



### HUB MOUNT SPECIFICATIONS

- The mast arm is conically tapered from 3-1/2" O.D. x .125" wall 6063 alloy extruded aluminum tube to 2-3/8" O.D. (2" pipe size) at the luminaire end. The tapered tube is elliptical with the long axis oriented vertically. The arm is joined to the attachment system by a continuous circumferential weld. Each Arm is heat treated after welding to produce a T6 temper. All arms are etched to create a satin finish. A 1-5/8" O.D. (1-1/4" pipe size) cast aluminum tenon may be installed in the luminaire end of the arm. Architectural finishes available are: paint, duranodic or natural anodized. All arms have a 32" rise. For additional information, contact your Valmont Representative.
- Hub mounted mast arms are held in place with (3) stainless steel 1/2"-13 set screws. The arm can be oriented in any direction at the time of installation. A 1" I.D. rubber grommet is included in the hub. Hub mounted arms fit 3", 4", 4-1/2", and 6" O.D. pole tops.
- The following charts show the maximum allowable fixture EPA for the five wind zones acknowledged by AASHTO. The allowable EPA is based on a fixture weighing 75 pounds unless noted on the chart.
- Alternative arm lengths, rises, and mounting systems are available.

### CATALOG LOGIC

Number of Arms	Type of Arms	Length of Arms	Rise of Arms	Mounting Style	Finishes	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Number of Arms	Type of Arms	Length of Arms	Rise of Arms	Mounting Style	Finishes	Options
1 - Single 2 - Double [2@180°]	MA - Tapered Elliptical Mast Arm	IN FEET 04 - 4 Feet 06 - 6 Feet 08 - 8 Feet	IN INCHES 32 - 32 Inches	H - Hubb Mount	<b>POLYESTER POWDER</b> <b>DBL</b> - Black <b>DBR</b> - Bright Red <b>DCG</b> - Charcoal Gray <b>DDB</b> - Dark Bronze <b>DMB</b> - Med Bronze <b>DNA</b> - Natural Alum <b>DSB</b> - Steel Blue <b>DSS</b> - Sandstone <b>DTG</b> - Dark Green <b>DWH</b> - White <b>SC</b> - Special Color (Please Specify)	See Accessory Section (Please Specify with Code #)
					<b>ANODIZED</b> <b>204</b> - Clear Natural <b>311</b> - Light Bronze* <b>312</b> - Med Bronze* <b>313</b> - Dark Bronze* <b>335</b> - Black*      * Duranodic Anodize	
					<b>BRUSHED</b> <b>SBF</b> - Satin Brushed Finish	

Customer Approval:

signature

date

Job Name: _____	Quote: _____
Client Name: _____	
Created By: _____	Date: _____

# 4', 6' AND 8' TAPERED HUB MOUNT ELLIPTICAL MAST ARMS

HUB MOUNT 4' SINGLE TAPERED MAST ARM SPAN 45", RISE 32", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED AREA PER ARM IN FT. <sup>2</sup>					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
20'	6.0	4.1	2.5	1.5	0.7	170830505T4
20'	6.0	5.7	3.7	2.5	1.6	170830506T4
20'	6.0	6.0	5.3	4.0	2.9	170840605T4
20'	6.0	6.0	5.3	4.2	3.5	170840606T4
25'	6.0	4.2	2.5	1.5	0.7	220840605T4
25'	6.0	6.0	3.9	2.6	1.7	220840606T4
25'	6.0	6.0	5.3	3.9	2.8	220840705T4
30'	6.0	4.4	2.7	1.5	0.8	+270840705T4
30'	6.0	6.0	5.3	4.0	2.7	270845805T4
30'	6.0	6.0	5.3	4.2	3.5	270845806T4
35'	6.0	4.7	2.9	1.7	0.9	+320845805T4
35'	6.0	6.0	4.8	3.3	2.1	320845806T4
35'	6.0	6.0	5.3	4.2	3.5	320845808T4
39'	6.0	4.6	2.8	1.6	0.7	+360845806T4
39'	6.0	6.0	5.3	4.1	2.7	360845808T4

HUB MOUNT 4' DOUBLE TAPERED MAST ARM SPAN 45", RISE 32", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED AREA PER ARM IN FT. <sup>2</sup>					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
20'	4.2	2.5	1.3	—	—	170830506T4
20'	5.9	3.8	2.5	1.5	0.8	170840605T4
20'	7.1	5.3	3.5	2.4	1.5	170840606T4
25'	3.1	1.4	—	—	—	220840605T4
25'	4.5	2.6	1.3	0.6	—	220840606T4
25'	6.0	3.8	2.4	1.3	0.7	220840705T4
25'	7.1	6.4	4.5	3.1	2.1	220845805T4
30'	3.3	1.5	—	—	—	+270840705T4
30'	6.0	3.8	2.4	1.3	0.6	270845805T4
30'	7.1	5.4	3.6	2.5	1.5	270845806T4
30'	7.1	7.1	6.2	4.9	4.1	270860106T4
35'	3.4	1.6	0.7	—	—	+320845805T4
35'	5.3	3.1	1.8	0.8	—	320845806T4
35'	7.1	5.8	3.9	2.6	1.6	320845808T4
35'	7.1	7.1	6.1	4.2	2.9	320860106T4
39'	3.4	1.6	0.6	—	—	+360845806T4
39'	6.5	4.0	2.5	1.4	0.6	360845808T4

