2 kg (depending on accessories)		



Hormuz Petrol Stations



Al Maha Petrol Stations

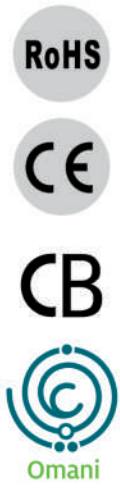


Shell Petrol Stations



Oman Oil Petrol Stations





LED FLOOD LIGHTS

MODULAR SERIES...

LED Flood Lights: Modular Series



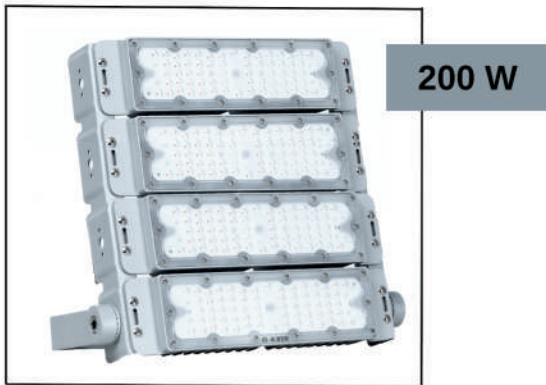
50 W



100 W



150 W



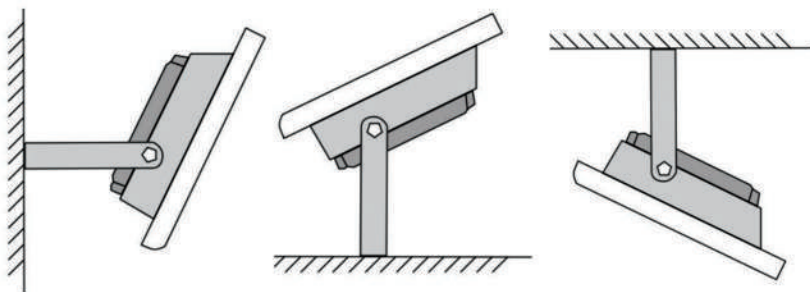
200 W

Applications

- Ports
- Architectural buildings and monuments
- Manufacturing plants and construction sites
- Facade lighting
- Mining



Mounting Options



Wall
Mounting

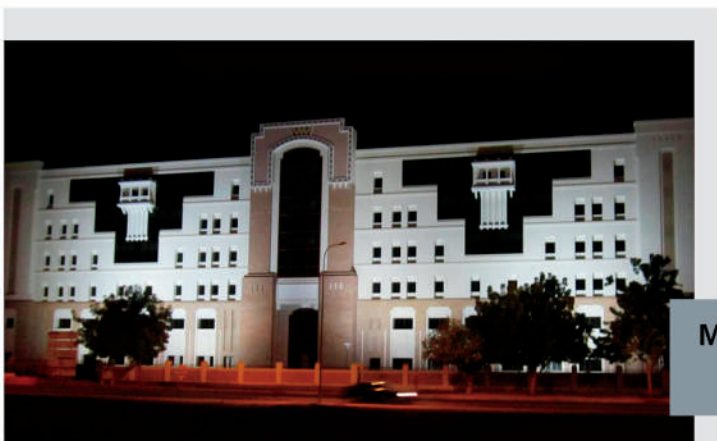
Ground
Mounting

Ceiling
Mounting

Specifications

Model Number	GA20-FLD01-50W	GA20-FLD02-100W	GA20-FLD03-150W	GA20-FLD04-200W
Wattage	50 W	100 W	150 W	200 W
Luminous Flux	6500 LM	13000 LM	19500 LM	26000 LM
Efficacy	130 LM/W			
LED Driver	Meanwell			
LED Chip	Philips			
CCT	3000K, 4000K, 5000K			
Ingress Protection (IP)	IP65			
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.95			
Operating Temperature	-30°C to +50°C			
Lifetime of LED @Ta=25°C	50000Hrs.			
Dimensions	175 × 350 × 75 mm	250 × 350 × 75 mm	340 × 350 × 75 mm	410 × 350 × 75 mm
Net Weight	3.1 kg	3.8 kg	4.8 kg	6.5 kg

Projects



Ministry of Heritage
and Tourism



Best Western Premier
Hotel

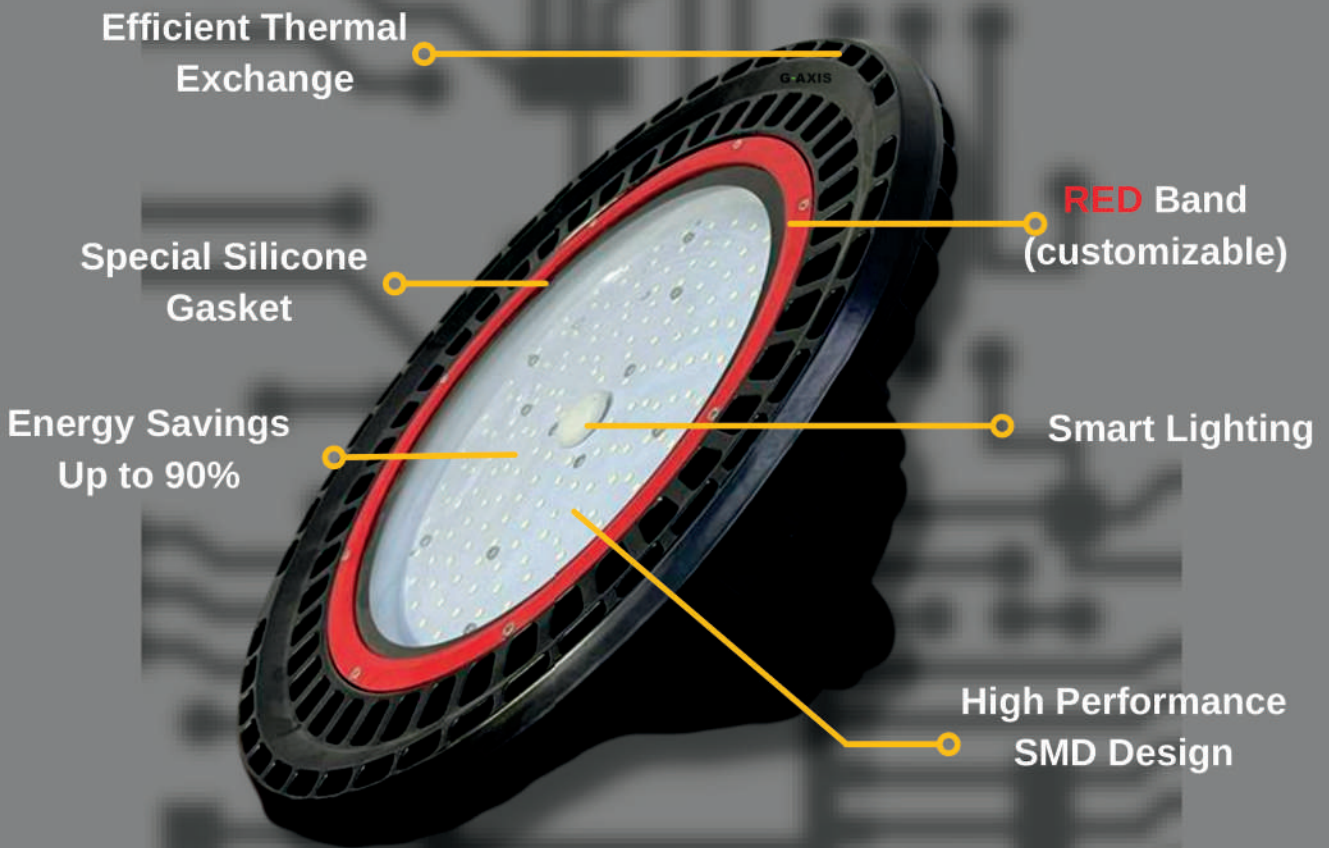




LED HIGHBAY LIGHTS

RED BAND | UFO SERIES...

