

# TECHNICAL SPECIFICATION

1. LIGHTING POLE COMPLY TO (ILP : 2013) HIGH MAST FOR LIGHTING AND CCTV (2013 EDITION) BY INSTITUTE OF LIGHTING PROFESSIONAL (ILP)
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8i STRUCTURAL DESIGN ANALYSED SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**
3. MATERIAL USED FOR LIGHTING POLE COMPLY TO **BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / SS400** WITH MINIMUM YIELD AND TENSILE STRENGTH OF **275 MPa** AND **430 MPa** RESPECTIVELY
4. WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER **BS EN 1011-2 : 2001**
5. PRODUCTS ARE PROTECTED WITH ANTI-CORROSIVE TREATMENT WITH HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO **BS EN ISO 1461 : 2009**

## STANDARD LIGHTING POLE

by Mestron®

### HIGH MAST

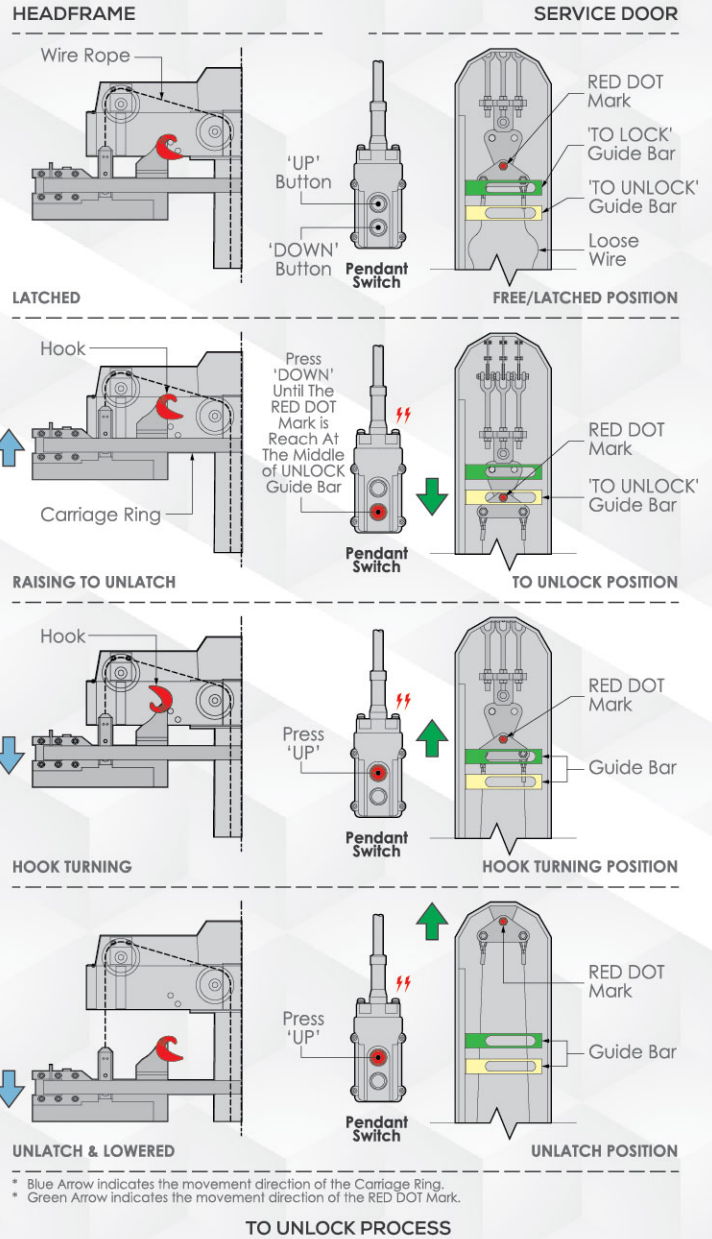
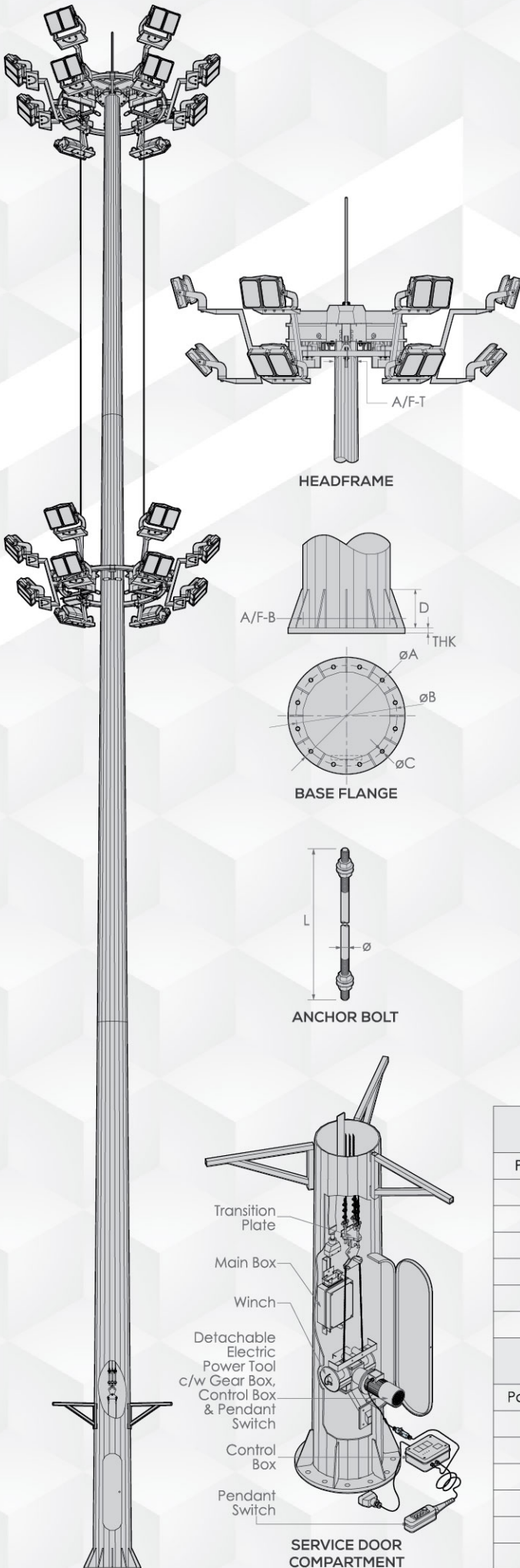
High Mast is capable of lighting up large area efficiently at great heights.

