

Complete fixture consists of Reflector Trim & Frame-In Kit. Select each separately.

Reflector Trim		Frame-In Kit		Lamp
478GKX	24k Gold Plated	Remodeler	400MRX	75W MR16
478STX	Stainless Steel Plated	Remodeler	3401MREX	50W MR16
478WHX	White Paint	Non-IC	402MRX	75W MR16
478BKX	Black Paint	Non-IC	402MREX	75W MR16
		IC	402MRIC9X	50W MR16

Features

- 1. Flange:** Die-cast aluminum .070" (2mm) thick.
- 2. Elbow Housing:** Die-Cast aluminum; provides 358° horizontal rotation and 0° to 85° vertical adjustment. Retracts to provide fully recessed downlight.
- 3. Mounting Clips (2):** 24ga. spring steel, zinc plated. Provide easy snap-in/snap-out action.
- 4. Lamp Guard:** 1 3/4 (45mm) dia. borosilicate glass.

Frame-In Kit

Note: For complete Frame-In Kit specifications, see 300 frame specification sheets.

Accessories

- 0088SY Symmetric Prismatic Spread Lens
- 0088AS Symmetric Beam Elongator

Labels

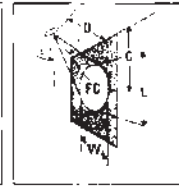
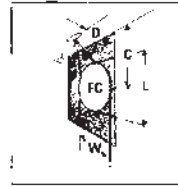
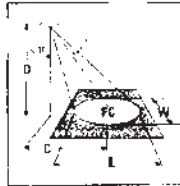
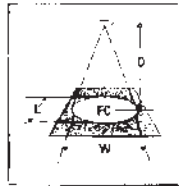
CSA, UL Suitable for damp locations.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

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(FC) is axial focal distance at center of beam.
Beam length (L) and beam width (W) are to
where the candlepower is reduced to 50% of
center beam candlepower.
CBCP = center beam candlepower.
(C) is distance to the center of the beam

Lamp data shown is typical, and is based on base
lamp photometrics. Contact lamp manufacturers for
availability and performance



