

Index 649-030 Mast Arm Assemblies

ORIGINATION

Date: April 2, 2020

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COMMENTARY

Sheet 1: Corrected Column BC of Poles, Base Plate and Arms Table.

COMMENTS AND RESPONSES

BLACK = Industry Review Comments **RED** = Standard Plans Response

Name: Terry Worthington / Dot Lighting, Inc

Date: 9-15-20

COMMENT: See markup below

The image shows a technical drawing with two main tables. The left table is titled 'ARM AND BASE PLATE' and the right table is titled 'POLE, BASE PLATE AND ARM CONNECTION'. Both tables have columns for 'Pole Size', 'Arm Length', 'Base Plate', and 'Arm Connection'. Red circles and arrows highlight specific cells in the 'POLE, BASE PLATE AND ARM CONNECTION' table, with callouts asking for dimension changes. A 'DRILLED SHAWT' table is also present below the main tables.

NOTE:
1. Check that values match column BC of Pole, Base Plate and Arms Table.

Callout 1: P6 - Will the "BA" dim be changing to 40" and the bolt circle to 32"?

Callout 2: P7 - Will the "BA" dim be changing to 42" and the bolt circle to 34"?

Callout 3: Will the "BF" dim. be changing to 40"?

Callout 4: Changed Value to 32"

DRILLED SHAWT

Drill Size	20	25	30	35	40	45	50
DRILLING	10	12	14	16	18	20	22
DRILLING	12	14	16	18	20	22	24
DRILLING	14	16	18	20	22	24	26
DRILLING	16	18	20	22	24	26	28
DRILLING	18	20	22	24	26	28	30
DRILLING	20	22	24	26	28	30	32
DRILLING	22	24	26	28	30	32	34
DRILLING	24	26	28	30	32	34	36
DRILLING	26	28	30	32	34	36	38
DRILLING	28	30	32	34	36	38	40
DRILLING	30	32	34	36	38	40	42
DRILLING	32	34	36	38	40	42	44
DRILLING	34	36	38	40	42	44	46
DRILLING	36	38	40	42	44	46	48
DRILLING	38	40	42	44	46	48	50
DRILLING	40	42	44	46	48	50	52
DRILLING	42	44	46	48	50	52	54
DRILLING	44	46	48	50	52	54	56
DRILLING	46	48	50	52	54	56	58
DRILLING	48	50	52	54	56	58	60
DRILLING	50	52	54	56	58	60	62
DRILLING	52	54	56	58	60	62	64
DRILLING	54	56	58	60	62	64	66
DRILLING	56	58	60	62	64	66	68
DRILLING	58	60	62	64	66	68	70
DRILLING	60	62	64	66	68	70	72
DRILLING	62	64	66	68	70	72	74
DRILLING	64	66	68	70	72	74	76
DRILLING	66	68	70	72	74	76	78
DRILLING	68	70	72	74	76	78	80
DRILLING	70	72	74	76	78	80	82
DRILLING	72	74	76	78	80	82	84
DRILLING	74	76	78	80	82	84	86
DRILLING	76	78	80	82	84	86	88
DRILLING	78	80	82	84	86	88	90
DRILLING	80	82	84	86	88	90	92
DRILLING	82	84	86	88	90	92	94
DRILLING	84	86	88	90	92	94	96
DRILLING	86	88	90	92	94	96	98
DRILLING	88	90	92	94	96	98	100

LEGEND AND CONNECTION

Size	20	25	30	35	40	45	50
DRILLING	10	12	14	16	18	20	22
DRILLING	12	14	16	18	20	22	24
DRILLING	14	16	18	20	22	24	26
DRILLING	16	18	20	22	24	26	28
DRILLING	18	20	22	24	26	28	30
DRILLING	20	22	24	26	28	30	32
DRILLING	22	24	26	28	30	32	34
DRILLING	24	26	28	30	32	34	36
DRILLING	26	28	30	32	34	36	38
DRILLING	28	30	32	34	36	38	40
DRILLING	30	32	34	36	38	40	42
DRILLING	32	34	36	38	40	42	44
DRILLING	34	36	38	40	42	44	46
DRILLING	36	38	40	42	44	46	48
DRILLING	38	40	42	44	46	48	50
DRILLING	40	42	44	46	48	50	52
DRILLING	42	44	46	48	50	52	54
DRILLING	44	46	48	50	52	54	56
DRILLING	46	48	50	52	54	56	58
DRILLING	48	50	52	54	56	58	60
DRILLING	50	52	54	56	58	60	62
DRILLING	52	54	56	58	60	62	64
DRILLING	54	56	58	60	62	64	66
DRILLING	56	58	60	62	64	66	68
DRILLING	58	60	62	64	66	68	70
DRILLING	60	62	64	66	68	70	72
DRILLING	62	64	66	68	70	72	74
DRILLING	64	66	68	70	72	74	76
DRILLING	66	68	70	72	74	76	78
DRILLING	68	70	72	74	76	78	80
DRILLING	70	72	74	76	78	80	82
DRILLING	72	74	76	78	80	82	84
DRILLING	74	76	78	80	82	84	86
DRILLING	76	78	80	82	84	86	88
DRILLING	78	80	82	84	86	88	90
DRILLING	80	82	84	86	88	90	92
DRILLING	82	84	86	88	90	92	94
DRILLING	84	86	88	90	92	94	96
DRILLING	86	88	90	92	94	96	98
DRILLING	88	90	92	94	96	98	100

RESPONSE: Agree.

