

# 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

# STANDARD

## LIGHTING POLE

by Mestron®

## TECHNICAL SPECIFICATION

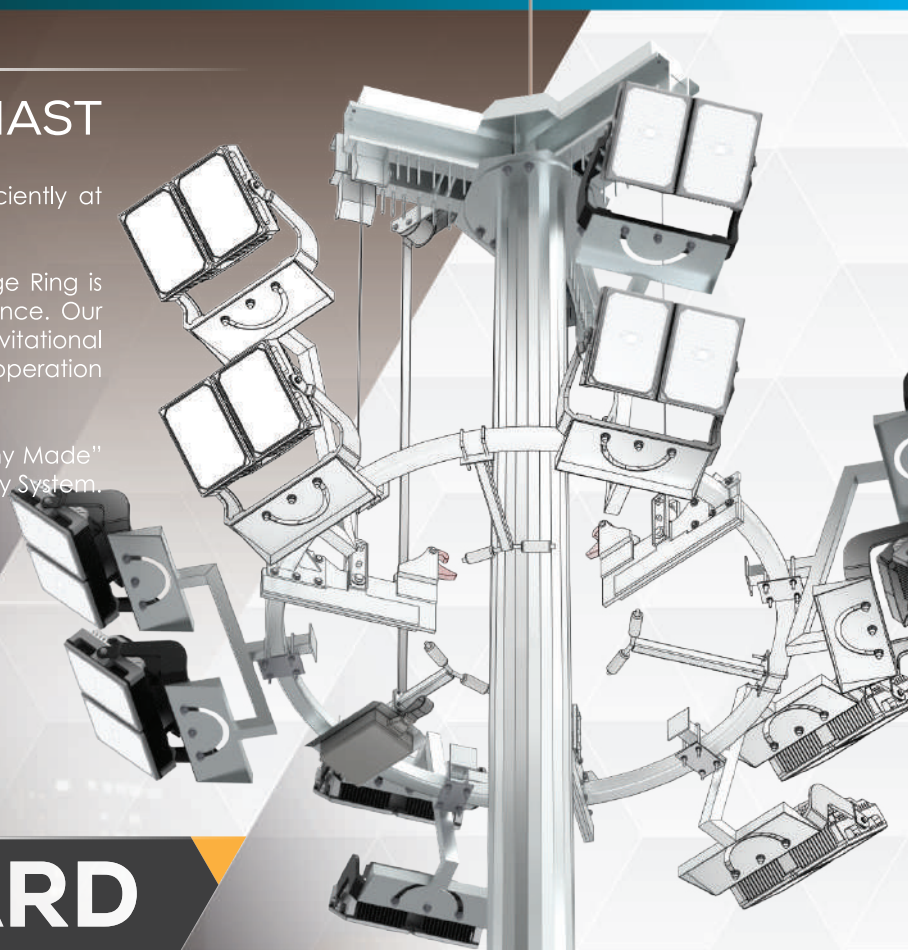
**1** LIGHTING POLE COMPLY TO **(ILP : 2013)** HIGH MAST FOR LIGHTING AND CCTV (2013 EDITION) BY INSTITUTE OF LIGHTING PROFESSIONAL (ILP)