RED BAND HIGHBAY Features



LED Highbay Lights: Red Band Series

Mounting Options

Specifications

Model Number	GA20-HBA01-100W	GA20-HBA02-150W	GA20-HBA03-200W
Wattage	100 W	150 W	200 W
Luminous Flux	13000 LM	19500 LM	26000 LM
Efficacy	130 LM/W		
LED Driver	Meanwell		
LED Chip	Philips		
CCT	3000K, 4000K, 5000K		
Ingress Protection (IP)	IP65		
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.95		
Operating Temperature	-30°C to +50°C		
Lifetime of LED @Ta=25°C	50000Hrs.		
Net Weight	3.5 kg	4.6 kg	5.1 kg



Hook Mounting

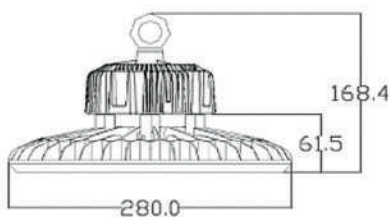


Chain Mounting

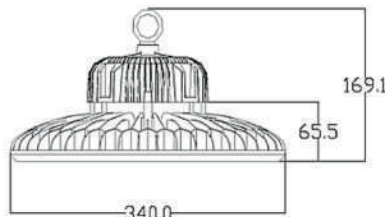


Rotatable Bracket

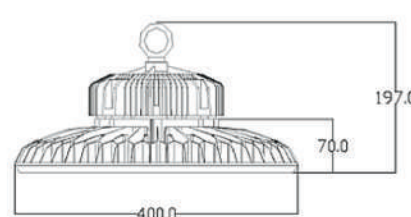
Dimensions



100 W



150 W



200 W

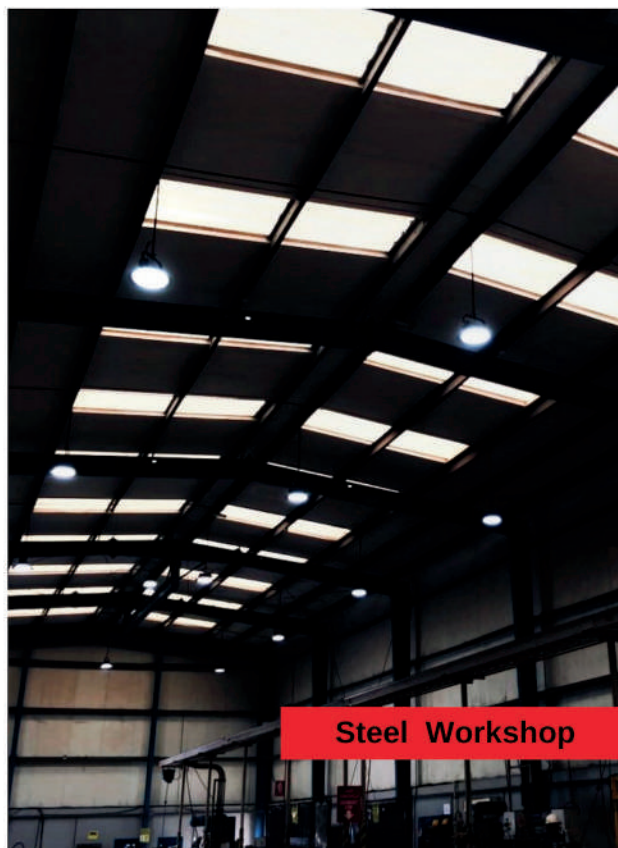
Projects



Oil Field Equipment Factory



Warehouse



Steel Workshop



Packaging Factory



Ceramic Factory



LED EXPLOSION PROOF LIGHTS

XERA | HEXA | ACID PROOF SERIES...

Explosion Proof Lights: XERA Series

Features

Excellent heat sinking design

Long lifetime and high luminous efficacy

Proprietary housing design for **best** thermal management & lumen maintenance

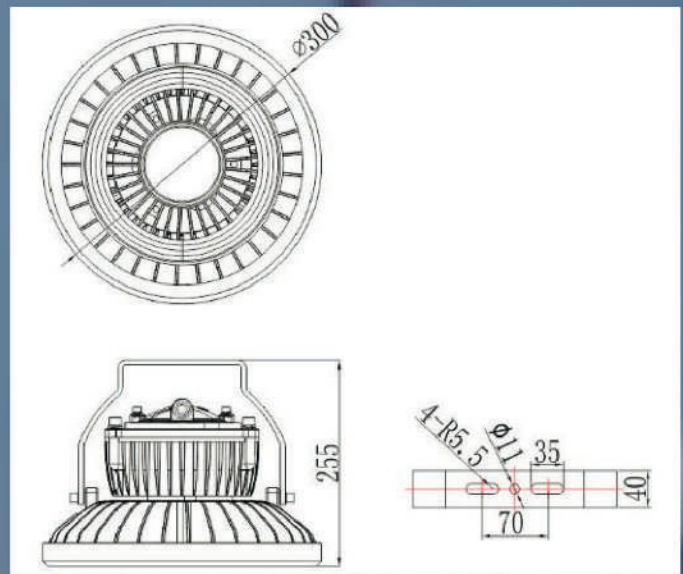
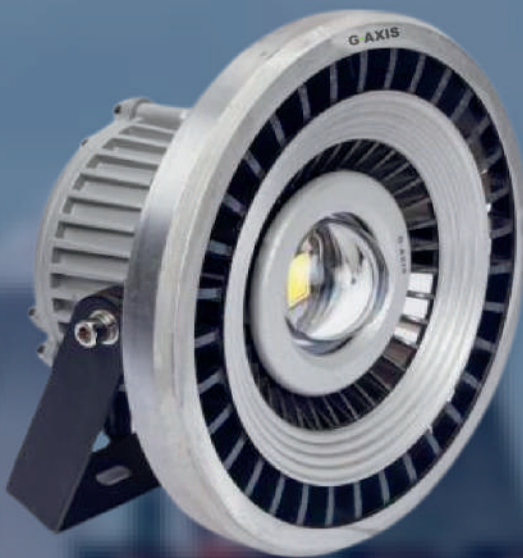
Energy saving and **environment friendly**

Restrains SPARKS & IGNITION

Explosion proof lights are lighting fixtures suitable for hazardous environments. These fixtures are exposed to dangerous explosive gases with a low flash point. Rubber gaskets prevent internal explosion and destruction of the fixture. Our explosion proof lights incorporate advanced solutions for heat management including flame proof joints, highly resistant seals and other safety elements.

