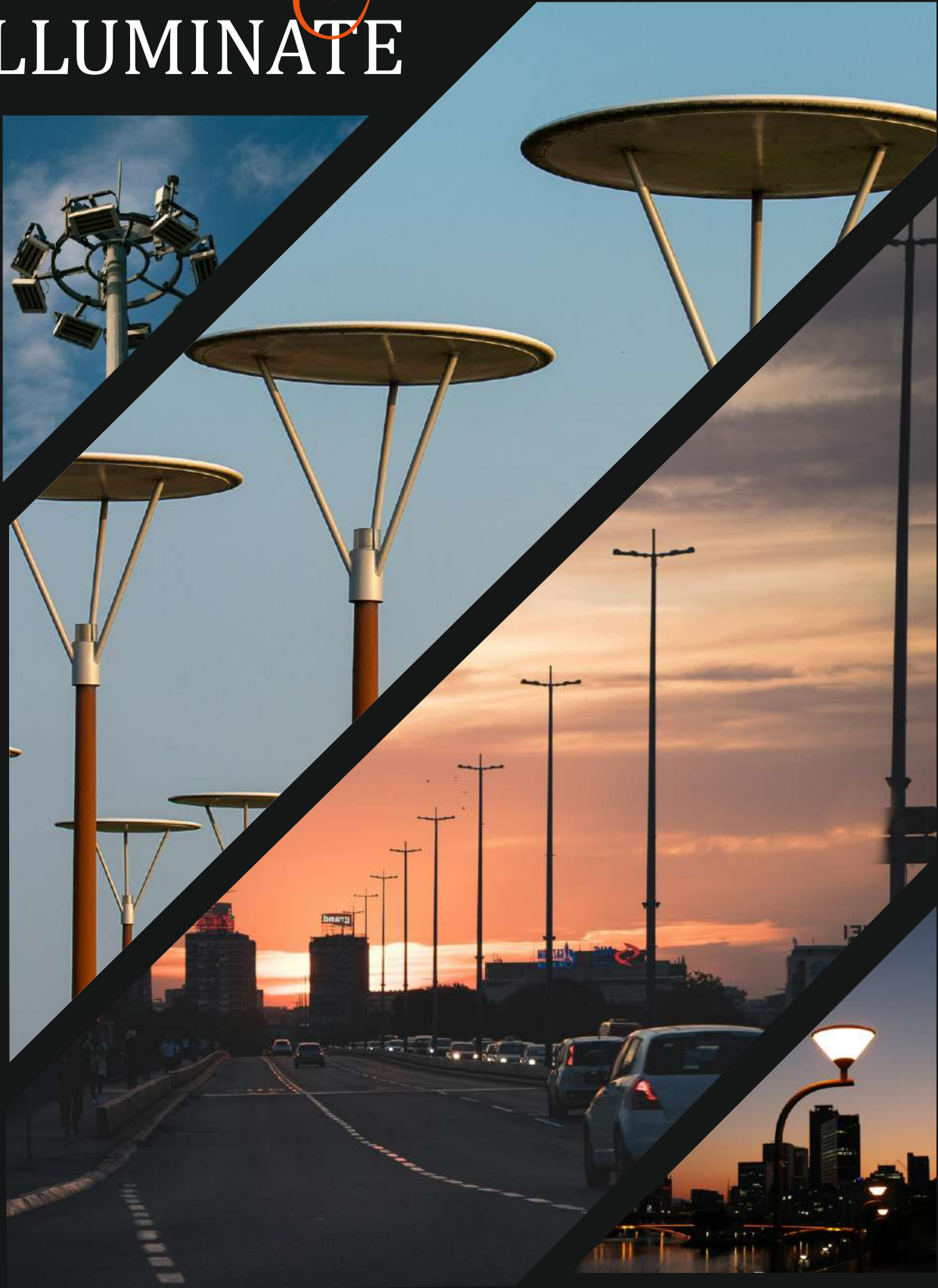


ELEVATE & ILLUMINATE



Poles, High Masts & Decorative Poles

About Halonix

Halonix Technologies Pvt. Ltd. is amongst India's fastest-growing electrical companies. It caters to both consumers and institutional buyers with its innovative and smart-tech offerings across Lighting, BLDC Fans, Smart IOT products and Switchgears. The company has been a forerunner in the development of energy-efficient and innovative solutions for large projects across Highways, Railways, Airports, Offices and Retail spaces.