Lamp	Beam Spread (50% CBCP)	CBCP	Focal (Dist-in)	0° AIMING ANGLE				30° AIMING ANGLE				30° AIMING ANGLE				45° AIMING ANGLE							
				D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	
MR-16 LOW VOLTAGE HALOGEN BI-PIN LAMPS																							
20W MR-16 NSP (E20)	12°	8000	3000	7.167	0.9	6.6	1.2	6.527	1.58	1.3	0.8	2.55	254	1.0	0.5	4.48	161	1.0	0.7	5.60	81	1.5	1.0
20W MR-16 NSP (E20)	12°	3400	3000	6.103	1.4	1.4	1.2	5.939	0.91	1.2	1.3	2.25	113	1.2	0.9	2.20	144	1.4	1.0	2.50	57	2.2	1.0
30W MR-16 FL (E20)	40°	525	4000	3.58	2.2	2.2	1.2	3.77	3.8	3.0	2.5	3.35	16	1.7	1.8	3.30	77	5.7	3.1	4.40	45	3.1	4.1
30W MR-16 NSP (E20)	12°	525	4000	4.53	2.3	2.2	1.2	4.29	2.4	4.1	3.4	4.52	7	4.5	4.0	4.40	45	3.1	4.1	5.50	7	8.4	5.1
30W MR-16 FL (E20)	40°	525	4000	2.178	1.5	1.5	1.2	3.35	1.57	1.7	1.5	2.35	232	1.7	0.8	4.40	132	1.7	1.2	6.00	85	2.4	1.8
30W MR-16 NSP (E20)	12°	525	4000	1.51	2.7	2.7	1.2	1.59	3.9	3.4	2.9	6.69	63	3.5	1.7	8.00	48	3.4	2.4	10.00	31	3.1	3.0
30W MR-16 FL (E20)	40°	525	4000	0.1068	2.1	2.1	1.2	0.44	1.2	3.0	2.9	0.52	122	3	1.4	3.30	153	2.7	1.5	5.50	55	3.6	2.5
30W MR-16 SP (E20)	23°	7900	4000	10.39	3.5	3.2	1.2	9.52	7.1	4.3	3.2	0.9	36	6.7	3.8	7.70	28	5.1	3.5	9.30	17	8.6	1.5
30W MR-16 FL (E20)	40°	7900	4000	4.100	2.9	2.9	1.2	3.57	1.75	3.0	2.9	1.17	200	4.8	1.5	3.30	65	5.0	3.7	4.40	35	6.7	4.1
30W MR-16 SP (E20)	23°	7900	4000	8.61	2.8	2.8	1.2	7.40	2.1	7.1	5.8	0.52	22	14.5	4.4	5.50	23	8.4	5.1	6.00	16	10.2	3.2
30W MR-16 FL (E20)	40°	7900	4000	5.180	1.4	1.4	1.2	4.40	1.52	1.6	1.4	3.52	750	2.1	1.0	5.50	105	1.8	1.2	7.70	83	2.5	1.7
30W MR-16 FL (E20)	40°	7900	4000	12.80	2.1	2.1	1.2	13.75	4.4	3.0	2.8	0.37	26	3.6	1.7	6.00	50	3.2	2.2	11.00	34	3.9	2.7
30W MR-16 FL (E20)	40°	7900	4000	20.29	3.5	3.5	1.2	26.52	7.9	3.7	3.2	0.104	40	4.9	2.7	3.30	137	2.8	1.5	3.30	39	4.7	3.1
30W MR-16 FL (E20)	40°	3500	4000	8.37	2.7	2.7	1.2	5.29	3.1	5.0	4.0	2.25	100	4.2	1.8	3.30	137	2.8	1.5	5.50	49	4.7	3.1
30W MR-16 FL (E20)	40°	3500	4000	3.55	3.5	3.5	1.2	4.00	4.6	4.2	3.8	0.59	48	1.2	2.7	7.70	25	6.5	4.4	9.00	15	8.4	5.6
30W MR-16 FL (E20)	40°	3500	4000	10.35	1.4	1.4	1.2	9.40	2.8	8.4	4.8	0.89	21	8.7	2.5	3.30	61	5.0	3.7	4.40	45	6.7	4.1
30W MR-16 FL (E20)	40°	3500	4000	6.52	4.4	4.4	1.2	7.49	2.7	7.1	5.9	0.52	23	14.0	4.4	5.50	25	8.4	5.1	6.00	20	10.1	6.2
30W MR-16 FL (E20)	40°	3500	4000	8.205	1.3	1.3	1.2	7.40	1.74	1.5	1.2	0.52	182	1.9	0.9	5.50	105	1.8	1.2	7.70	24	3.1	2.4
30W MR-16 FL (E20)	40°	3500	4000	12.91	1.9	1.9	1.2	10.9	4.5	2.7	1.3	0.19	22	2.3	1.2	3.30	39	2.7	1.5	5.50	57	2.8	2.0
30W MR-16 FL (E20)	40°	3500	4000	15.51	2.5	2.5	1.2	13.75	6.0	2.7	2.4	0.57	66	3.7	2.5	9.30	57	2.8	2.0	11.00	36	3.5	2.4
30W MR-16 FL (E20)	40°	3500	4000	20.33	3.1	3.1	1.2	18.92	8.3	3.4	2.9	0.164	45	3.8	1.7	3.30	54	3.1	2.7	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	1.190	1.9	1.9	1.2	3.17	1.13	2.0	1.7	1.17	300	2.2	1.0	3.30	54	3.1	2.7	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	6.67	2.9	2.9	1.2	5.79	6.2	3.3	2.8	2.35	75	4.0	1.5	5.50	34	5.1	3.8	6.00	20	10.1	6.2
