

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**

STANDARD LIGHTING POLE

by Mestron®

MID-HINGED COLUMN

Mid-Hinged Pole also known as Collapsible or See-Saw Pole, are designed for ease of maintenance especially under restricted condition.

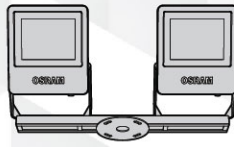
The hinge mechanism enables top half of the pole to swing down for maintenance at ground level without needing the servicing personel to climb up.

OPTION AND ACCESSORIES

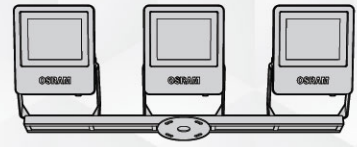
- 4M to 20M height
- Apron customized for weight balancing
- Customize Pole size for various application
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment
- Fiberglass Service Door
- Anti-Stick Paint
- UV Resistant Polyester Powder Coating for Aesthetic Finishing



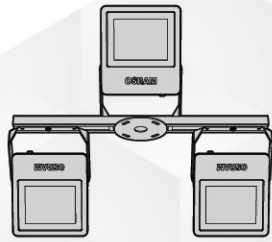
HF-1



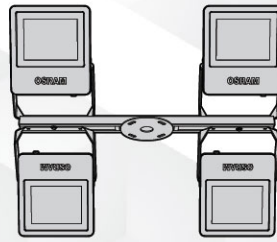
HF-2



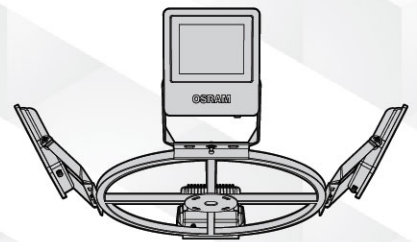
HF-3



HF-3

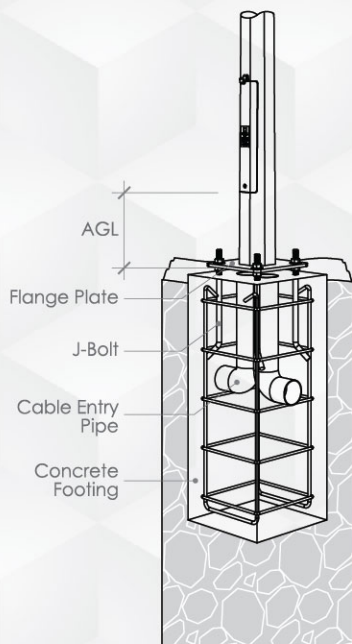


HF-4



ROUND HF-4

FLANGE MOUNTED



TOP LOADS		BASE FLANGE PLATE					
Pole(M)	KGS	Width	C - C	Hole	THK		
4	10	250	195	37 x 20	9		
6	15	300	220	45 x 26	12		
8	15	300	220	45 x 26	15		
9	20	300	220	45 x 26	15		
10	20	350	260	52 x 30	16		
12	20	400	300	56 x 30	18		
~	~	~	~	~	~		
15	60	550	400	73 x 39	25		
18	80	ø650	ø500	ø38	25		
20	80	ø750	ø600	ø38	38		
SERVICE DOOR			J-BOLT		CONCRETE FOOTING		
Pole(M)	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	120	16	280	300	800	195
6	305	120	20	450	400	1000	220
8	305	120	20	450	400	1300	220
9	610	140	20	450	400	1300	220
10	610	140	24	570	450	1300	260
12	610	140	24	570	500	1500	300
~	~	~	~	~	~	~	~
15	610	160	33	840	600	1600	400
18	610	180	33	840	800(1800)	1500(800)	ø500
20	610	200	33	840	1000(2000)	1500(800)	ø600

*All Dimension are in Millimeter (MM) unless stated