HUB MOUNT 6' SINGLE TAPERED MAST ARM SPAN 68", RISE 32", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED AREA PER ARM IN FT. <sup>2</sup>					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
20'	5.9	3.5	2.0	1.0	—	170830505T4*
20'	6.0	4.7	3.2	2.0	1.0	170830506T4
20'	6.0	4.7	3.6	2.8	2.3	170840605T4
25'	6.0	3.6	2.0	1.0	—	220840605T4
25'	6.0	4.7	3.4	2.1	1.3	220840606T4
25'	6.0	4.7	3.6	2.8	2.3	220840705T4
30'	6.0	3.9	2.2	1.1	—	+270840705T4
30'	6.0	4.7	3.6	2.8	2.3	270845805T4
35'	6.0	4.2	2.4	1.3	—	+320845805T4
35'	6.0	4.7	3.6	2.8	1.6	320845806T4
35'	6.0	4.7	3.6	2.8	2.3	320845808T4
39'	6.0	4.1	2.4	1.1	—	+360845806T4
39'	6.0	4.7	3.6	2.8	2.3	360845808T4

HUB MOUNT 6' DOUBLE TAPERED MAST ARM SPAN 68", RISE 32", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED AREA PER ARM IN FT. <sup>2</sup>					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
20'	5.3	3.3	1.9	0.9	—	170840605T4
20'	7.1	4.7	3.1	1.9	1.2	170840606T4
20'	7.1	5.5	4.1	2.8	1.9	170840705T4
25'	5.4	3.2	1.8	0.8	—	220840705T4
25'	7.1	5.5	3.9	2.6	1.5	220845805T4
25'	7.1	5.5	4.2	3.3	2.7	220845806T4
30'	2.7	1.2	—	—	—	+270840705T4
30'	5.4	3.2	1.8	0.8	—	270845805T4
30'	7.1	4.9	3.2	1.9	1.1	270845806T4
30'	7.1	5.5	4.2	3.3	2.6	270845808T4
35'	4.7	2.6	1.3	—	—	320845806T4
35'	7.1	5.3	3.4	2.1	1.1	320845808T4
35'	7.1	5.5	4.2	3.3	2.4	320860106T4
39'	2.8	1.2	—	—	—	+360845806T4
39'	5.9	3.4	1.9	0.8	—	360845808T4
39'	7.1	5.5	3.9	2.4	1.2	360860106T4
39'	7.1	5.5	4.2	3.3	2.7	360860108T4

HUB MOUNT 8' SINGLE TAPERED MAST ARM SPAN 90", RISE 32", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED AREA PER ARM IN FT. <sup>2</sup>					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
20'	4.5	3.2	2.4	1.7	1.3	170840605T4
25'	4.5	2.9	1.3	—	—	220840605T4*
25'	4.5	3.2	2.4	1.2	—	220840606T4
25'	4.5	3.2	2.4	1.7	1.3	220840705T4
30'	4.5	3.2	1.5	—	—	+270840705T4*
30'	4.5	3.2	2.4	1.7	1.3	270845805T4
35'	4.5	3.2	1.5	—	—	+320845805T4
35'	4.5	3.2	2.4	1.7	0.8	320845806T4
35'	4.5	3.2	2.4	1.7	1.3	320845808T4
39'	4.5	3.2	1.5	—	—	+360845806T4
39'	4.5	3.2	2.4	1.7	1.3	360845808T4

HUB MOUNT 8' DOUBLE TAPERED MAST ARM SPAN 90", RISE 32", FIXTURE SLIPFITTER 2-3/8" O.D.						
LUMINAIRE MOUNTING HEIGHT	MAXIMUM ALLOWABLE EFFECTIVE PROJECTED AREA PER ARM IN FT. <sup>2</sup>					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
20'	4.2	2.2	0.8	—	—	170840605T4
20'	5.3	3.8	2.0	0.8	—	170840606T4
25'	2.9	1.1	—	—	—	220840606T4
25'	4.4	2.1	0.7	—	—	220840705T4
25'	5.3	3.8	2.8	1.5	0.6	220845805T4
30'	4.4	2.1	0.8	—	—	270845805T4
30'	5.3	3.8	2.1	0.9	—	270845806T4
30'	5.3	3.8	2.8	2.0	1.5	270845808T4
35'	3.6	1.5	—	—	—	320845806T4
35'	5.3	3.8	2.4	1.1	—	320845808T4
35'	5.3	3.8	2.8	2.0	1.3	320860106T4
39'	4.8	2.4	0.9	—	—	360845808T4
39'	5.3	3.8	2.8	1.3	—	360860106T4
39'	5.3	3.8	2.8	2.0	1.5	360860108T4

\*60 lbs. maximum allowable fixture weight.  
+ These pole/arm combinations include factory installed vibration dampeners inside pole.  
Designs for greater E.P.A. loading and/or dimensional requirements available. Contact your Valmont Representative or Valmont Industries, Inc. for assistance.

SFC7098 08/07 www.valmontstructures.com carries the most current spec information and supersedes these guidelines.