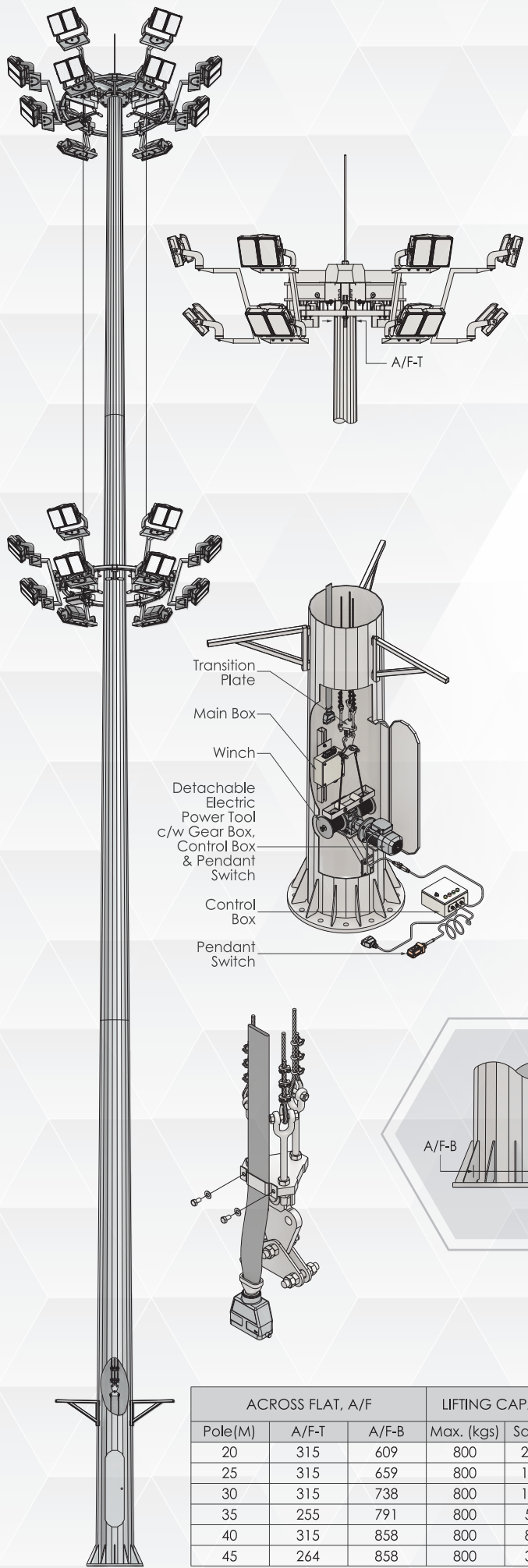
**2** DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8i STRUCTURAL DESIGN SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED, TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**

**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**

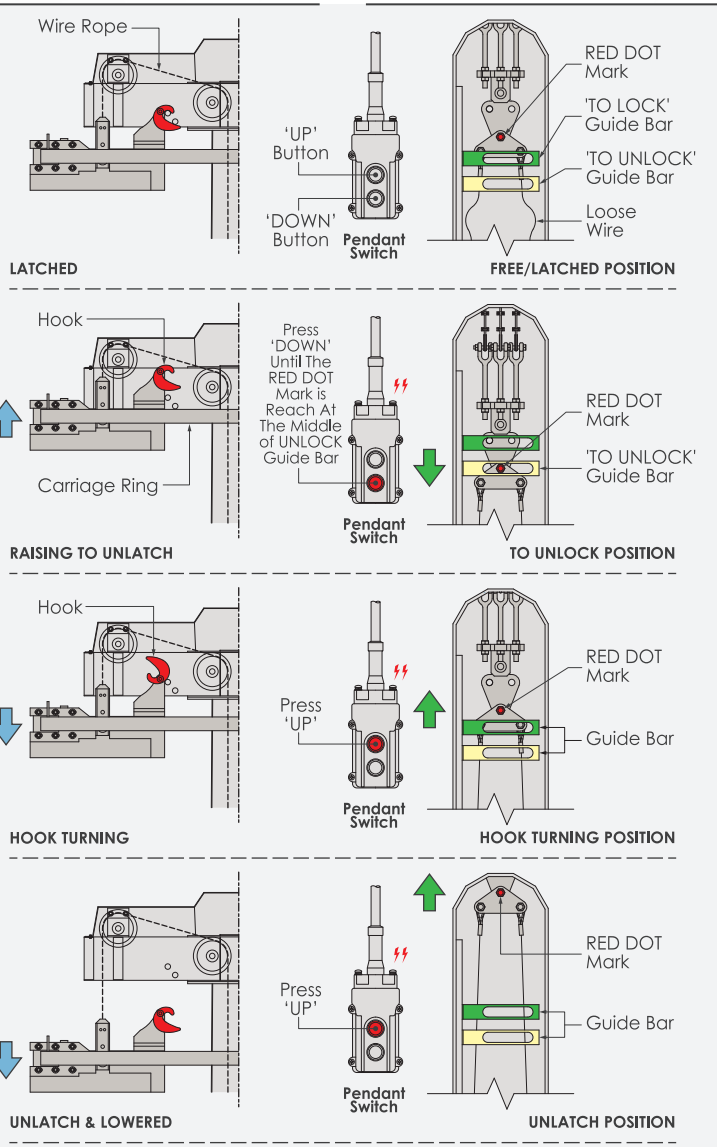
**5** PRODUCTS ARE TREATED WITH ANTI-CORROSIVE TREATMENT KNOWN AS HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO **BS EN ISO 1461 : 2009**