Explosion Proof XERA

- Explosion proof grade :
Ex d IICT 6 Gb_



Dimensions

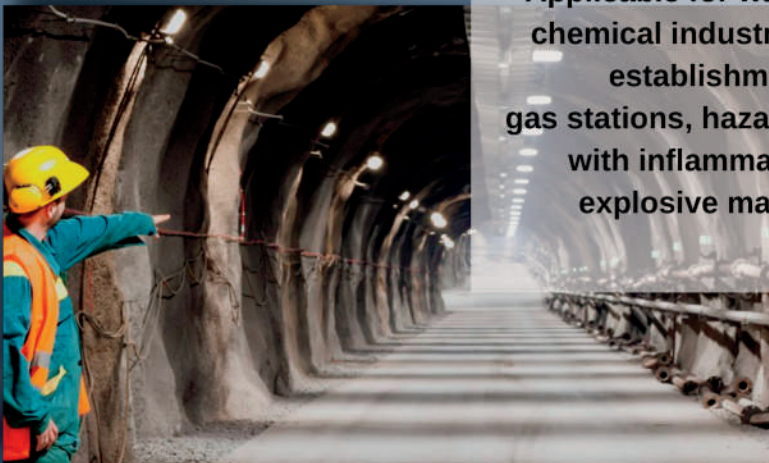
Specifications

Model Number	GA07-EXB07-100W	GA07-EXB07-150W
Wattage	100 W	150 W
Luminous Flux	13500 LM	20250 LM
Efficacy	135 LM/W	
CCT	3000K, 4000K, 5000K	
Ingress Protection (IP)	IP67	
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.95	
Operating Temperature	-30°C to +50°C	
Lifetime of LED @Ta=25°C	50000Hrs.	
Net Weight	5.4 kg	6.5 kg

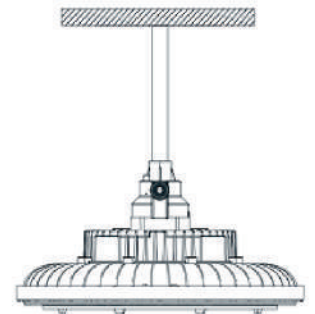
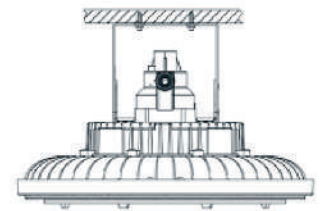
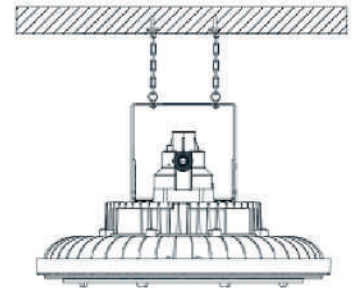


Applications

Applicable for warehouses, chemical industry, military establishments, gas stations, hazardous areas with inflammable and explosive materials



Mounting Options



LED EXPLOSION PROOF LIGHTS

Explosion Proof Lights:

HEXA Series

Features

Explosion proof grade:
IIA, IIB, IIC



- Back-up battery (optional)
- AC or DC power supply available
- Stainless steel body and PC cover
- Heavy-duty and high impact resistance
- Ambient range: -40°C - +45°C/60°C
- High quality SMT LED and Meanwell driver
- Waterproof / vapor /dust / corrosion /explosion proof
- Acid-proof (optional)

Light Distribution

	Center Beam fc	Beam Width	
4ft	683fc	11ft	11ft
8ft	170fc	21ft	22ft
12ft	73fc	32ft	33ft
16ft	39fc	43ft	45ft
20ft	26fc	53ft	56ft

■ Vert, Spread; 120°
■ Horiz, Spread; 120°





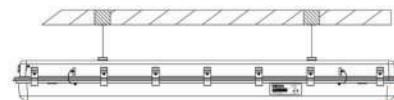
Specifications

Model Number	GA07-ETLA01
Wattage	36 W (2 x 18 W)
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz
Luminous Flux	3600 LM
Efficacy	100 LM/W
Beam Angle	120
CCT	3000K, 4000K, 5000K, 6000K
Ingress Protection (IP)	IP 65
Operating Temperature	-30°C to +50°C
Life Time of LED @Ta=25°C	20000Hrs.
Dimensions	1375 x 210 x 135 mm
Net Weight	6.5 kg
Standard Compliance	EN60598, EN62493, EN62471, EN62031, EN55015, EN61547, EN61000, IEC60079

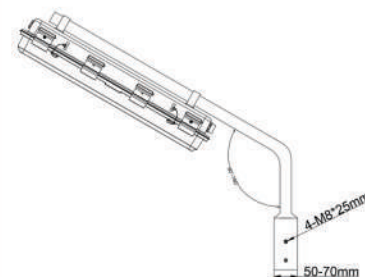
Applications

- Zone 1 & Zone 2
- Area 21 & 22
- IIA, IIB, IIC explosive atmosphere
- Corrosion proof is WF2

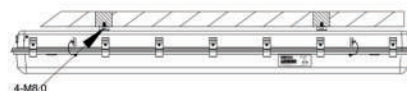
Mounting Options



Suspension Mounting



Pole Mounting



Ceiling Mounting



ACID PROOF

Specifications

Model Number	GA07-MFB03
Wattage	40 W
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz
Luminous Flux	4800 LM
Efficacy	120 LM/W
Beam Angle	120
CCT	3000K, 4000K, 5000K, 6000K
Ingress Protection (IP)	IP 65
Operating Temperature	-30°C to +50°C
Life Time of LED @Ta=25°C	50000Hrs.
Net Weight	5.5 kg
Standard Compliance	EN60598, EN62493, EN62471, EN62031, EN55015, EN61547, EN61000, IEC60079

Applications

- Oil production, petroleum refining, chemical industry
- Zone 1 & Zone 2
- Area 21 & 22
- IIA & IIB
- T1-T6