With the credo of "Make in India" and "Made for India", Halonix has thrived by demonstrating unmatched proficiency in developing, validating and deploying relevant and suitable solutions for Indian climatic conditions. This focus on innovation is driven by a large in-house R&D team, cutting-edge manufacturing capabilities and a fully accredited NABL Laboratory.

Spearheading the technological revolution, the company has led the charge in bringing forth energy-efficient lighting solutions. Presently, Halonix stands as one of the Top lighting brands within the industry, securing a prominent position through its innovative offerings perfectly aligned with the evolving demands of consumers.

True to its commitment to environmental sustainability, Halonix has consistently stayed ahead of the curve, embracing cutting-edge technologies in LED lighting. Its innovations include many 'First in India' products such as Wall De-light, DJ Speaker Bulb, Speaker Bulb, family of Inverter Lighting Products, family of Prizm-Millions of Colours Lighting Solution, Motion Sensor Bulb and the All-Rounder family of 3-wattages-in-one Bulbs.

Moreover, it has also launched several other innovations, such as a Plug & Play Fire Alarm, an Air Purifier Bulb and an Air Purifier Desktop Device.

The brand has also diversified into a wide range of Electrical Accessories such as Wi-Fi plugs, Extension Cords, Torches and Emergency Lights.

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Product Range

At Halonix, We have established strategic partnerships with key manufacturers having state-of-the-art in-house design, manufacturing and testing facilities for Poles, Mast & Structures for empowering us to deliver highly durable, aligned with specifications, high-performance lighting infrastructure tailored to diverse project needs—from highways and industrial zones to urban developments. Our dedicated vendor network & In-house Quality team ensures consistent quality, adherence to national standards, and seamless project execution, reinforcing our commitment for timely delivery and customer satisfaction. Our In-house expertise ensures the customization of the products, duly manufactured as per applicable design fully compliant with relevant IS Standards.

OCTAGONAL POLES & BRACKETS



Durable octagonal poles for robust and versatile lighting. Ranging from 3m to 12m.

HIGH MAST



High masts for expansive, efficient lighting coverage. Ranging from 10m to 30m.

DECORATIVE POLES & BRACKETS



Enhance the beauty and functionality of any space with our premium decorative poles & brackets.

SOLAR STREET LIGHT POLES & STRUCTURES



Efficient, eco-friendly solar street light poles for sustainable lighting solutions.

STADIUM MAST



High-performance stadium masts with superior, reliable lighting solutions for every stadium & sports.

TUBULAR POLES



Engineered for durability and strength, ranging from 3m to 12m.

Key Production Steps



Automatic CNC air plasma sheet cutting machine



Automatic CNC press brake with laser beam machine



Automatic CNC pole welding machine



Pole Straightening



Hot-dip Galvanization



Packaging & Dispatch

Octagonal Poles



Engineered for strength, durability, and aesthetics, our octagonal poles are ideal for street lighting, solar lighting, and other applications across diverse outdoor environments. Manufactured from premium galvanized steel, these poles are built to withstand extreme weather while offering excellent load-bearing capacity.

Available in various heights and diameters, they can be customized with different finishes, colors, arm configurations, and mounting options. With a sleek, modern profile and robust construction, Halonix octagonal poles offer a perfect blend of functionality and visual appeal—making them a reliable choice for urban and infrastructure projects.

Key Features

1. Enhanced Wind Resistance

Crafted with an aerodynamic profile, our octagonal poles minimize drag and maximize stability—making them ideal for high-wind and storm-prone zones where traditional round poles fall short.

