

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

Reflector Trim	Frame-In Kit	Lamp
453WH White (black baffle)	Remodeler 400MR Remodeler 401MRE Non-IC 402MR Non-IC 402MRE IC 402MRIC9	50W MR16 (dichroic shielded lamp only) 50W MR16 (dichroic shielded lamp only) 50W MR16 (dichroic shielded lamp only) 50W MR16 (dichroic shielded lamp only) 50W MR16 (dichroic shielded lamp only) (for 35W use FRB or 50W EXT narrow spot)

Features

- 1. Flange Ring Assembly:** Molded high heat polycarbonate; installs and removes with twist-lock action. Available in silver grey or white paint finish.
- 2. Tripod Ring Assembly:** Molded high heat polycarbonate; assemble with spring steel lampholder to accept MR16 socket from Frame-In Kits or Remodelers.
- 3. Verti-Groove Baffle:** Molded high heat polycarbonate; Rotates 358° horizontally and 0° to 30° vertically using a ratchet feature. Black baffle on 452WH. Silver Grey paint on 452GY.
- 4. Projection Kit:** Kit includes assortment of accessories to project light beam. (Felt-tip pen with blank template and pre-painted pattern.)
- 4. Mounting Clips (3):** 24 ga. spring steel, zinc plated. Provide easy snap-in/snap-out action.

Frame-In Kit

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

Labels

CSA, UL (Suitable for damp locations.)

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

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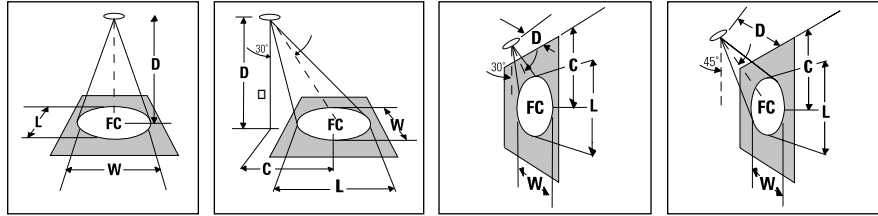
LIGHTOLIER®



(FC) is initial footcandles 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 is center beam candlepower.
(C) is distance to the center of the beam.