Explosion proof grade:
Ex d IIBT 6 GB



Chemical Factory



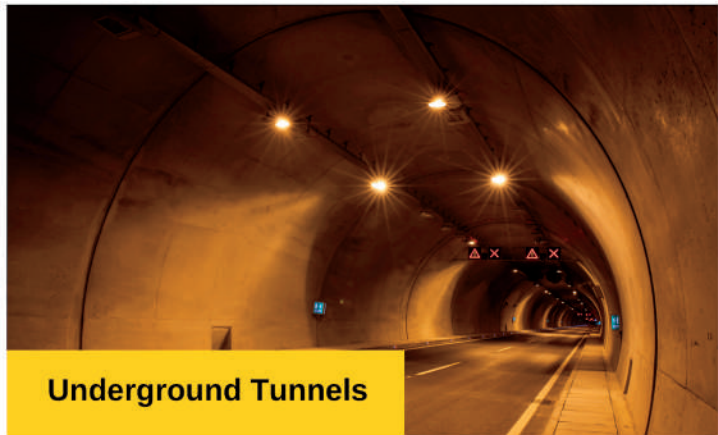
Chemical Factory



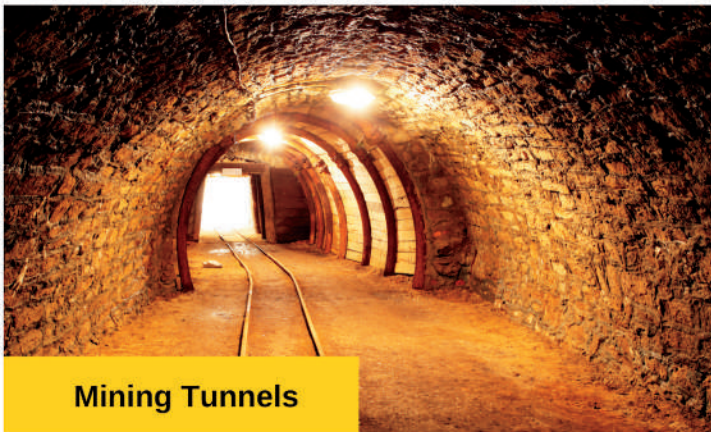
Applications



Refineries



Underground Tunnels



Mining Tunnels

Zone - 00

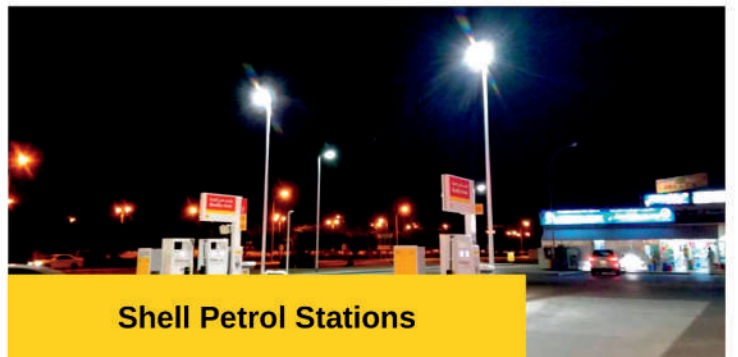
Zone - 01

Zone - 02

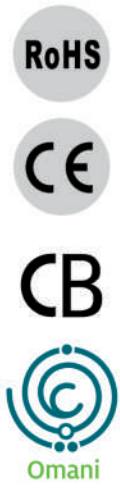
Projects



Shell Petrol Stations



Shell Petrol Stations



LED SPORTS LIGHTS

SKYLINE | IRIS | MODULAR SERIES...

LED Sports Lights: Skyline Series

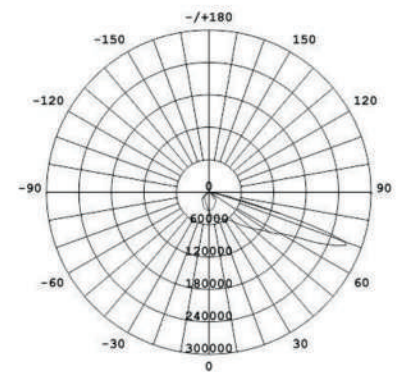


Skyline Series are innovative multi-functional **sports lights**, which are suitable for outdoor sports arena and indoor gymnasiums. It conforms to the modern aesthetic in outlook. Thanks to unique structural and optic design, it can achieve max asymmetric beam 65°, minimize the backlight, upward light and spill light.

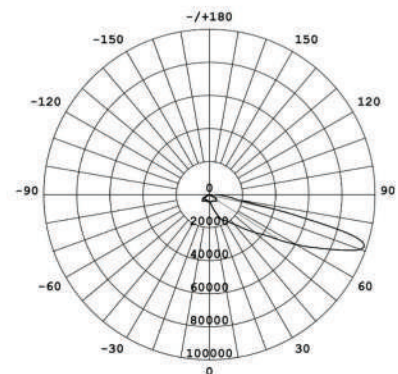
Features

- Modular design, available in 600W, 1200W and 1800W
- Professional and precise optic design guarantees high quality pollution free lighting performance
- Visor is available to minimize light pollution
- With the scale axis, easy for accurate installation
- Remote power supply, easier for installation and maintenance
- Electrophoresis + powder coating surface treatment, better in anticorrosion performance
- 20kV surge protection

Light Distribution



F22001



F22004

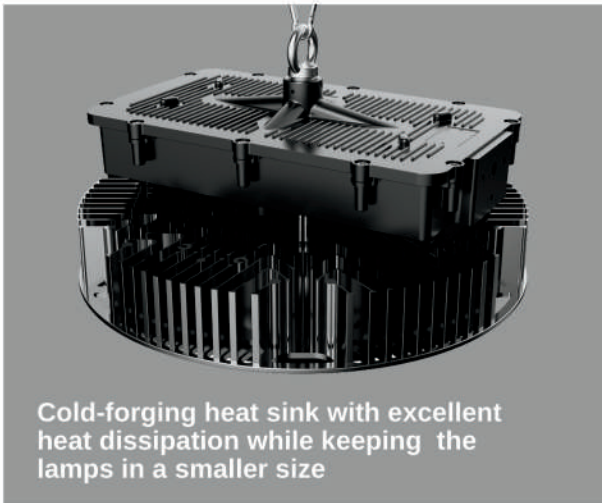
Specifications

Model Number	GA43-SP02-600W	GA43-SP02-1200W	GA43-SP02-1800W
Wattage	600 W	1200 W	1800 W
Luminous Flux	90000 LM	180000	270000 LM
Efficacy	150 LM/W		
LED Driver	Upshine		
LED Chip	LED 5050		
CCT	5700K (3000K,4000K optional)		
Ingress Protection (IP)	IP66		
Input Voltage	220 - 277 VAC 50-60 Hz	200 - 277 VAC 50-60 Hz	200 - 420 VAC 50-60 Hz
Operating Temperature	-30°C to +50°C		
Lifetime of LED @Ta=25°C	88000Hrs.		
Net Weight	Lamp body: 8.8kg Driver box: 5.0kg	Lamp body: 21.0kg Driver box: 8.0kg	Lamp body: 36.7kg Driver box: 6.0kg
Dimensions	600 × 563 × 182 mm	905 × 641 × 275 mm	1242 × 709 × 301 mm

New Features

With self-developed power supply, the lamps can be used more intelligently, with single or multiple outputs, and the dimming function can be switched at will (DALI,DMX).

LED Sports Lights: IRIS Series



Other Features

- High efficiency up to 160 LM/W
- Equivalent to 2000W HID light
- 15°/30°/60°/90°/120° beam angles are available
- Improved optics to match international standards
- As sports light with a visor to control trespass of light
- As highbay with 90° aluminum reflector

Accessories

PC Lens



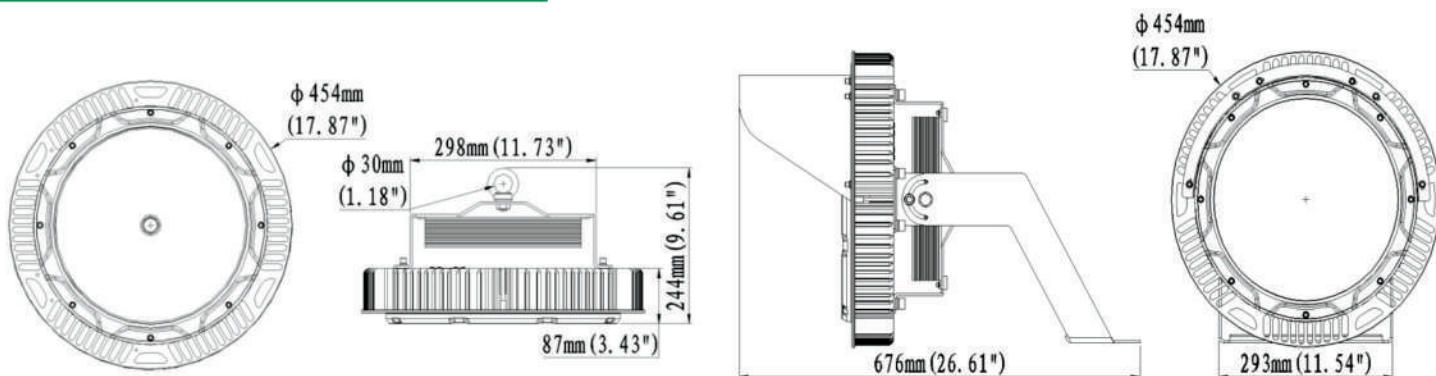
Safety Ropes

Visor



90° aluminum reflector

Dimensions



This is the IRIS SERIES.

These robust lights are designed for outdoor stadiums such as football courts and basketball courts. They are also suitable for car parking lots, factories and hangars.