2. Superior Corrosion Resistance

Engineered using galvanized steel or powder-coated aluminum, these poles are built to endure — even in coastal, saline, or industrial environments — ensuring performance that lasts, year after year.

3. Smart Lighting Integration

Designed with tomorrow in mind, our poles support seamless integration of LED fixtures or solar panels—delivering not just illumination, but energy savings and environmental impact reduction.

4. Built-In Cable Management

Aesthetics meet functionality with our concealed cable routing system. It ensures cleaner installations, enhanced safety, and easier maintenance—all without compromising design.

5. Hassle-Free Maintenance

Thanks to smooth finishes and robust materials, our poles demand minimal upkeep—resisting wear, reducing downtime, and saving on long-term operational costs.

6. Reinforced Structural Stability

The unique shape of octagonal poles ensures uniform stress distribution, drastically reducing the risk of tilting or toppling—even under extreme weather conditions.

Special Features



DESIGN, STANDARD FOLLOWED

Wind load capacity - As per IS:875 Part 3

Construction - S 355 grade as per BS EN 10025/ IS 2062

Foundation Bolts - EN-8 Grade

Finishing - Hot - dip galvanized as per IS 2629/ BS EN ISO 1461

Product manufactured as per relevant applicable latest standards

Key Application Areas



Urban Street Lighting



Commercial & Industrial Campuses



Highways & Expressways



Parking Areas



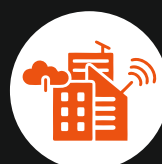
Townships & Housing Societies



Public Parks & Promenades



Transit Hubs



Smart City Projects

Standard Specifications

Height (m)	Top Dia (mm)	Bottom Dia (mm)	Sheet Thk. (mm)	Base Plate			Bolt Size (Dia x L) (mm)
				LXW (mm)	T (mm)	PCD (mm)	
3	70	130	3	200x200	12	200	M16x450
4	70	130	3	200x200	12	200	M16x450
5	70	130	3	200x200	12	200	M16x600
6	70	130	3	220x220	12	220	M20x600
7	70	130	3	220x220	12	220	M20x600
7	75	150	3	300x300	20	300	M20x700
8	70	135	3	225x225	16	225	M20x600
8	70	155	3	225x225	16	225	M20x700
9	70	155	3	260x260	16	260	M20x750
9	100	200	3	350x350	20	350	M24x750
10	70	155	3	260x260	16	260	M24x750
10	70	175	3	275x275	16	275	M24x750
11	70	175	3	275x275	16	275	M24x750
11	90	210	3	310x310	16	310	M24x750
12	90	210	3	310x310	16	310	M24x750

Customization & Finishing

We offer customized octagonal poles tailored to your project needs - including height, arm type, base plate design, and wind load requirements.

Finishing Options:

- Hot Dip Galvanized (IS 2629 / IS 4759)
- Powder Coated (RAL shades on request)
- PU Paint Finish (optional for added durability)

Custom solutions for brackets, CCTV mounts, and junction boxes are also available.

Note - Octagonal poles can be manufactured as per customers specific requirements too

High Mast



Designed to light up large spaces with precision and power, our high mast poles hold multiple luminaires at elevated heights—typically arranged in a circular formation for uniform, glare-free coverage across vast areas like highways, stadiums, industrial zones, and cityscapes. Whether equipped with energy-efficient LED fixtures or conventional lights, each system is customized to match the unique needs of the project—ensuring safety, visibility, and aesthetics go hand in hand.

Built from robust steel, these poles are engineered to withstand challenging environments, from coastal winds to torrential rains. With a wide base foundation and smart structural design, they stand tall, steady, and secure—offering peace of mind with every installation.

Key Features

1 Custom Heights & Configurations

Available in a variety of heights and designs, tailored to meet specific site requirements for lighting coverage.