Changes made to Index: The BA and BF dimensions will be updated in the "Pole, Base Plate and Arm Connection" table.

Date: 9-21-20

ARM AND BASE PLATE											
Arm ID Axx-ArmLength S-SingleArm D-DoubleArm H-HeavyDuty	Total Arm Length (ft)	Arm			Arm Extension			Base Plate			
		FA/SA (ft)	FC/SC (in)	FD/SD (in)	FE/SE (ft)	FG/SG (in)	FH/SH (in)	HT (in)	FJ/SJ (in)	FK/SK (in)	
A30/S	30	30	11	0.250				22	25	3	
A30/S/H		30	12	0.250							
A30/D		30	11	0.250				30	36		
A30/D/H		30	12	0.250							
A40/S	40	40	13	0.250				22	27	3	
A40/S/H		40	14	0.250							
A40/D		40	13	0.250				30	36		
A40/D/H		40	14	0.250							
A50/S	50	32.5	12	0.250	20.5	14	0.313	22	29	3	
A50/S/H		32.5	13	0.250	20.5	15					
A50/D		32.5	12	0.250	20.5	14			30		36
A50/D/H		32.5	13	0.250	20.5	15					
A60/S	60	35.5	12	0.250	27.5	15	0.375	30	36	3	
A60/S/H		35.5	13	0.250	27.5	16					
A60/D		35.5	12	0.250	27.5	15					
A60/D/H		35.5	13	0.250	27.5	16					
A70/S	70	38	13	0.250	35	17	0.375	30	36	3	
A70/S/H		38	14	0.250	35	18					
A70/D		38	13	0.250	35	17					
A70/D/H		38	14	0.250	35	18					
A78/S	78	39	13	0.250	42	18	0.375	30	36	3	
A78/S/H		39	15	0.250	42	20					
A78/D		39	13	0.250	42	18					
A78/D/H		39	15	0.250	42	20					

POLE, BASE PLATE AND ARM CONNECTION																																	
Pole ID Px-PoleNo S-SingleArm D-DoubleArm L-Luminaire	Upright				Base Plate				Arm-Upright Connection																								
	UA (ft)	UD (in)	UE (in)	UG (ft)	No. Bolts	BA (in)	BB (in)	BC (in)	BF (in)	HT (in)	FJ/SJ (in)	FL/SL (in)	FN/SN (in)	FO/SO (in)	FP/SP (in)	FR/SR (in)	FS/SS (in)	FT/ST (in)															
P1/S	25	16	0.375	37.5	6	32	2.5	2	40	22	25	0.75	0.438	14	1.25	2	8.5	0.438															
P1/S/L	39																																
P1/D	25																																
P1/D/L	39																																
P2/S	25	18	0.375	37.5	6	34	2.5	2	40	22	27	0.75	0.438	15	1.25	2	8.5	0.438															
P2/S/L	39																																
P2/D	25																																
P2/D/L	39																																
P3/S	25	20	0.375	37.5	6	36	2.5	2	40	22	29	0.75	0.438	16	1.25	2	8.5	0.438															
P3/S/L	39																																
P3/D	25																																
P3/D/L	39																																
P4/S	25	22	0.375	37.5	8	38	2.5	2	40	30	36	0.75	0.438	17	1.25	2.5	12.5	0.438															
P4/S/L	39																																
P4/D	25																																
P4/D/L	39																																
P5/S	25	24	0.375	37.5	8	40	2.5	2	40	30	36	0.75	0.5	18	1.25	2.5	12.5	0.5															
P5/S/L	39																																
P5/D	25																																
P5/D/L	39																																
P6/S	25	24	0.5	37.5	8	40	2.5	2	40	30	36	0.75	0.625	18	1.5	2.5	12	0.625															
P6/S/L	39																																
P6/D	25																																
P6/D/L	39																																
P7/S	25	26	0.5	37.5	8	42	2.5	2	40	30	36	0.75	0.625	19	1.5	2.5	12	0.625															
P7/S/L	39																																
P7/D	25																																
P7/D/L	39																																

NOTE:

1. Work this Index with Index 649-031.

DRILLED SHAFT								
Drilled Shaft ID	DA (ft)	DB (ft)	RA	RB	RC	RD (in)	RE	RF (in)
DS/12/4.0	12	4.0	11	14	8	12		
DS/12/4.5	12	4.5	11	16	8	12		
DS/14/4.5	14	4.5	11	16	10	8		
DS/14/5.0	14	5.0	11	18	10	8		
DS/16/4.5	16	4.5	11	16	10	8		
DS/16/5.0	16	5.0	11	18	10	8		
DS/18/5.0	18	5.0	11	18	10	8		
DS/20/5.0	20	5.0	11	18	10	6	10	9
DS/25/5.0	25	5.0	11	18	10	6	10	9

LUMINAIRE AND CONNECTION											
LA (ft)	LB (ft)	LC (in)	LD (in)	LE	LF (ft)	LG (in)	LH (in)	LJ (in)	LK (in)	LL (deg)	UG (ft)
40	10	3	0.125	0.5	8	0.5	0.75	0.25	0.25	0	37.5

9/18/2020 6:32:26 AM