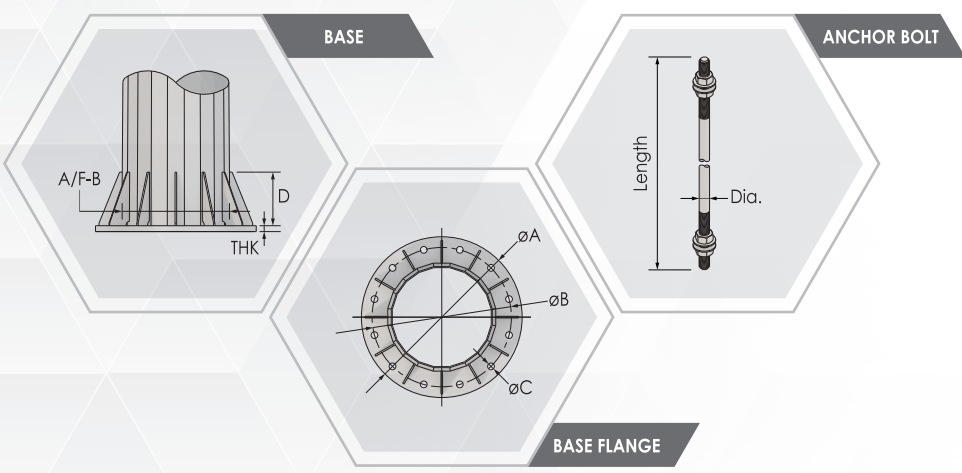
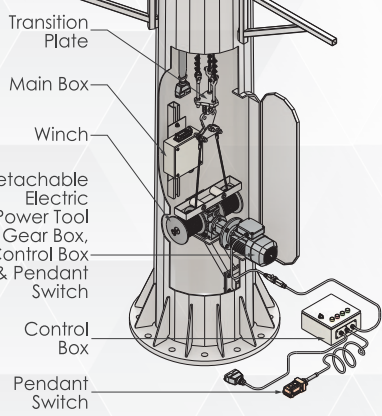
HEADFRAME

SERVICE DOOR



\* Blue Arrow indicates the movement direction of the Carriage Ring.  
 \* Green Arrow indicates the movement direction of the RED DOT Mark.

**TO UNLOCK PROCESS**



ACROSS FLAT, A/F			LIFTING CAPACITY		ANCHOR BOLT			BASE FLANGE			
Pole(M)	A/F-T	A/F-B	Max. (kgs)	Sail Area	Nos	Dia.	Length	øA	øB	øC	THK
20	315	609	800	20.6m <sup>2</sup>	12	33	1200	900	780	39	38
25	315	659	800	14.0m <sup>2</sup>	12	33	1200	900	780	39	38
30	315	738	800	10.8m <sup>2</sup>	12	33	1200	1150	950	39	38
35	255	791	800	5.4m <sup>2</sup>	12	33	1200	1150	950	39	38
40	315	858	800	8.0m <sup>2</sup>	20	39	1500	1200	1100	45	50
45	264	858	800	3.9m <sup>2</sup>	20	39	1500	1200	1100	45	50

\*All Dimension are in Millimeter (MM) unless stated.  
 \*\* Design may vary according to request/requirement.  
 \*\*\* All data presented are based on heavy-duty standard.