2 Corrosion Resistance

Hot-dip galvanized or powder-coated for protection against rust and environmental wear, making it suitable for coastal, urban, or industrial areas.

3 Wind Load Resistance

Engineered to withstand high wind loads as per IS: 875 Part 3, ensuring structural integrity in harsh weather conditions.

4 Adjustable Head frames

Head frames that allow for easy adjustment of lighting angles to optimize illumination coverage.

5 Integrated Grounding Systems

Built-in grounding systems to protect against electrical surges and provide safety for the structure and surrounding area.

6 High Efficiency Lighting Integration

Compatible with energy-efficient LED fixtures, providing excellent illumination with lower energy consumption.

7 Weatherproof Electrical Components

Electrical connections and components designed to withstand exposure to the elements, ensuring reliable operation in all conditions.

8 Compliance with Standards

Meets or exceeds international safety and quality standards such as IEC, ISO, or ANSI.

Special Features



DESIGN, STANDARD FOLLOWED

Wind load capacity - As per IS:875 Part 3

Shaft - S 355 grade as per BS EN 10025 / IS 2062

Flange - As per IS 2062

Foundation Bolts - EN-8 Grade

Finishing - Hot - dip galvanized as per IS 2629/ BS EN ISO 1461

Product manufactured as per relevant applicable latest standards

Key Application Areas



Stadiums & Sports Complexes



Highways & Road Intersections



Airports & Aviation Zones



Ports & Shipyards



Railway Yards & Terminals



Industrial Areas & Stockyards



Urban Infrastructure & Parking Lots



Mining & Construction Sites



Border Security & Defense Installations

Standard Specifications

Height (m)	Bottom Dia (mm)	Top Dia (mm)	Sheet Thk. (mm)			Base Plate-PCD (mm)		Foundation Bolts		
			T	M	B			Dia (mm)	L (mm)	Qty (nos.)
12.5	360	150	3	-	3	520x25	445	M24x750x6		
12.5	360	105	3	-	3	520x25	445	M24x750x6		
16	360	150	3	-	3	520x25	445	M30x850x8		
16	410	150	3	-	4	630x25	530	M30x850x8		
16	460	150	3	-	4	670x25	580	M30x850x8		
20	410	150	3	-	4	630x30	580	M30x850x8		
20	460	150	3	-	3	670x30	580	M30x850x8		
20	460	150	3	-	4	670x30	580	M30x850x8		
25	460	150	3	4	5	670x30	580	M30x1000x12		
25	540	150	3	4	5	730x30	650	M30x1000x12		
25	540	150	4	4	5	730x30	650	M30x1000x12		
30	540	150	3	4	5	750x30	650	M30x1000x12		
30	540	150	4	4	5	750x30	650	M30x1000x12		
30	610	200	3	4	5	840x30	740	M30x1000x12		
30	610	200	4	4	6	840x30	740	M30x1000x12		
30	610	200	4	5	6	840x30	740	M30x1000x12		

We offer customized high masts tailored to your project needs - including height, lantern carriage capacity, base plate design, and wind load requirements.

We also offer stadium mast with a suitable headframe, fully equipped with all accessories and tailored to custom specifications.

Note - High Mast can also be manufactured for other customized options

High Mast Electrical Accessories

Lantern Carriage



Lantern carriage is a crucial component of high mast lighting systems, designed to securely hold and support lanterns at the top of the mast. Constructed from durable, weather-resistant materials like galvanized steel or aluminum, it ensures long-term performance and corrosion resistance. The carriage allows for smooth rotation of the lanterns, providing easy access for maintenance and alignment.

Key features:

- **Durability & Corrosion Resistance:** Built to withstand harsh environments.
- **Rotational Movement:** Facilitates easy adjustments and maintenance.
- **Supportive Design:** Capable of holding multiple lanterns for optimal lighting.
- **Safety Mechanisms:** Equipped with locking features for secure operation.

Suspension Rope

Suspension rope - a high-strength cable used to securely support and stabilize loads, in high mast lighting systems. It is designed to withstand heavyweights and environmental stress while providing reliable performance.