30W MR-16 FL (E20)	40°	3500	4000	3.38	3.9	3.8	1.2	7.10	3.7	4.6	3.9	0.52	33	7.0	2.9	3.30	57	2.8	2.0	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	10.74	4.5	4.5	1.2	9.52	1.5	5.0	5.0	0.69	19	6.7	3.0	3.30	144	2.0	1.3	7.70	24	3.1	2.4
30W MR-16 FL (E20)	40°	3500	4000	1.185	2.0	2.0	1.2	7.40	1.35	2.3	2.0	3.57	142	5.7	1.5	5.50	144	2.0	1.3	7.70	24	3.1	2.4
30W MR-16 FL (E20)	40°	3500	4000	12.71	2.8	2.8	1.2	10.35	9.6	4.3	2.8	0.69	83	4.7	2.0	3.30	144	2.0	1.3	7.70	24	3.1	2.4
30W MR-16 FL (E20)	40°	3500	4000	13.40	3.8	3.8	1.2	13.7	1.8	4.3	3.7	0.71	51	5.7	2.5	3.30	45	4.5	3.8	4.40	35	6.7	4.1
30W MR-16 FL (E20)	40°	3500	4000	22.79	4.5	4.5	1.2	25.27	2.0	5.3	4.5	0.104	35	6.2	2.9	3.30	30	5.5	3.8	4.40	35	6.7	4.1
30W MR-16 FL (E20)	40°	3500	4000	8.91	2.9	2.9	1.2	5.29	8.8	3.8	2.8	2.35	106	4.6	1.9	3.30	134	3.1	2.0	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	6.51	4.4	4.4	1.2	7.40	4.5	4.6	3.9	0.52	47	7.0	2.9	3.30	48	5.1	3.4	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	10.24	4.0	4.0	1.2	9.52	2.7	3.7	3.0	0.39	27	3.0	3.6	7.70	25	7.1	4.8	9.00	15	8.4	5.6
30W MR-16 FL (E20)	40°	3500	4000	12.74	5.8	5.8	1.2	11.62	1.8	7.7	6.1	0.37	17	11.0	4.8	3.30	15	9.2	6.1	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	4.115	2.9	2.9	1.2	9.17	1.34	3.0	2.5	1.17	231	4.8	1.5	3.30	73	5.0	3.7	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	6.51	4.4	4.4	1.2	5.29	4.8	5.1	4.9	2.35	118	3.7	2.3	4.40	33	6.7	4.1	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	8.25	5.8	5.8	1.2	7.40	2.5	7.1	6.0	0.57	28	14.5	4.4	5.50	26	9.4	5.1	6.00	16	10.2	3.2
30W MR-16 FL (E20)	40°	3500	4000	10.19	7.3	7.3	1.2	9.52	7.5	8.1	7.0	0.45	14	19.3	5.8	6.00	16	10.2	3.2	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	3.126	3.1	3.1	1.2	3.17	8.3	4.5	3.6	1.17	44	2.0	2.1	3.30	102	5.7	2.9	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	4.45	4.2	4.2	1.2	5.29	3.0	7.5	6.0	2.35	36	44.5	4.2	3.30	45	8.6	4.4	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	7.23	7.3	7.3	1.2	7.40	1.5	10.7	8.4	0.52	16	66.6	6.2	4.40	25	11.4	5.9	5.50	16	14.3	7.4
30W MR-16 FL (E20)	40°	3500	4000	9.14	9.4	9.4	1.2	9.52	9	10.7	10.2	0.69	9	89.1	6.3	5.50	16	14.3	7.4	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	8.215	1.4	1.4	1.2	7.40	1.86	1.6	1.4	3.52	184	2.1	1.2	5.50	150	1.8	1.2	7.70	24	3.1	2.4
30W MR-16 FL (E20)	40°	3500	4000	12.97	2.1	2.1	1.2	10.58	5.1	2.3	2.0	0.65	102	2.5	1.4	7.70	101	2.5	1.7	9.00	61	3.1	2.4
30W MR-16 FL (E20)	40°	3500	4000	16.55	2.8	2.8	1.2	13.75	5.4	2.0	2.6	0.87	70	3.1	1.7	7.70	61	3.1	2.4	11.00	31	3.0	2.7
30W MR-16 FL (E20)	40°	3500	4000	20.35	3.5	3.5	1.2	16.87	3.6	2.7	3.2	0.104	49	4.3	2.1	3.30	51	3.0	2.7	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	4.156	2.0	2.0	1.2	3.17	1.50	2.7	2.3	1.17	313	3.8	1.7	3.30	40	4.4	2.8	4.40	53	4.1	2.7
30W MR-16 FL (E20)	40°	3500	4000	6.59	3.0	3.0	1.2	5.29	1.8	4.5	3.8	2.35	78	7.5	1.7	4.40	56	5.0	3.7	5.50	26	6.7	4.1
30W MR-16 FL (E20)	40°	3500	4000	8.39	3.8	3.8	1.2	7.40	2.3	6.3	5.3	0.52	35	11.4	3.9								