Specifications

Model Number	GA43-HB17-450W	GA43-HB17-600W
Wattage	450 W	600 W
Luminous Flux	72000 LM	96000 LM
Efficacy	160 LM/W	
CCT	5000K (3000K,4000K optional)	
Ingress Protection (IP)	IP65	
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.95	
Operating Temperature	-30°C to +50°C	
Lifetime of LED @Ta=25°C	50000Hrs.	
Net Weight	11.2±0.3kg	11.9±0.3kg

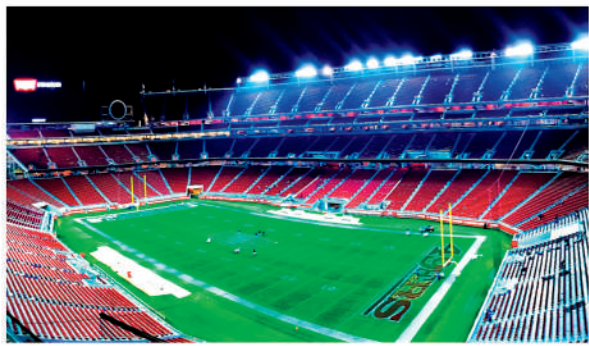
Illuminate basketball courts,
Illuminate yards,
Illuminate **football grounds**



Applications



Football Grounds



Hangars

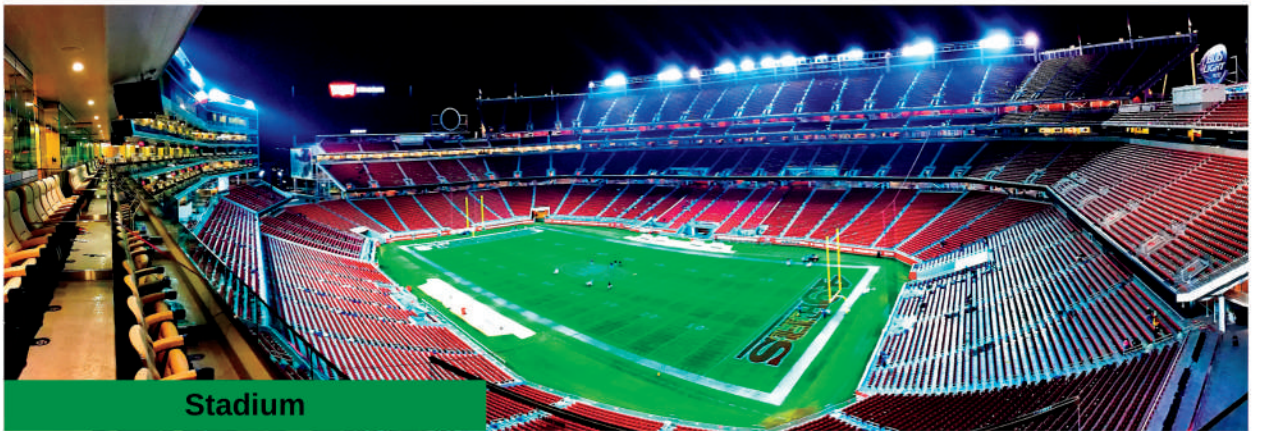


LED Sports Lights: Modular Max

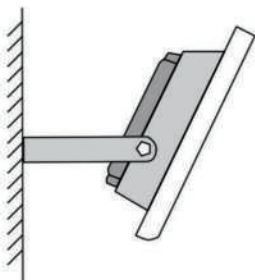


Features

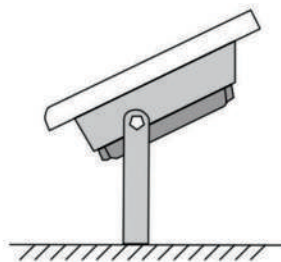
- Die-casting housing and UV resistant PC lens
- Adjustable beam angle
- Temperature tested at toughest conditions
- Several mounting options



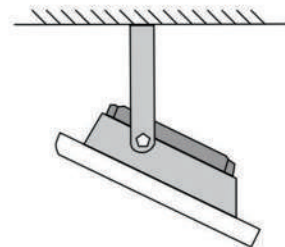
Mounting Options



Wall
Mounting

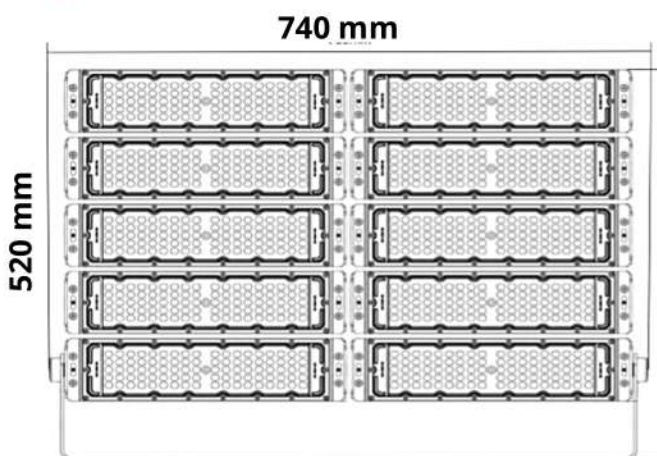


Ground
Mounting



Ceiling
Mounting

Dimensions



Ideal for:

- Outdoor sports fields
- Stadiums
- Soccer fields



Specifications

Model Number	GA20-FLD12-1200W
Wattage	1200 W
Luminous Flux	156000 LM
Efficacy	130 LM/W
Beam Angle	30
CCT	6500K (3000K, 4000K, 5000K optional)
Ingress Protection (IP)	IP 65
Operating Temperature	-30°C to +50°C
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz
Lifetime of LED @Ta=25°C	50000Hrs.
LED Chip	Philips
LED Driver	Philips



Applications



Construction Sites



Golf Courses

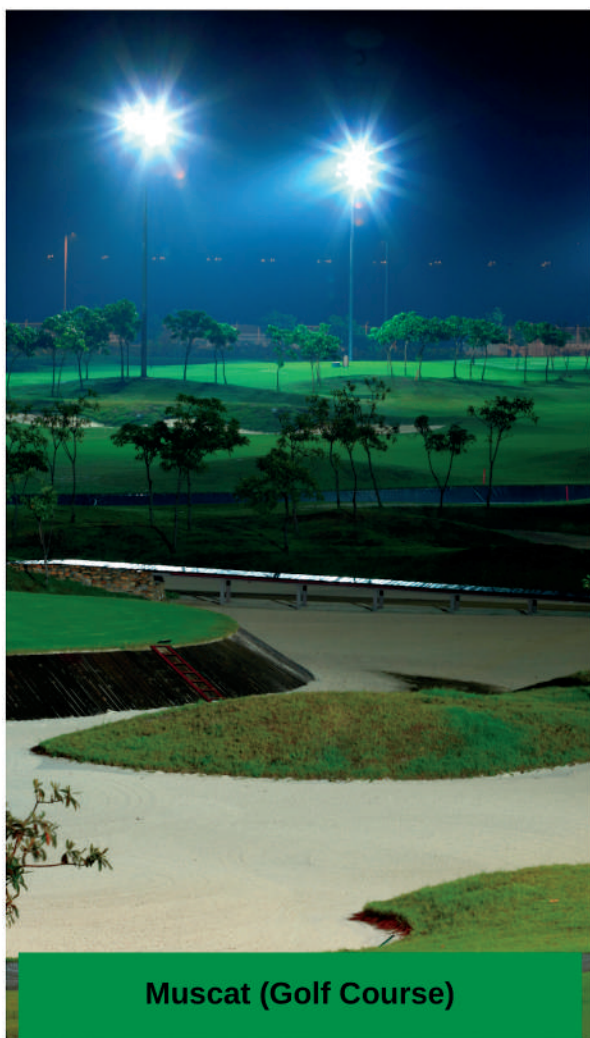


Basketball Courts

Projects



Al Bustan Palace - A Ritz-Carlton Hotel, Muscat (Tennis Court)