Key Features:

- **High Strength:** Made from durable materials such as steel or synthetic fibers to handle heavy loads and tension.
- **Corrosion Resistant:** Coated or treated to resist rust and wear from exposure to harsh weather conditions.
- **Reliable Performance:** Ensures safe and stable suspension of lighting fixtures, equipment, or other loads.



Feeder Pillar

Feeder pillar - an electrical distribution unit used to house and protect electrical components such as circuit breakers, fuses, and transformers. It acts as a central point for distributing power to various electrical systems, commonly in high mast lighting, street lighting, and industrial installations.

Key Features:

- **Durable Construction:** Made from weather-resistant materials like galvanized steel or fiberglass to ensure long-lasting protection.
- **Safety & Protection:** Houses electrical components securely to prevent damage and ensure safe operation.
- **Easy Access:** Provides convenient access for maintenance and adjustments to electrical connections.
- **Weather Proof:** Designed to withstand harsh environmental conditions and ensure reliable operation outdoors.
- **Versatile:** Suitable for use in high mast lighting, street lighting, and various industrial power distribution applications.



Head Frame

Head frame - a structural framework used to support and stabilize equipment, typically in high mast lighting systems or other heavy lifting applications. It is positioned at the top of the mast and facilitates the movement or suspension of lighting fixtures and related components.

Key Features:

- **Robust Construction:** Made from strong materials like steel or aluminum to ensure stability and durability.
- **Supportive Design:** Provides secure mounting for electrical components, including lanterns and winches.
- **Corrosion Resistant:** Coated or treated to resist environmental wear and tear.
- **Reliable Performance:** Ensures smooth and secure operation, even in extreme weather conditions.
- **Versatile:** Used in various applications, including high mast lighting, construction, and industrial setups.



High Mast Electrical Accessories

Trailing Cable



Trailing cable - a flexible, durable electrical cable used to connect and supply power to mobile or temporary equipment, often in outdoor or industrial settings. It is commonly used in high mast lighting systems and other heavy-duty applications where mobility and reliability are essential.

Key Features:

- **High Flexibility:** Designed to withstand bending, twisting, and movement without compromising performance.
- **Durable Construction:** Made with tough insulation materials to resist wear, abrasion, and environmental exposure.
- **Weather Proof:** Built to perform in harsh conditions, including extreme temperatures, moisture, and UV exposure.
- **Reliable Power Supply:** Ensures continuous and stable power delivery to connected equipment.
- **Versatile:** Ideal for use in high mast lighting, construction, mining, and other heavy-duty tasks requiring portable power solutions.

Lightning Arrestor

Lightning arrestor and a lightning finial both protect high mast lighting systems from lightning strikes, a functional device, typically a metal rod or conductor, mounted at the top of a pole to safely direct the electrical charge from a lightning strike into the ground, preventing damage to the structure. Essentially, both provide crucial lightning protection, with the finial offering a more visually appealing option. Each mast is equipped with a single lightning finial positioned at the highest point of the headframe.



Winch



Winch - a heavy-duty mechanical device used to lift, pull, or position heavy loads. It features a strong construction, typically made of steel or aluminum, and a reliable gear and braking system for smooth and controlled operation. Designed with gear ratio 53:1 for high load capacity, it is corrosion-resistant and ideal for demanding applications of high mast lighting installations. We provide both single, double drum winch with sufficient SWL as per the requirement.

Foundation Bolts

We provide high tensile Strength Foundation Bolts along with nuts, washer, anchor plates and templates to provide a strong support to the mast as well as poles. It is a very important component in terms of structural safety. Foundation bolts are critical for securely anchoring high mast lighting systems and poles to their foundations, ensuring stability and durability. Made from high-strength, corrosion-resistant materials like galvanized or stainless steel, they are designed to withstand harsh weather, dynamic loads, and provide long-lasting performance. Available in various sizes and thread types, these bolts are customizable to meet specific pole and site requirements. They are essential for street lighting, high mast lighting, and communication poles, offering quick installation, reduced maintenance, and enhanced safety. Their corrosion resistance and strong load-bearing capacity ensure reliability and longevity in all environmental conditions.



