

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS

Center Hub (Excluding MD115) - The center hub is 2.88" OD x 0.203" wall with a minimum yield strength of 36,000 psi.

Center Hub (MD115) - The center hub is 4.50" OD x 0.188" wall with a minimum yield strength of 36,000 psi.

Arms - Arms are 2.38" OD x 0.154" wall with a minimum yield strength of 36,000 psi. The maximum straight luminaire slipfit length is 4.63" for all arm brackets. For other tenon applications, please consult factory.

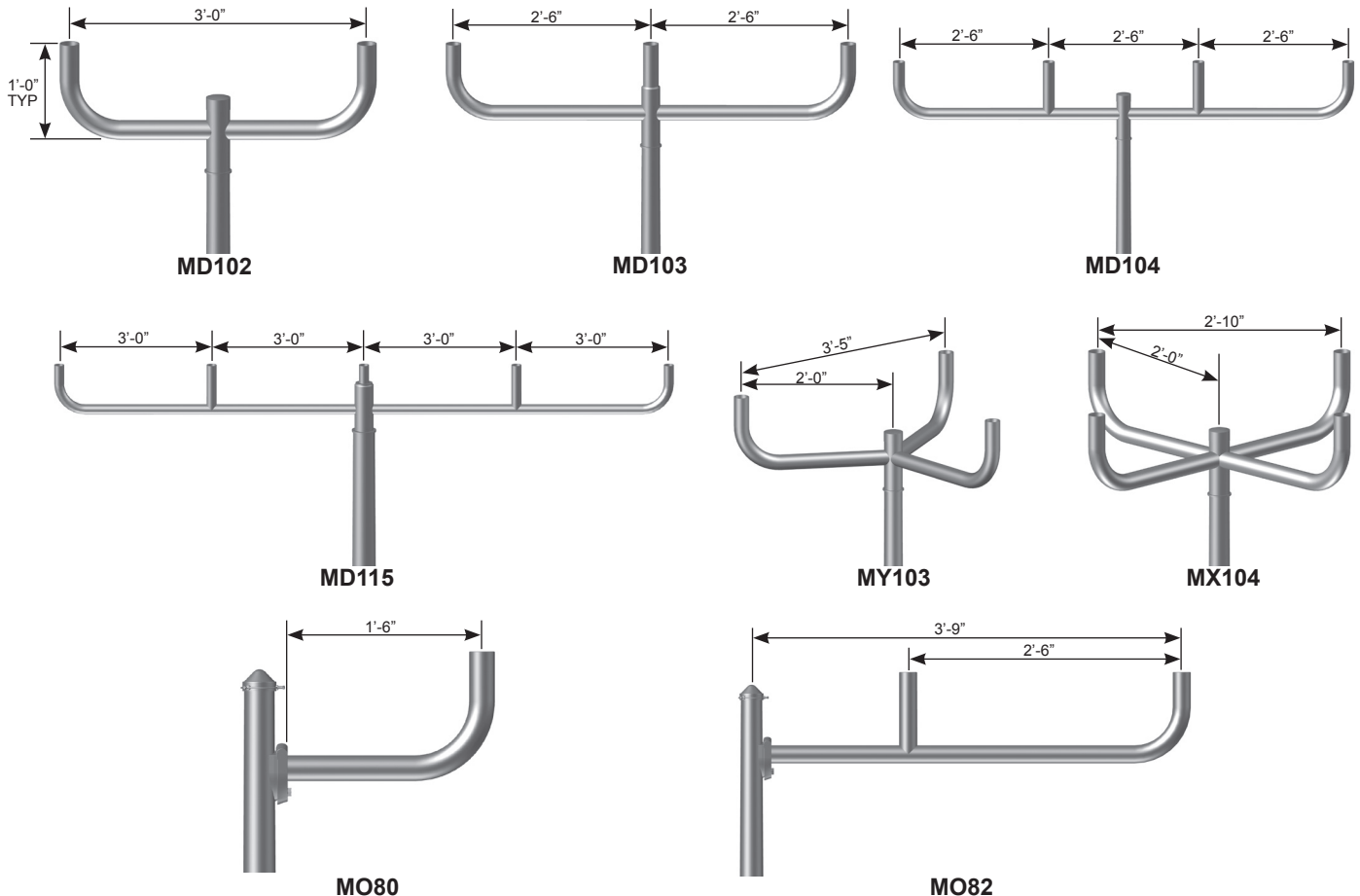
Main Arm Only for MD115 - is 2.38" OD x 0.218" wall with a minimum yield strength of 36,000 psi.

Arm Attachment (MO80 & MO82 Only) - Connection allows arm to be erected and held in place by gravity and secured by a single bolt.

Hardware - All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

Finish - Standard finishes are galvanized, prime painted or any of Valmont's V-PRO™ Protection Systems. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.



BRACKETS - BULLHORN Steel

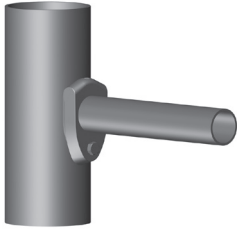


STRUCTURES

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

DETAILS

Arm Attachment



Pole Top Bracket Attachment



LOAD AND DIMENSIONAL DATA

DESIGN INFORMATION							
MAXIMUM QUANTITY OF LUMINAIRES	FIXTURE ORIENTATION	MAXIMUM LUMINAIRE SPACING	100 MPH w/1.3 GUST		BRACKET SIZE		MODEL NUMBER
			MAX LUMINAIRE EPA ¹ (SQFT)	MAX LUMINAIRE WEIGHT ¹ (LBS)	EPA (SQFT)	WEIGHT (LBS)	
1	N/A	1'-6"	5.0	100	0.5	11	MO80-016-010
2	180°	2'-6"	3.0	100	1.1	20	MO82-026-010
	180°	3'-0"	7.3	150	1.0	21	MD102-030-010
3	180°	2'-6"	4.7	150	1.6	32	MD103-026-010
	120°	3'-5"	4.7	150	1.3	34	MY103-020-010
4	180°	2'-6"	3.4	150	2.3	44	MD104-026-010
	90°	2'-10"	3.5	150	1.6	44	MX104-040-010
5	180°	3'-0"	3.0	100	3.5	86	MD115-030-010

1. Maximum EPA (Effective Projected Area) and weight values are based on luminaires having a centroid 1'-0" above the bracket top and a maximum mounting height of 70'-0". Variations from sizes above are available upon inquiry at the factory.
2. Total combined weight and EPA of brackets and luminaires cannot exceed Design Information of specified pole.

PRODUCT ORDERING CODE

MODEL NUMBER	FINISH SYSTEM	STANDARD COLOR OPTIONS
MO80-016-010 MO82-026-010 MD102-030-010 MD103-026-010 MY103-020-010 MD104-026-010 MX104-040-010 MD115-030-010	GV = Galvanized FP=Finish Painted -----OPTIONAL----- FPGV = Finish Paint over Galvanizing VP30 = V-PRO™ 30 System VP32 = V-PRO™ 32 System VP53 = V-PRO™ 53 System VP54 = V-PRO™ 54 System VP57 = V-PRO™ 57 System VP100 = V-PRO™ 100 System VP105 = V-PRO™ 105 System	GV = Galvanized BK = Black DB = Dark Bronze MB = Medium Bronze WH = White LG = Light Gray CB = Bronze DG = Dark Green ST = Sandstone HG = Hunter Green SG = Slate Gray SL = Silver SC = Special Color (Specify)

SPC7359 02/16 valmontstructures.com carries the most current spec information and supersedes these guidelines.