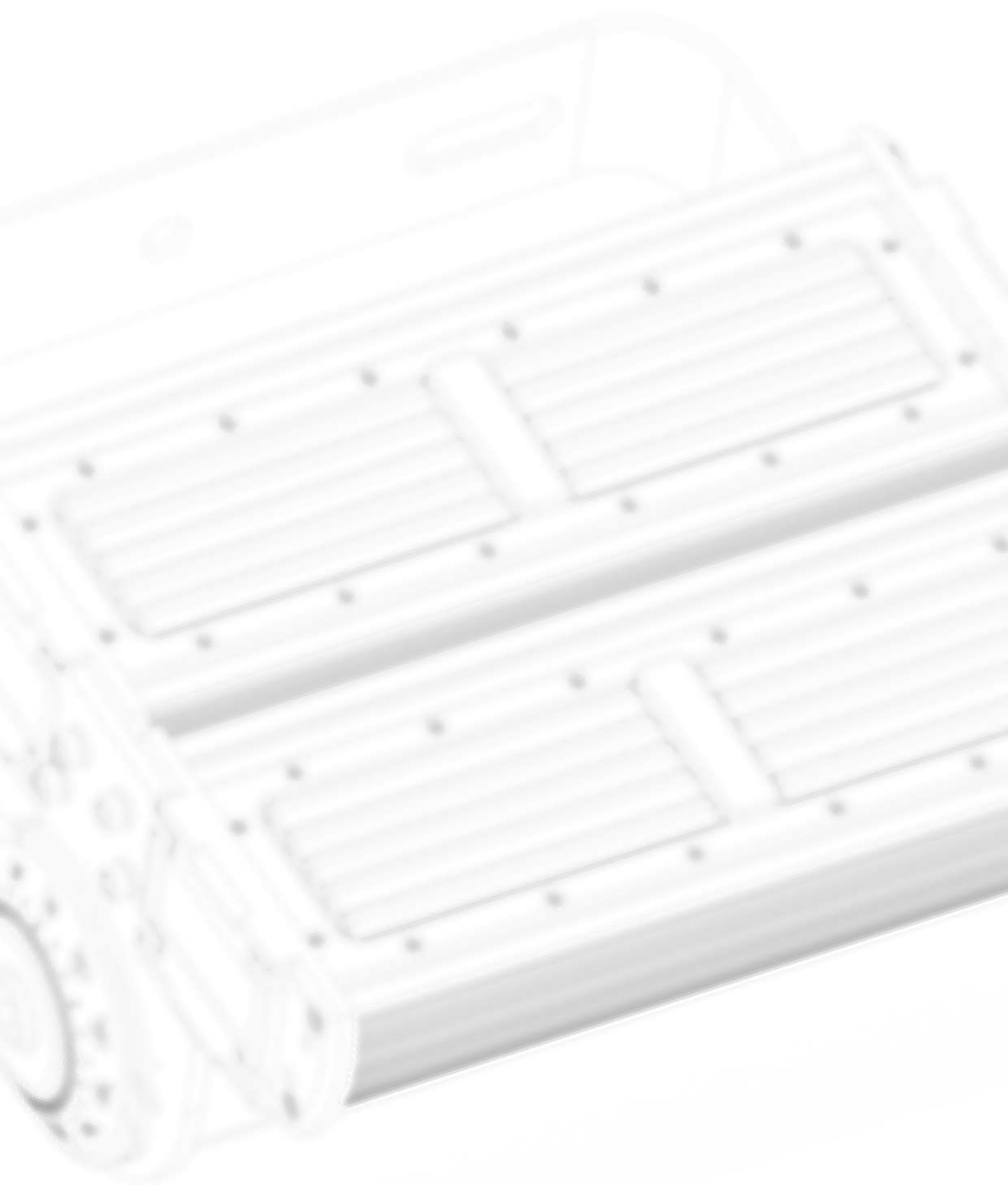
Muscat (Golf Course)

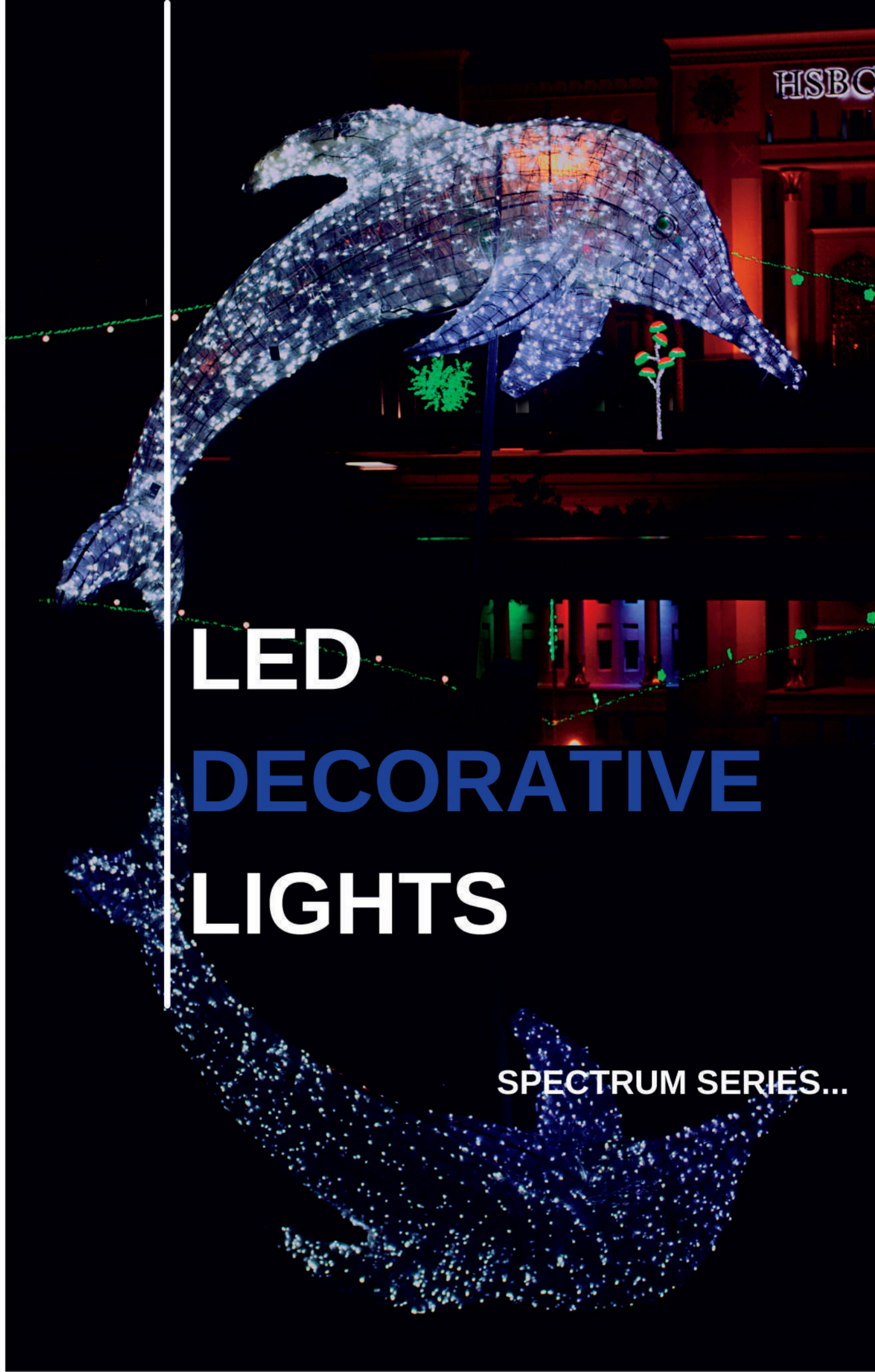


Al Batinah International School, Sohar (Football Ground)



Suwaiq (Football Ground)





LED DECORATIVE LIGHTS

SPECTRUM SERIES...