Decorative Poles



Our Decorative poles and brackets are designed to enhance the beauty and functionality of any space. Crafted with precision and designed to elevate both interior and exterior settings, our product offers the perfect blend of style and durability. Our collection is versatile and customizable to fit any project. Made from high quality materials like wrought iron, brass, aluminium and stainless steel, each pole and bracket is built to last, ensuring long-term reliability. With a wide range of designs - from classic to modern - our decorative poles and brackets are ideal for homes, offices, commercial spaces, and street lighting. Choose our decorative poles and brackets for an effortless way to transform your space with lasting beauty and support.

Our brackets are designed for durability & strength. Street lighting brackets hold streetlights securely, ensuring proper visibility and safety for roadways and public. Our decorative lighting brackets are crafted to complement the design of public areas, these brackets provide support to decorative fixtures to enhance the ambience of parks, plazas and architectural features.

Our decorative post-up and drop-down luminaires are perfect solutions for those seeking a blend of beauty and functionality in their lighting installations. Whether brightening up an outdoor street or creating a cozy ambience in an indoor space, these luminaires are designed to deliver top-tier performance while complementing the style of environment.

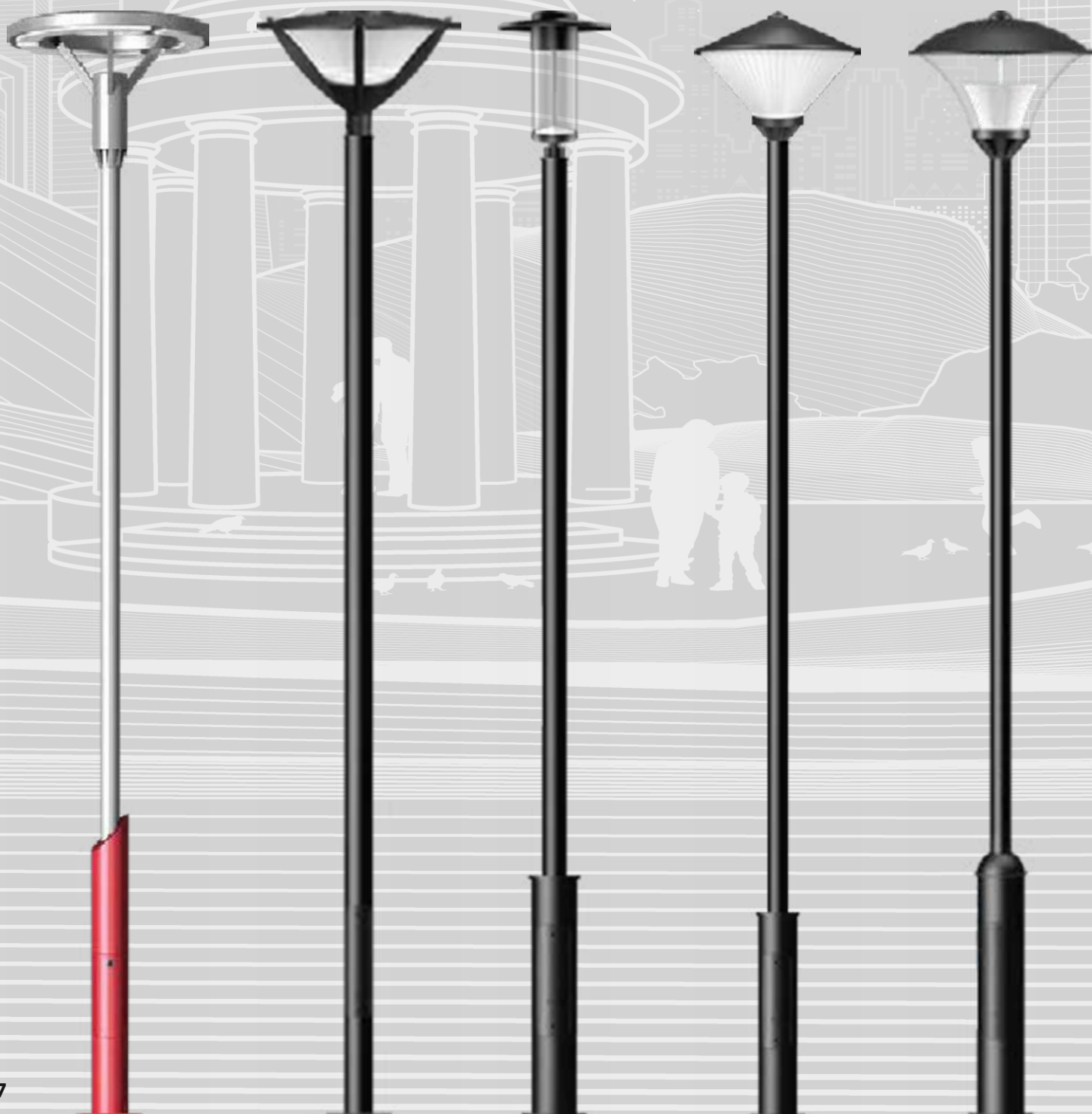
Key Features

1. **Aesthetic Appeal:** Enhance the overall look of any space with stylish poles and brackets.
2. **Durability:** Emphasize long-lasting materials that are resistant to wear and weather.
3. **Customization:** We Offer tailored solutions for specific customer needs.
4. **Quality:** We are committed to providing high-quality, well-crafted products.