It is design in such a way that Maintenance Carriage Ring is able to lower to ground level for ease of maintenance. Our custom locking mechanism designed that utilize gravitational force instead of springs and levers ensure flawless operation over time.

At the heart of High Mast, Mestron employs "Germany Made" winch driving motors as a testament of Mestron Quality System.

#### OPTION AND ACCESSORIES

- 15M to 45M height
- Lifting capacity 500 kgs to 1000 kgs
- 12 core 2.5mm Electrical System
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment



| ACROSS FLATS, A/F |            |                   | ANCHOR BOLT |      |        |     |
|-------------------|------------|-------------------|-------------|------|--------|-----|
| Pole(M)           | A/F Top    | A/F Bottom        | Nos         | Dia. | Lenght |     |
| 20                | 315        | 605               | 8           | 33   | 1200   |     |
| 25                | 315        | 605               | 12          | 33   | 1200   |     |
| 30                | 315        | 738               | 12          | 33   | 1200   |     |
| 35                | 315        | 791               | 16          | 33   | 1200   |     |
| 40                | 315        | 864               | 16          | 39   | 1500   |     |
| 45                | 315        | 918               | 20          | 39   | 1500   |     |
| LIFTING CAPACITY  |            |                   | BASE FLANGE |      |        |     |
| Pole(M)           | Max. (kgs) | Sail Area         | øA          | øB   | øC     | Thk |
| 20                | 500        | 2.5m <sup>2</sup> | 900         | 780  | 38     | 32  |
| 25                | 500        | 2.5m <sup>2</sup> | 900         | 780  | 38     | 32  |
| 30                | 500        | 2.5m <sup>2</sup> | 1150        | 980  | 38     | 38  |
| 35                | 500        | 2.5m <sup>2</sup> | 1150        | 980  | 38     | 38  |
| 40                | 500        | 2.5m <sup>2</sup> | 1350        | 1100 | 50     | 50  |
| 45                | 500        | 2.5m <sup>2</sup> | 1450        | 1200 | 50     | 50  |

\* Design may vary according to request/requirement.