



Product Catalogue

GUJARAT ENERGY

LED LIGHT MANUFACTURE



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Valuable Customers



ANANT WORKS LLP



Mission

Our Company aims to expand its business in distant marketplaces with complete honesty and integrity. We strive to make Eco-friendly products which are highly sustainable.

Our company is helping customers by offering them nothing less than best service, quality and value.

With our LED's we're spreading power of light.

The vision of our reputed business unit is to be recognized as India's only customer focused entity.

We dream of having our LED products in every Indian and International spaces.

Vision

Core Values

The core value of our company rests behind the fact that every deed in our organization is done to build a positive team and family spirit amongst the co-workers so as to deliver best lighting solutions to the buyers. We as a company are a team of passionate and determined individuals who work with commitment to execute each business projects with complete ease. We are humble and focused to deliver best products at the client's destination henceforth maintain an open & honest relationship. Our brochure features our own brands of LED lighting, but we can also meet any LED lighting you require.

- **Client-oriented approach**
- **Prompt delivery**
- **Competent team of professionals**
- **Realistic price structure**
- **Customization facility**
- **Stringent quality standards**
- **Strong logistic support**

Why GEL?

GUJARAT ENERGY incorporated in the year 2015 Certified organization is a pioneer in the field of LED based Lighting Systems and has been engaged in manufacturing of LED based Lighting Systems, Consumer goods and other Industrial Products.

Our range comprising LED Lights, LED Surface Light, LED Street Light, LED Tube Lights, LED Flood Light and many more is widely recognized for better illuminating Quality and eco-friendly nature. The main goal of "GEL" is to provide best service and Product for commercial and industrial use that will lower energy and maintenance costs and reduce carbon footprints.

We have manufacturing facilities in Gandhinagar, Gujarat. We would like to draw your kind attention to the main features of our LED based indoor and outdoor lights.

ADVANTAGES OF LED LIGHTS OVER HALOGEN.

- Leds require less power to operate
Then halogen lights.
- Led lights has much more life then
Halogen lights.
- Leds lights require significantly less
Energy than halogen to produce the same
Or higher quality.
- Led lights are brighter then halogen lamps.
- Upto 70% can save electricity.
- Mercury gas free.
- Leds have more lumen then halogens

PANEL LIGHT



Features and Advantages

1. Work well in area with unstable electricity supply of voltage
2. Ideal for installation where maintenance is difficult
3. Customizability
4. Light Adjustment
5. Shock-resistant

Dimensions

Round, Square

(Note : Cut Out Dimensions are same for Both)

Specifications

Brand	GEL LED				
Watt	3W	6W	12W	15W	18W
Cut Out Dimensions (mm)	2.55 Inch	4 Inch	6 Inch	6 Inch	8 Inch
Outer Dimensions (mm)	3.25 Inch	4.75 Inch	6.70 Inch	6.70 Inch	8.85 Inch
LED Type & Quantity	SMD 2835 LED				
Colour Temperature	Warm White		2800-3500K		
	Neutral White		4000-4700k		
	Cool White		5500-6500K		
Colour Rendering Index	Ra>80				
Power Supply Efficiency	>90%				
Power Factor	>0.95				
IP Rating	IP 50				

Environmental :

Operating Temperature	-20°C to 40°C
Humidity Range Operating	20% to 95%
Temperature Range Storage	40°C to 75°C
Humidity Range Storage	10% to 80%



ZERO
maintenance



>50% 50% energy
saving over CFLs



ZERO
Mercury



4 times more
life over CFLs

SURFACE LIGHT



Features and Advantages

1. Its elegant appearance, and very smooth and tidy finish.
2. Outstanding heat dissipation helps to reduce the luminous degradation and extend lifespan of our products.
3. High lighting efficiency.
4. Immediate start when turned on, no flickering and no humming.
5. Over 50,000* hour's life expectancy.

Dimensions

Round, Square


(Note : Outer Dimensions are same for Both)


Specifications


Brand	GEL LED			
Watt	6W	12W	15W	18W
Outer Dimensions (mm)	120 x 120 x 37 mm	170 x 170 x 37 mm	170 x 170 x 37 mm	225 x 225 x 37 mm
LED Type	SMD 2835 LED			
Colour Temperature	Warm White		2800-3500K	
Colour Temperature	Neutral White		4000-4700k	
Colour Temperature	Cool White		5500-6500K	
Colour Rendering Index	Ra > 80			
Power Supply Efficiency	>90%			
Power Factor	>0.95			
IP Rating	IP 50			


Environmental :

Operating Temperature	-20°C to 40°C
Humidity Range Operating	20% to 95%
Temperature Range Storage	40°C to 75°C
Humidity Range Storage	10% to 80%

 **ZERO** maintenance

 **ZERO** Mercury

 **>50%** 50% energy saving over CFLs

 **4 times more** life over CFLs

T5 TUBE LIGHT



Features and Advantages

1. Less mercury combined with energy efficiency and long life reduces the impact on the environment.
2. Square profile lamp and ballast.
3. Sustainable Lighting Solution - low mercury.