Decorative Lights: Spectrum Series



Features

- Several mounting options
- Exclusive design to suit the Middle East weather conditions
- Omani product



Festive colors available:

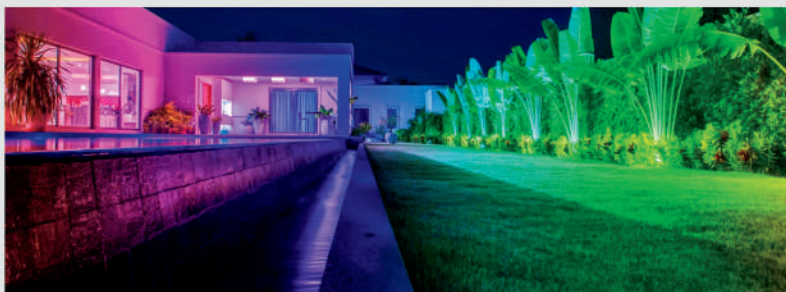


The light's name '**Spectrum**' stems from the fact that it is available in a range of colors and has extremely smooth effects while highlighting monuments, buildings, houses, etc...

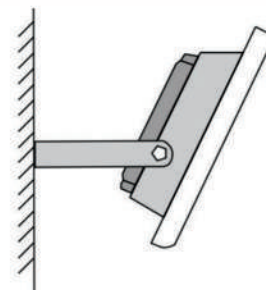
Specifications

Model Number	GA20-FLA02-100W
Colors	Red, Green, Blue, White, Pink, Amber
Wattage	100 W
Luminous Flux	10000 LM
Efficacy	100 LM/W
LED Driver	Philips
LED Chip	Philips
Ingress Protection (IP)	IP65
Input Voltage	100 - 240 VAC/100 - 227 VAC, 50-60 Hz, PF 0.95
Operating Temperature	-30°C to +50°C
Lifetime of LED @Ta=25°C	50000Hrs.
Dimensions	250 × 350 × 75 mm
Net Weight	3.8 kg

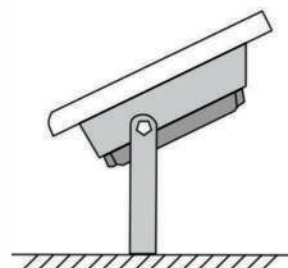
Applications



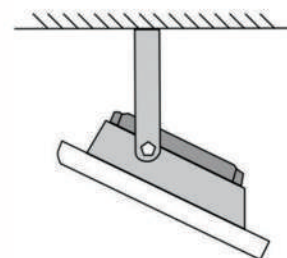
Mounting Options



Wall
Mounting



Ground
Mounting



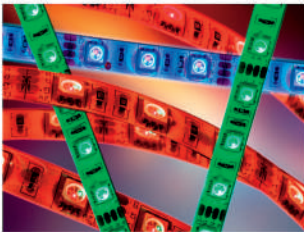
Ceiling
Mounting

More on: Decorative Lights

G-Axis provides everything from design, customization, supply and installation of decorative facade lights:



