



Altra Universe

----- **General Trading** -----





About Our Company

"Anything worth having takes time."

Altra Universe General Trading is a well-established and dynamic company specializing in the export of high-quality FRP (Fiberglass Reinforced Plastic) products and iron & steel solutions.

At Altra Universe, we've built our success on a strong foundation of expertise. Our team comprises industry veterans and professionals who possess an in-depth understanding of the materials, products, and markets we serve. We're passionate about what we do and continually strive to stay at the forefront of industry trends and innovations.



FRP / GRP POLE

A Fiber-Reinforced Polymer (FRP) light pole is an outdoor lighting fixture support structure made from a composite material that combines polymer resins and reinforcing fibers, typically glass or carbon fibers. These poles are engineered to provide durability, corrosion resistance, and low maintenance, making them an ideal choice for illuminating streets, parks, and other public spaces. FRP light poles are known for their lightweight construction, electrical insulation properties, and suitability for a wide range of lighting applications.





Key Feature of FRP/GRP Pole

- 1) Light Weight
- 2) Corrosion Resistant
- 3) High Strength
- 4) UV Resistant
- 5) Non Conductive
- 6) Low Maintance
- 7) Longevity
- 8) Easily Drilled



Application Area

- 1) Solar Lightning
- 2) Park Lightning
- 3) Malls & Multiplexes lighting
- 4) Flag Pole
- 5) Street Lightning
- 6) Defence Areas
- 7) Plants & Industries Lighting



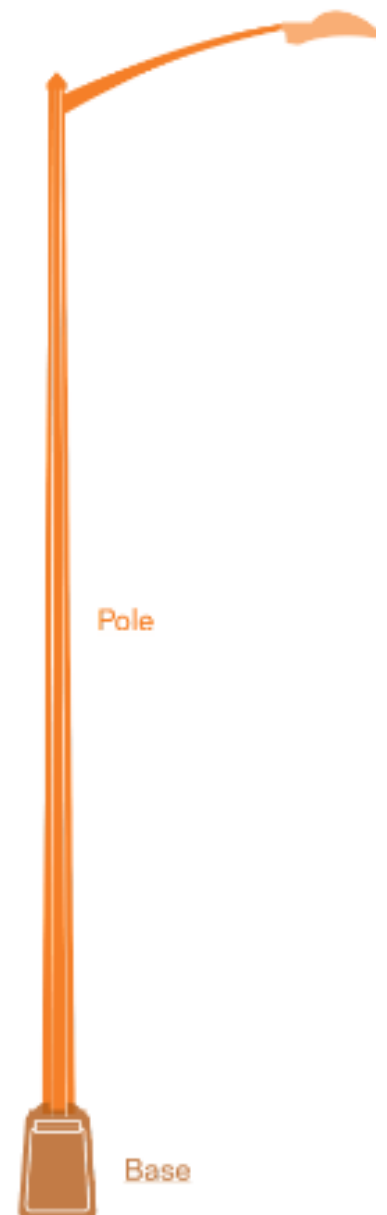
Comparison Between FRP/GRP Pole and Metal Pole

Aspect	FRP/GRP Poles	Metal Poles (Steel)
Weight	Lightweight, typically 1/3 to 1/4 the weight of metal poles	Heavier, significantly denser
Corrosion Resistance	Highly corrosion-resistant, no rust or corrosion	Prone to corrosion, may require coatings
Conductivity	Non-conductive, electrically insulating	Conductive, posing electrical hazards
Strength	High strength-to-weight ratio	Strong but heavier
Durability	Resistant to weather, UV, and environmental factors	Susceptible to rust, corrosion
Maintenance	Low maintenance, no painting or rust removal	May require regular painting or coatings
Installation	Installation Easier to transport, handle, and install	Requires heavy equipment and skilled labor
Mounting	Foundation Required/ Optional	Concrete foundation is compulsory



Technical Specification

Shape of the Pole	Round , Cylindrical , Square & Conical etc
Height Of the Pole	Between 3 Meter to 12 Meter
No. of Arm	Single , Double & Triple etc.
Length of Arm	Between 0.25 Meter to 1.5 Meter
Mounting Arrangement	With fixed MS Powder Coated Base Plate, Anchor Base, Tilttable Base or Groutable Burial.
Note :- Customized Pole is also Available as per the Design Standard data.	





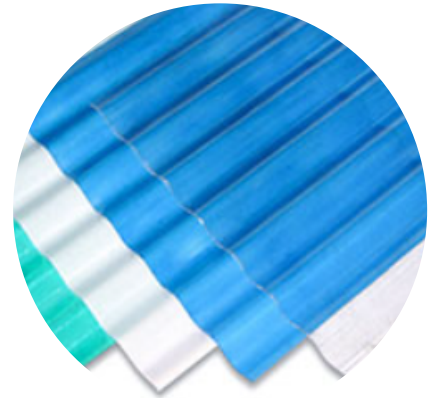
OUR PRODUCT RANGE



FRP Cable tray



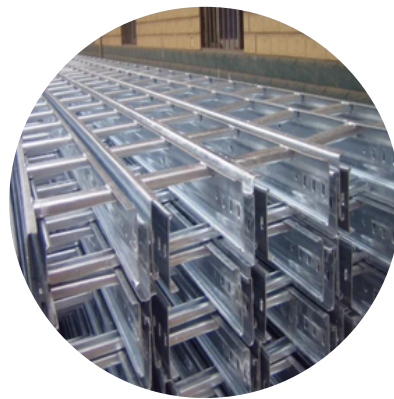
FRP Grating



FRP Roofing Sheet



Galvanized Pole



Galvanized Cable tray

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