Specifications

Brand	GEL TUBELIGHT			
Watt	5W	10W	22W	24W
LED Type	SMD 2835 LED			
Lumen	Cool White, 130 - 140 Lm/W			
Colour Temperature	Cool White, >5500-6500K			
Colour Rendering Index	Ra > 80			
Power Supply Efficiency	>90%			
Power Factor	>0.95			
IP Rating	IP 50			
Input Voltage	110V to 285V AC			
Driver Types	Integral			
Optics	Polycarbonate Diffuser			
High Surge Protection	2.5 KV			

Environmental :

Operating Temperature	-20°C to 40°C
Humidity Range Operating	20% to 95%
Temperature Range Storage	40°C to 75°C
Humidity Range Storage	10% to 80%



Reliable

- Operates between -20°C to 45°C ambient temperature
- Long life : 40000* hrs (L70)



Energy Efficient

- 60%*energy saving v/s conventional products



Comfortable

- Diffused uniform light output
- Better Color Rendering (R9 > 0 & CRI > 83)



Environment Friendly

- No mercury
- No glass

STREET LIGHT



Features and Advantages

1. Design and Style
2. Energy efficiency
3. Low energy consumption
4. Long and predictable lifetime
5. No problem with immediate restart
6. Quick turn on and off
7. More accurate color rendering

Specifications

Input Voltage	110V to 285V AC										
Power consumption	15W	24W	30W	36W	50W	60W	72W	100W	120W	150W	180W
Lumens											
Light Source	1 Watt, 3030 LED										
LED Life	=> 50,000 Hrs*										
Colour Temperature	Cool White 6500K , Warm White 2700-3000K										
System efficacy	>90%										
Colour Index (CRI)	>80%										
Beam Angle	120 Degrees										
Power Factor (PF)	>0.95%										
Protections	Short Circuit, Open Circuit, Over Voltage Protection, Under Voltage Protection, (All protections should be auto restart)										
THD	<=10%										
Electronic efficiency	>=85%										
Surge withstand	4-6 Kv										
Working Temp	-40°C + 80°C										
Enclosure	Pressure Die Cast Aluminium with efficient heat dissipation design and coating										
Ingress Protection	IP65										
Connecting cable	3 core (minimum 0.5mm ²)										

FLOOD LIGHT



Features and Advantages

1. High purity Aluminium reflector, the most accurate beam, the best reflection.
2. Easy maintenance, replacement of the lamp is easy.
3. Energy Friendly
4. High on Safety
5. Produce Bright White Light
6. Unaffected by Weather and Temperature Changes
7. Free of Mercury, Lead and Carbon Emissions

Specifications

Input Voltage	110V to 285V AC								
Power consumption	30W	60W	100W	150W	200W	240W	300W	360W	420W
Lumens	4200	8400	14000	21000	28000	33600	42000	50400	58800
Light Source	1 Watt, 3030 LED								
LED Life	=> 50,000 Hrs*								
Colour Temperature	Cool White 6500K, Warm White 2700-3000K								
System efficacy	>90%								
Colour Index (CRI)	>80%								
Beam Angle	120 Degrees								
Power Factor (PF)	>0.95%								
Protections	Short Circuit, Open Circuit, Over Voltage Protection, Under Voltage Protection, (All protections should be auto restart)								
THD	<=10%								
Electronic efficiency	>=85%								
Surge withstand	4-6 Kv								
Working Temp	-40°C + 80°C								
Enclosure	Pressure Die Cast Aluminium with efficient heat dissipation design and coating								
Ingress Protection	IP66								
Connecting cable	3 core (minimum 0.5mm ²)								

LUMENA FLOOD LIGHT



Features and Advantages

1. High purity Aluminium reflector, the most accurate beam, the best reflection.
2. Easy maintenance, replacement of the lamp is easy.
3. Energy Friendly
4. High on Safety
5. Produce Bright White Light
6. Unaffected by Weather and Temperature Changes
7. Free of Mercury, Lead and Carbon Emissions