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



Lamps	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	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
MR16 Low Voltage Halogen Bi-Pin Lamps																					
20W MR16 VNSP (EZZ)	7°	8200	3000	7' 167	0.9'	0.9'		6' 3.5'	148	1.0'	0.8'	2' 3.5'	256	1.0'	0.5'	4' 4.0'	181	1.0	0.7'		
				10' 82	1.2'	1.2'		9' 5.2'	66	1.5'	1.3'	3' 5.2'	114	1.5'	0.7'	6' 6.0'	81	1.5	1.0'		
				13' 49	1.6'	1.6'		12' 6.9'	37	2.0'	1.7'	4' 6.9'	64	2.0'	1.0'	8' 8.0'	45	2.0	1.4'		
20W MR16 NSP (ESX)	13°	3600	3000	6' 100	1.4'	1.4'		5' 2.9'	94	1.5'	1.3'	2' 3.5'	113	1.9'	0.9'	3' 3.0	141	1.4'	1.0'		
				8' 56	1.8'	1.8'		7' 4.0'	48	2.1'	1.8'	3' 5.2'	50	2.8'	1.4'	5' 5.0	51	2.3'	1.6'		
				10' 36	2.3'	2.3'		9' 5.2'	29	2.7'	2.4'	4' 6.9'	28	3.8'	1.8'	7' 7.0'	26	3.2'	2.3'		
20W MR16 FL (BAB)	40°	525	4000	2' 131	1.5'	1.5'		2' 1.2'	85	2.0'	1.7'	1' 1.7'	66	4.8'	1.5'	2' 2.0'	46	3.4'	2.1'		
				3' 58	2.2'	2.2'		3' 1.7'	38	3.0'	2.5'	2' 3.5'	16	9.7'	2.9'	3' 3.0'	21	5.0'	3.1'		
				4' 33	2.9'	2.9'		4' 2.3'	21	4.1'	3.4'	3' 5.2'	7	14.5'	4.4'	4' 4.0'	12	6.7'	4.1'		
35W MR16 NSP (FRB)	12°	8700	4000	7' 178	1.5'	1.5'		6' 3.5'	157	1.7'	1.5'	2' 3.5'	272	1.7'	0.8'	4' 4.0'	192	1.7'	1.2'		
				10' 87	2.1'	2.1'		9' 5.2'	70	2.5'	2.2'	3' 5.2'	121	2.6'	1.3'	6' 6.0'	85	2.6'	1.8'		
				13' 51	2.7'	2.7'		12' 6.9'	39	3.4'	2.9'	4' 6.9'	68	3.5'	1.7'	8' 8.0'	48	3.4'	2.4'		
35W MR16 SP (FRA)	20°	3900	4000	6' 108	2.1'	2.1'		5' 2.9	101	2.4'	2.0'	2' 3.5'	122	3.1'	1.4'	3' 3.0'	153	2.2'	1.5'		
				8' 61	2.8'	2.8'		7' 4.0'	52	3.3'	2.9'	3' 5.2'	54	4.7'	2.1'	5' 5.0'	55	3.6'	2.5'		
				10' 39	3.5'	3.5'		9' 5.2'	31	4.3'	3.7'	4' 6.9'	30	6.2'	2.8'	7' 7.0'	28	5.1'	3.5'		
35W MR16 FL (FMW)	40°	1600	4000	4' 100	2.9'	2.9'		3' 1.7'	115	3.0'	2.5'	1' 1.7'	200	4.8'	1.5'	3' 3.0'	63	5.0'	3.1'		
				6' 44	4.4'	4.4'		5' 2.9'	42	5.1'	4.2'	2' 3.5'	50	9.7'	2.9'	4' 4.0'	35	6.7'	4.1'		
				8' 25	5.8'	5.8'		7' 4.0'	21	7.1'	5.8'	3' 5.2'	22	14.5'	4.4'	5' 5.0'	23	8.4'	5.1'		
37W MR16 IR (NSP)	10°	11500	4000	6' 180	1.4'	1.4'		7' 4.0'	152	1.6'	1.4'	3' 5.2'	160	2.1'	1.0'	5' 5.0'	163	1.8'	1.2'		
				12' 80	2.1'	2.1'		10' 5.8'	75	2.3'	2.0'	4' 6.9'	90	2.9'	1.4'	7' 7.0'	83	2.5'	1.7'		
				16' 45	2.8'	2.8'		13' 7.5'	44	3.0'	2.8'	5' 8.7'	58	3.6'	1.7'	9' 9.0'	50	3.2'	2.2'		
37W MR16 IR (NFL)	25°	3500	4000	6' 97	2.7'	2.7'		5' 2.9'	91	3.0'	2.6'	2' 3.5'	109	4.2'	1.8'	3' 3.0'	137	2.8'	1.9'		
				8' 55	3.5'	3.5'		7' 4.0'	46	4.2'	3.6'	3' 5.2'	49	6.2'	2.7'	5' 5.0'	49	4.7'	3.1'		
				10' 35	4.4'	4.4'		9' 5.2'	28	5.4'	4.6'	4' 6.9'	27	8.3'	3.5'	7' 7.0'	25	6.5'	4.4'		
37W MR16 IR (FL)	40°	2050	4000	4' 128	2.9'	2.9'		3' 1.7'	148	3.0'	2.5'	1' 1.7'	258	4.8'	1.5'	3' 3.0'	61	5.0'	3.1'		
				6' 57	4.4'	4.4'		5' 2.9'	53	5.1'	4.2'	2' 3.5'	64	9.7'	2.9'	4' 4.0'	45	6.7'	4.1'		
