

# CLIMBING RUNG COLUMN

Climbing Rung Column is equipped with detachable climbing rung for ease of maintenance without the use of lifting equipments.

Similar to Standard Flood Lighting Pole, it has a wide range of application for area lighting such as carpark, playground, field, warehouse and etc. Customized lighting design with various options is available to suit floodlight of all size and quantity.

## OPTION AND ACCESSORIES

- 4M to 20M height
- Detachable / Weld-on Climbing bracket
- Customize Pole size for various application
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment
- Fiberglass Service Door
- Anti-Stick Paint
- UV Resistant Polyester Powder Coating for Aesthetic Finishing

# STANDARD LIGHTING POLE

by Mestron®

## TECHNICAL SPECIFICATION

1

LIGHTING POLE COMPLY TO **BS EN 40-5 : 2002** "LIGHTING COLUMNS, REQUIREMENT FOR STEEL LIGHTING COLUMNS"

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

POLE DESIGN VALIDATED WITH TYPE TEST "DESIGN AND VERIFICATION", TESTING IN ACCORDANCE TO **BS EN 40-3-2 : 2013**

4

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

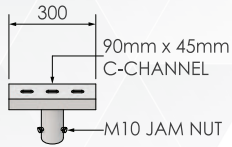
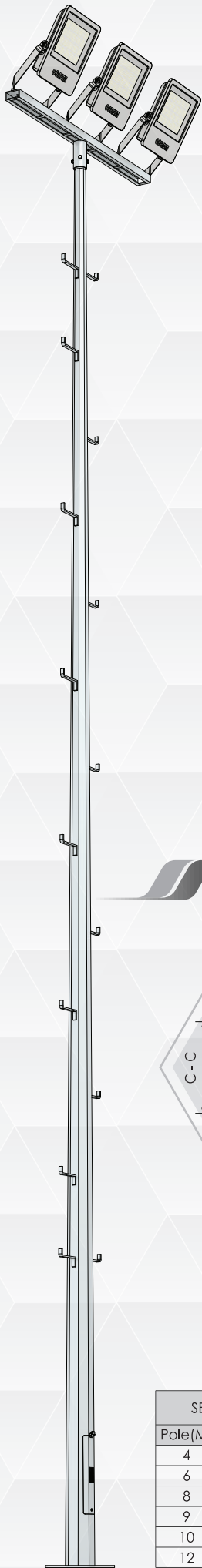
5

WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER **BS EN 1011-2 : 2001**

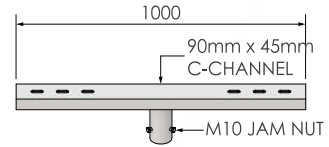
6

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**

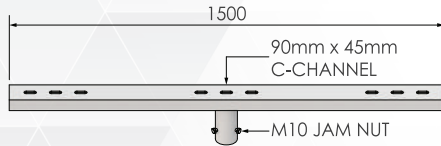




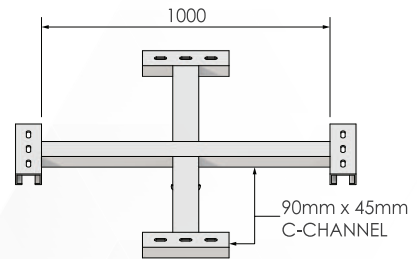
HEAD FRAME - 1



HEAD FRAME - 2

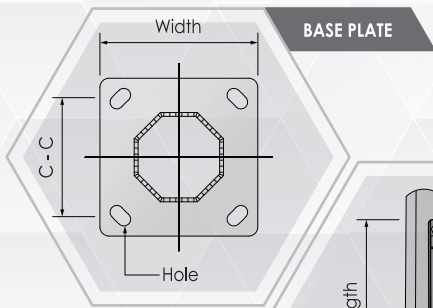


HEAD FRAME - 3

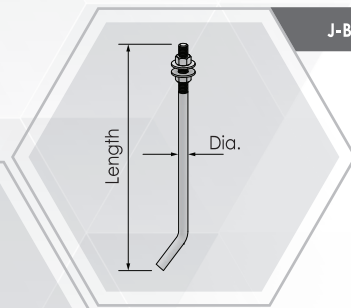


HEAD FRAME - 4C

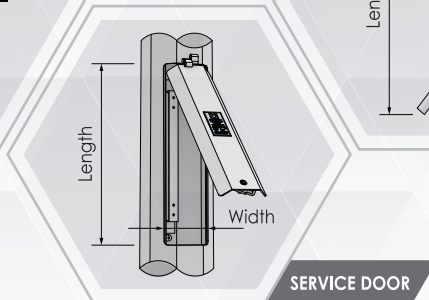
FLANGE MOUNTED TYPE



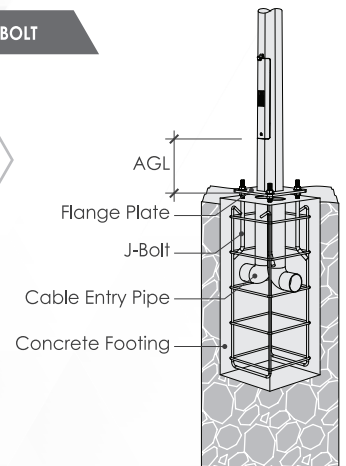
BASE PLATE



J-BOLT



SERVICE DOOR



SECTION HEIGHT			BASE FLANGE PLATE				SERVICE DOOR			J-BOLT		CONCRETE FOOTING		
Pole(M)	Bottom	Top	Width	C - C	Hole	THK	AGL	Width	Length	Dia.	Length	Width	Height	C - C
4	4000	-	250	195	37 x 20	9	305	90	350	16	280	300	600	195
6	6000	-	300	220	45 x 26	12	305	100	450	20	450	400	1000	220
8	8000	-	300	220	45 x 26	12	305	110	450	20	450	400	1300	220
9	2050	7200	300	220	45 x 26	15	610	120	450	20	450	400	1300	220
10	3050	7200	350	260	52 x 30	16	610	120	450	24	570	450	1300	260
12	5050	7200	400	300	56 x 30	18	610	120	450	24	570	500	1500	300

\*All Dimension are in Millimeter (MM) unless stated