Specifications

Input Voltage	110V to 285V AC				
Power consumption	100W	150W	200W	240W	360W
Lumens	20000	30000	40000	48000	72000
Light Source	5W, 5050 Power LED with Lens				
LED Life	=> 50,000 Hrs*				
Colour Temperature	Cool White 6500K				
System efficacy	>90%				
Colour Index (CRI)	>80%				
Beam Angle	120 Degrees				
Power Factor (PF)	>0.95%				
Protections	Short Circuit, Open Circuit, Over Voltage Protection, Under Voltage Protection, (All protections should be auto restart)				
THD	<=10%				
Electronic efficiency	>=85%				
Surge withstand	4-6 Kv				
Working Temp	-40°C + 80°C				
Enclosure	Pressure Die Cast Aluminium with efficient heat dissipation design and coating				
Ingress Protection	IP66				
Connecting cable	3 core (minimum 0.5mm ²)				

LED HIGH BAY LIGHTS



Features and Advantages

1. Robust structure
2. For maintenance, an IP 65 plug is fitted on luminaire to disconnect the main feed
3. Upgradable for future technology advances
4. Easy to install
5. Built-in driver protection against: Voltage fluctuation, overheating, short circuit, overloads,

Specifications

Input Voltage	110V to 285V AC					
Power consumption	30W	36W	50W	60W	100W	150W
Lumens	4200	5040	7000	8400	14000	21000
Light Source	1 Watt, 3030 LED					
LED Life	=> 50,000 Hrs*					
Colour Temperature	Cool White 6500K, Warm White 2700-3000K					
System efficacy	>90%					
Colour Index (CRI)	>80%					
Beam Angle	120 Degrees					
Power Factor (PF)	>0.95%					
Protections	Short Circuit, Open Circuit, Over Voltage Protection, Under Voltage Protection, (All protections should be auto restart)					
THD	<=10%					
Electronic efficiency	>= 85%					
Surge withstand	4-6 Kv					
Working Temp	-40°C + 80°C					
Enclosure	Pressure Die Cast Aluminium with efficient heat dissipation design and coating					
Ingress Protection	IP 66					
Connecting cable	3 core (minimum 0.5mm ²)					

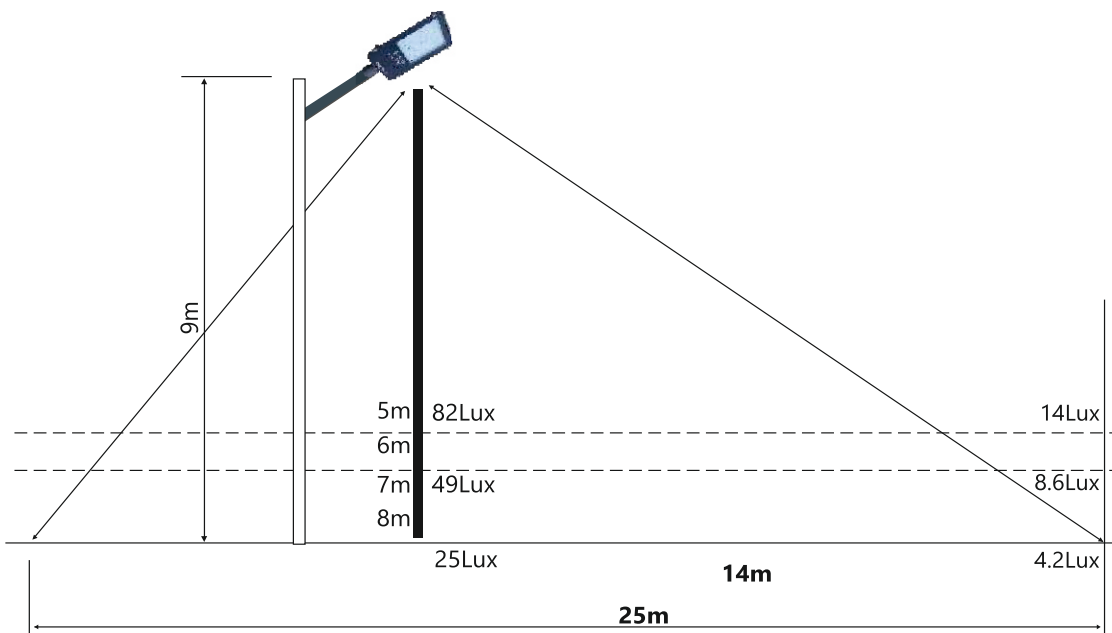


GEL Outdoor Lights with Different height Pole

Design of Road Lighting (Recommend) & The Ground illuminance Table:

