



Sigma Search Lights Limited

P-27, Sagar Manna Road, Kolkata - 700060, Ph : (033) 24061721, 24060058, 2406 1967
Fax : (033) 24061722, 24061249, E-mail : energy@sigma-lights.co.in, Website : www.sigma-lights.co.in

Ground Mounted Lighting Mast Towers



Tough by Nature, Innovative by Design

Ground Mounted Lighting Mast Towers

Serial No.	Description	High Mast Tower With telescopic Lights cradle	Lighting Mast Tower Telescopic Tilting type	Lighting Mast Tower Tilting type only
1	Material of construction	M.S. Plates formed into a polygonal shape	M.S. Plates formed into a polygonal shape	M.S. Plates formed into a polygonal shape
2	Regional basic Wind speed	33m/sec (118km/hr) 44m/sec(158km/hr) 50m/sec(180km/hr)	33m/sec(118km/hr) 44m/sec(158km/hr) 50m/sec(180km/hr)	33m/sec(118km/hr) 44m/sec(158km/hr) 50m/sec(180km/hr)
3	Gust Factor	1.15 1.25	1.15 1.25	1.15 1.25
4	Topography configuration	1.0	1.0 1.3	1.0 1.3
5	Mean probable design life	25 years	25 years	25 years
6	Height of the Towers	From 12 metres to 45 metres	From 9 metres to 25 metres	From 7 metres to 16 metres
7	Height Variation Factor	As per IS Code 875: 1987(Part 3)	As per IS Code 875: 1987(Part 3)	As per IS Code 875: 1987(Part 3)
8	Terrain Category	As per the site requirement	As per the site requirement	As per the site requirement
9	Winches	Motor operated Manually operated	Motor operated Manually operated	Motor operated Manually operated
10	Number of Lights Cradles	One / Two	One / Two / Three	One / Two / Three
11	Number of Lights on each Cradle	As per clients requirement	Four/ Six/ Eight/ Twelve	Four/ Six/ Eight/ Twelve
12	Area of Cross Section of the Luminaries	As per design of the luminaries offered	As per design of the luminaries offered	As per design of the luminaries offered
13	Anti-rust treatment	Hot Dip Galvanising	Painting after sand blasting/Hot Dip galvanising	Painting after sand blasting/Hot Dip galvanising
14	Mast Lighting Control Panel	IP 55 Protection. Suitable number of Incoming MCB isolator, Copper wiring, suitable timer,contactor to switch on the luminaries at a pre-set time. There would be suitable control arrangement to change the direction of rotation of the power tool-motor.	IP 55 Protection. Suitable RCBO shall be provided as incomer and MCBs to protect the outgoing cables from any short-circuit With motorized winches the interlocking arrangement would be provided to ensure that the tower tilting winch cannot be operated while the tower is in telescopic mode and vice versa.	IP 55 Protection. Suitable RCBO shall be provided as incomer, and MCBs to protect the outgoing cables from any short-circuit
15	Luminaries	Sigma luminaries with highly polished stainless steel reflectors or As per customer/design requirement	Sigma luminaries with highly polished stainless steel reflectors or As per customer/design requirement	Sigma luminaries with highly polished stainless steel reflectors or As per customer/design requirement