				8' 32	5.8'	5.8'		7' 4.0'	27	7.1'	5.9'	3' 5.2'	28	14.5'	4.4'	5' 5.0'	29	8.4'	5.1'		
42W MR16 VNSP (EZY)	9°	13,100	3500	8' 205	1.3'	1.3'		7' 4.0'	174	1.5'	1.3'	3' 5.2'	182	1.9'	0.9'	5' 5.0'	185	1.6'	1.1'		
				12' 91	1.9'	1.9'		10' 5.8'	85	2.1'	1.8'	4' 6.9'	102	2.6'	1.3'	7' 7.0'	95	2.2'	1.6'		
				16' 51	2.5'	2.5'		13' 7.5'	50	2.7'	2.4'	5' 8.7'	66	3.2'	1.6'	9' 9.0'	57	2.8'	2.0'		
42W MR16 NFL (EYS)	27°	2400	4000	4' 150	1.9'	1.9'		3' 1.7'	173	2.0'	1.7'	1' 1.7'	300	2.3'	1.0'	3' 3.0	94	3.1'	2.0'		
				6' 67	2.9'	2.9'		5' 2.9'	62	3.3'	2.8'	2' 3.5'	75	4.6'	1.9'	4' 4.0'	53	4.1'	2.7'		
				8' 38	3.8'	3.8'		7' 4.0'	32	4.6'	3.9'	3' 5.2'	33	7.0'	2.9'	5' 5.0'	34	5.1'	3.4'		
50W MR16 NSP (Ext)	14°	10,200	4000	8' 159	2.0'	2.0'		7' 4.0'	135	2.3'	2.0'	3' 5.2'	142	3.1'	1.5'	5' 5.0'	144	2.5'	1.7'		
				12' 71	2.9'	2.9'		10' 5.8'	66	3.3'	2.8'	4' 6.9'	80	4.1'	2.0'	7' 7.0'	74	3.5'	2.4'		
				16' 40	3.8'	3.9'		13' 7.5'	39	4.3'	3.7'	5' 8.7'	51	5.1'	2.5'	9' 9.0'	45	4.5'	3.1'		
50W MR16 NFL (EXZ)	27°	3400	4000	6' 94	2.9'	2.9'		5' 2.9'	88	3.3'	2.8'	2' 3.5'	106	4.6'	1.9'	3' 3.0'	134	3.1'	2.0'		
				8' 53	3.8'	3.8'		7' 4.0'	45	4.6'	3.9'	3' 5.2'	47	7.0'	2.9'	5' 5.0'	48	5.1'	3.4'		
				10' 34	4.8'	4.8'		9' 5.2'	27	5.9'	5.0'	4' 6.9'	27	9.3'	3.6'	7' 7.0'	25	7.1'	4.8'		
50W MR16 FL (EXN)	40°	1850	4000	4' 116	2.9'	2.9'		3' 1.7'	134	3.0'	2.5'	1' 1.7'	231	4.8'	1.5'	3' 3.0'	73	5.0'	3.1'		
				6' 51	4.4'	4.4'		5' 2.9	48	5.1'	4.2'	2' 3.5'	58	9.7'	2.9'	4' 4.0'	41	6.7'	4.1'		
				8' 29	5.8'	5.8'		7' 4.0'	25	7.1'	5.9'	3' 5.2'	26	14.5'	4.4'	5' 5.0'	26	8.4'	5.1'		
50W MR16 WFL (FNV)	55°	1150	4000	3' 128	3.1'	3.1'		3' 1.7'	83	4.6'	3.6'	1' 1.7'	144	22.3'	2.1'	2' 2.0'	102	5.7'	2.9'		
				5' 46	5.2'	5.2'		5' 2.9'	30	7.6'	6.0'	2' 3.5'	36	44.5'	4.2'	3' 3.0'	45	8.6'	4.4'		
				7' 23	7.3'	7.3'		7' 4.0'	15	10.7'	8.4'	3' 5.2'	16	66.8'	6.2'	4' 4.0'	25	11.4'	5.9'		
75W MR16 NSP (EYF)	14°	12,000	4000	8' 188	2.0'	2.0'		7' 4.0'	159	2.3'	2.0'	3' 5.2'	167	3.1'	1.5'	5' 5.0'	170	2.5'	1.7'		
				12' 83	2.9'	2.9'		10' 5.8'	78	3.3'	2.8'	4' 6.9'	94	4.1'	2.0'	7' 7.0'	87	3.5'	2.4'		
				16' 47	3.9'	3.9'		13' 7.5'	40	4.3'	3.7'	5' 8.7'	60	5.1'	2.5'	9' 9.0'	52	4.5'	3.1'		
75W MR16 NFL (EYJ)	25°	4900	4000	6' 136	2.7'	2.7'		5' 2.9'	127	3.0'	2.6'	2' 3.5'	153	4.2'	1.8'	3' 3.0'	192	2.8'	1.9'		
				8' 77	3.5'	3.5'		7' 4.0'	65	4.2'	3.6'	3' 5.2'	68	6.2'	2.7'	5' 5.0'	69	4.7'	3.1'		
				10' 49	4.4'	4.4'		9' 5.2'	39	5.4'	4.6'	4' 6.9'	38	8.3'	3.5'	7' 7.0'	35	6.5'	4.4'		
75W MR16 FL (EYC)	42°	2100	4000	4' 131	3.1'	3.1'		3' 1.7'	152	3.2'	2.7'	1' 1.7'	263	5.5'	1.5'	3' 3.0'	62	5.4'	3.3'		
				6' 58	4.6'	4.6'		5' 2.9'	55	5.4'	4.4'	2' 3.5'	66	11.0'	3.1'	4' 4.0'	46	7.2'	4.3'		
				8' 33	6.1'	6.1'		7' 4.0'	28	7.5'	6.2'	3' 5.2'	29	16.5'	4.6'	5' 5.0'	30	9.0'	5.4'		

Job Information **Type:**

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