5. **Customer Service:** Our team supports clients in choosing and installing the right poles and brackets for their needs.
6. **Durability and Stability:** Most brackets are made from corrosion-resistant materials like steel, aluminum, or stainless steel, ensuring they can withstand harsh weather conditions.
7. **Aesthetic Appeal:** Decorative lighting brackets often feature ornamental designs, helping to enhance the visual appeal of urban spaces, while still supporting efficient lighting.
8. **Versatility:** Adaptable to various lighting needs, whether for general illumination or decorative accent lighting.
9. **Low Maintenance:** Built with durable materials that require minimal maintenance, offering longevity and reliability.

Few of Our Offerings



Post Top Poles

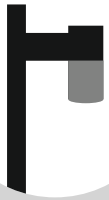




Post Top Poles



Few of Our Offerings



Architectural Poles & Light columns





Modular Poles

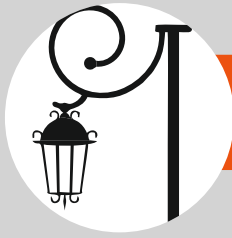


Few of Our Offerings



Urban Lighting

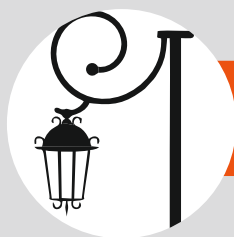




Designer Poles



Few of Our Offerings



Designer Poles





Designer Poles

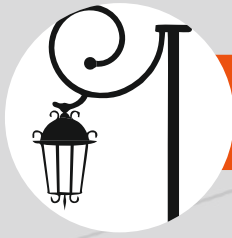


Few of Our Offerings



Designer Poles





Designer Poles



Few of Our Offerings



Designer Poles





Designer Poles



Few of Our Offerings



Street Poles





Street Poles



Actual Site Installed Images





Notes-

- All dimensions are in mm or mentioned.
- The image depicted in the catalogue may vary from the actual product.
- Tolerance in all parameters and latest relevant Standard shall be applicable.
- Separate Technical Datasheet (TDS) shall be provided for particular product against individual project.
- HALONIX TECHNOLOGIES PVT. LTD., reserves the right to make any changes in the design and data without any prior notice or information.



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