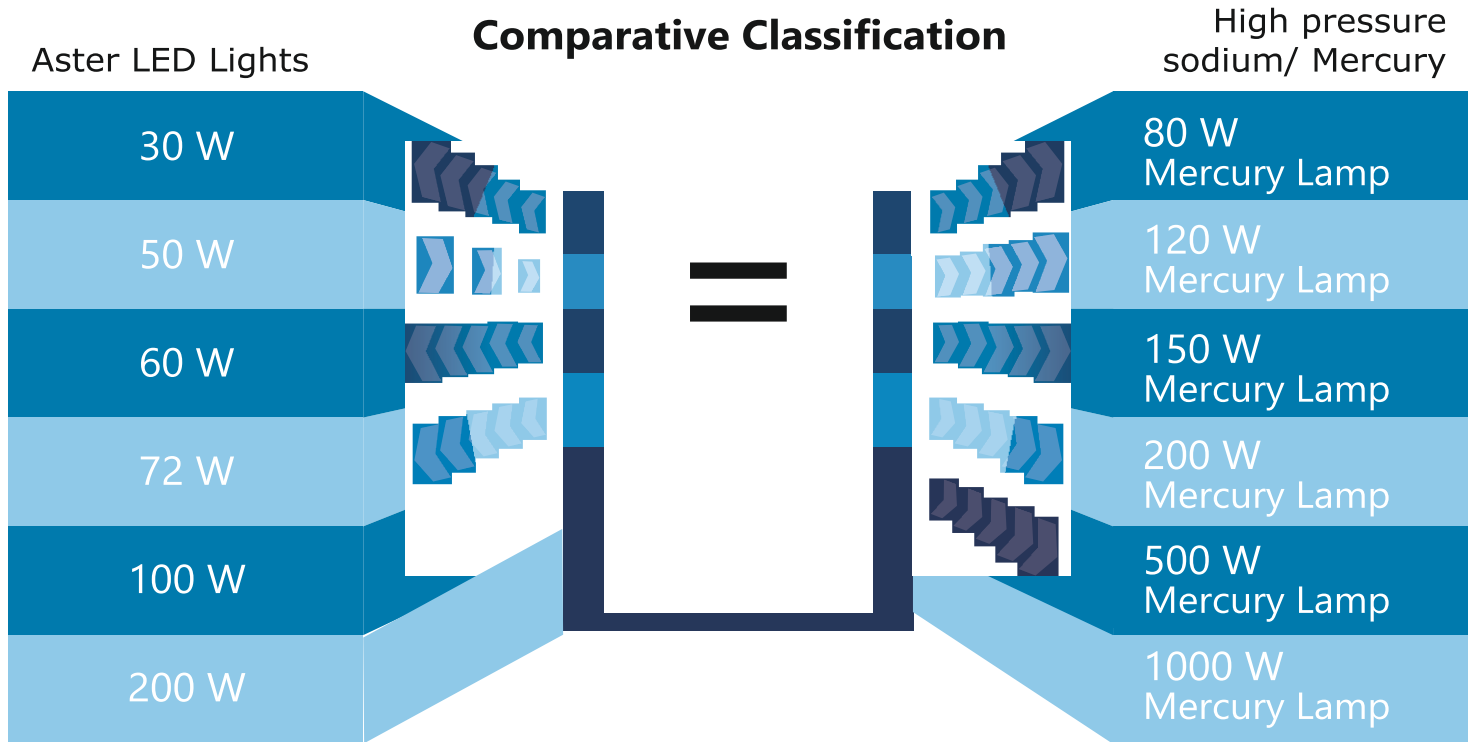
GEL Lights with different Height pole:

Pole height (Mtr)	LED Light Power	Area Cover Approx (Mtr)	Distance between Pole(Mtr)	Max Lux	Average Lux
4m	15W	9m	12-15m	70	50
5m	24W	12m	15-18m	75	50
6m	30W	15m	18-22m	80	55
7m	48W	18m	22-25m	85	60
8m	60W	20m	22-25m	90	65
8m	72W	25m	25-30m	90	65
10-12m	100W	30m	18-22m	130	70
13-16m	150W	35m	22-25m	130	80
17-20m	200W	40m	22-25m	130	90
21-25m	240W	40m	25-30m	130	90



Note: This guide is meant to help in making guidelines not precise calculations.

Why Choose GEL Street/ Flood Lights



Cost Comparison

- Calculation as per below data:
- Working Hours: 12 Hrs.
- Unit Rate -6/- Rs.
- Working Day Year: 300 days

Year	72 W LED Street Light				200 W Mercury Lamp			
	Initial Cost of Light	Electricity Comsumed	Maintenance Cost	LED Light Cost	Initial Cost of Light	Electricity Comsumed	Maintenance Cost	Mercury Lamp Cost
1	2700	1555	0	4255	1200	4320	0	5520
2	0	1555	0	5810	0	4320	300	10140
3	0	1555	0	7365	0	4320	300	14760
4	0	1555	200	9120	0	4320	300	19380
5	0	1555	200	10875	0	4320	300	24000



GEL 3R Rules

- Quality : Rights of the Customer
- Service : Responsibility of the Company
- Price : Respect of the Product