More facade lights for various lighting effects



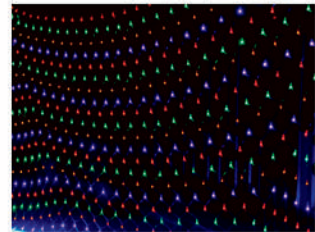
Strip Lights



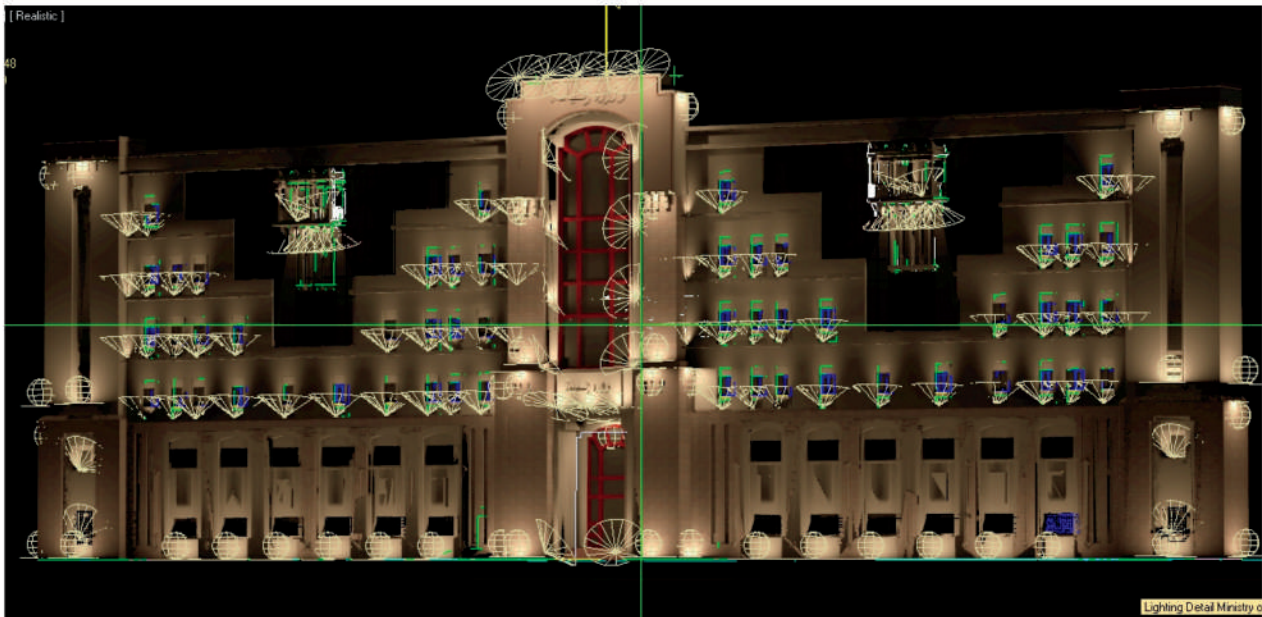
Festoon Bulbs



G-Flex

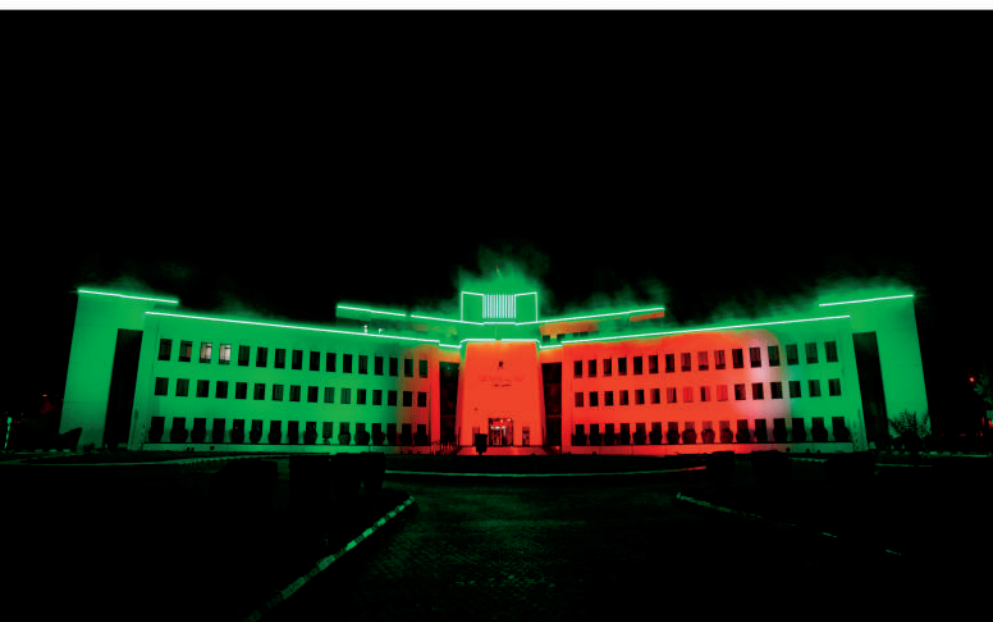
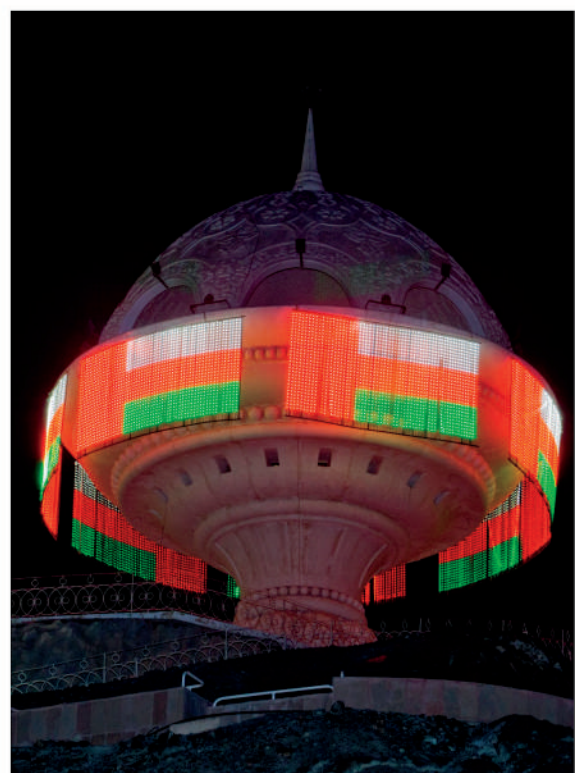


Mesh Lights



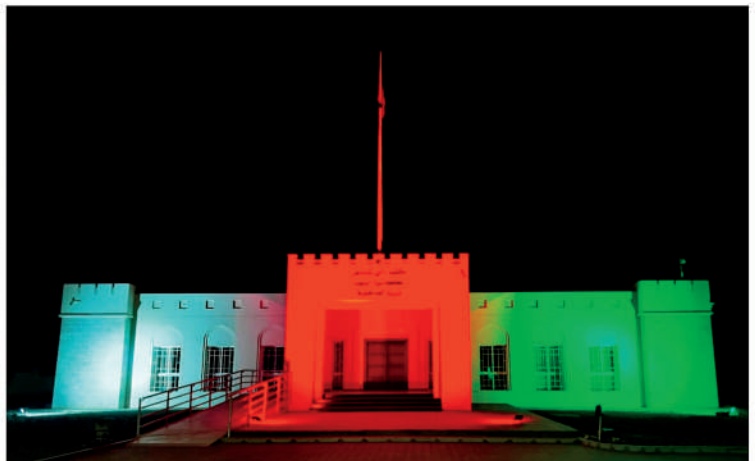
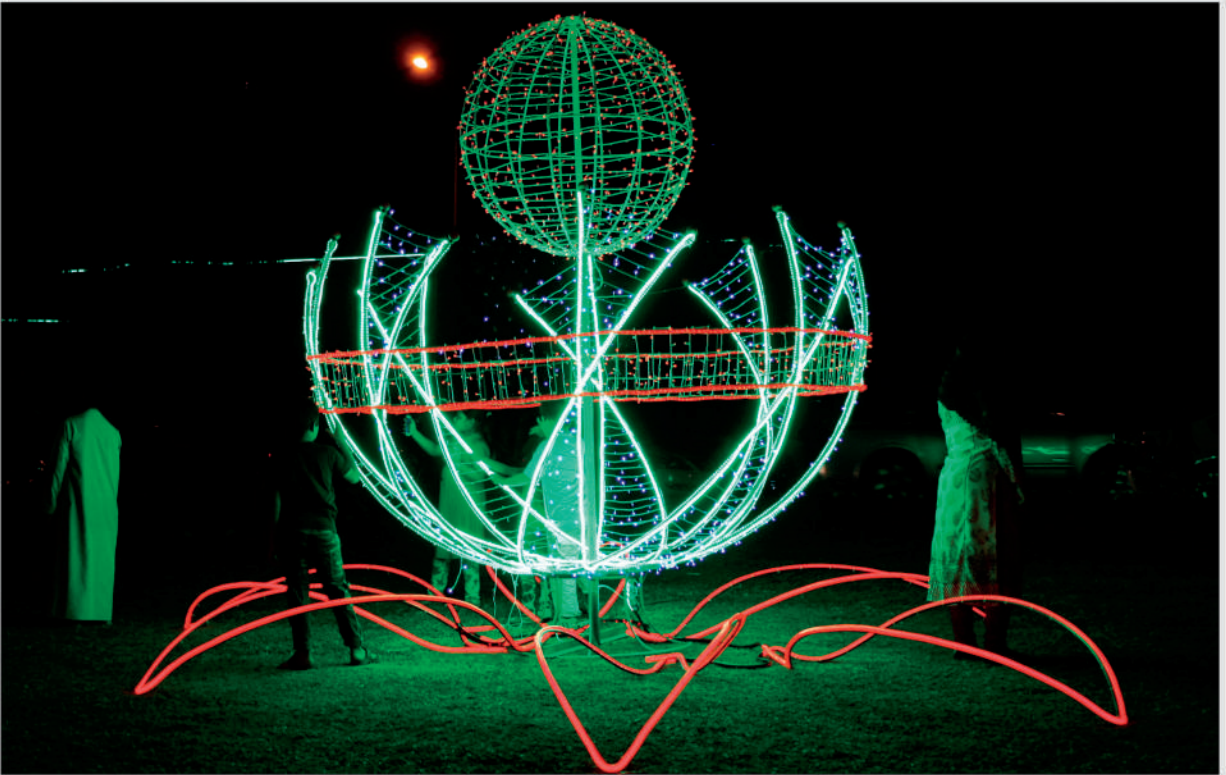
Light Designing and Simulation

PROJECTS



Every National Day, our decorative lights illuminate most of the buildings and monuments in Oman. These lights have casted amazing effects on prestigious platforms such as Ministry buildings, hotel buildings, malls and historic monuments in Oman.

Projects



Projects





Other G-AXIS Products:



Solar Street Lights



Road Signs

OMAN - HEADQUARTERS

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