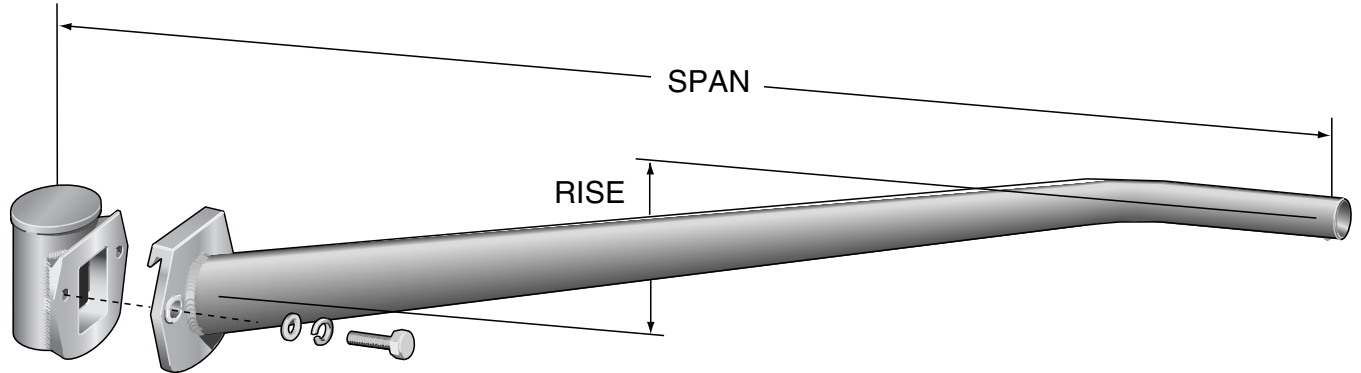




CENTER
 LINE OF
 POLE



SIMPLEX 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.
- Simplex mounted mast arms are held in place by (2) interlocking aluminum castings. One is welded to the lighting standard and the second one is welded to the mast arm. The connection is secured with (2) series 300 stainless steel 1/2"-13 UNC bolts, washers, and lock washers. Simplex arms fit 4", 4-1/2", and 6" O.D. pole tops. A 1" I.D. rubber grommet is installed in the wireway. Unless otherwise directed, the first mast arm will be 90° to the right of the handhole, the second mast arm will be located 180° from the first.
- 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	S - Simplex Mount	POLYESTER POWDER DBL - Black DBR - Bright Red DCG - Charcoal Gray DOB - Dark Bronze DMB - Med Bronze DNA - Natural Alum DSB - Steel Blue DSS - Sandstone DTG - Dark Green DWH - White SC - Special Color (Please Specify)	See Accessory Section (Please Specify with Code #)
					ANODIZED 204 - Clear Natural 311 - Light Bronze* 312 - Med Bronze* 313 - Dark Bronze* 335 - Black* * Duranodic Anodize	
					BRUSHED SBF - Satin Brushed Finish	

Customer Approval:

signature

date

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

4', 6' AND 8' TAPERED SIMPLEX MOUNT ELLIPTICAL MAST ARMS

SIMPLEX 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. ²					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
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

SIMPLEX 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. ²					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
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

SIMPLEX 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. ²					USED WITH LIGHTING POLE MODEL NUMBER
	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH	
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

SIMPLEX 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. ²					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

SIMPLEX 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. ²					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

SIMPLEX 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. ²					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.

SPC7100 08/07 www.valmontstructures.com carries the most current spec information and supersedes these guidelines.