

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

Reflector Trim		Frame-In Kit	Lamp
<b>316ALX</b>	Aluminum Paint	<b>Remodeler</b> 300MRX	50W MR16
<b>316CMX</b>	Chrome Plated	<b>Remodeler</b> 3401MREX	50W MR16
<b>316GKX</b>	24k Gold Plated	<b>Remodeler</b> 303MRE	37W MR16
<b>316WHX</b>	White Paint	<b>Remodeler</b> 300ESX	50W ES/ESD16 (GZ10)
		<b>Non-IC</b> 302MRX	50W MR16
		<b>Non-IC</b> 302MREX	50W MR16
		<b>Non-IC</b> 302ESX	50W ES/ESD16 (GZ10)
		<b>IC</b> 302MREIC9X	50W MR16
		<b>IC</b> 302ESICX	50W ES/ESD16 (GZ10)
		<b>Air Seal / IC</b> 302MRAICX	50W MR16
		<b>Air Seal / IC</b> 302ESAICX	

### Features

- Housing:** 25ga galvanized steel.
- Residence Mounting Clip:** Factory-installed; zinc plated spring steel; ADF2BG Blue-Green free-hand installation. (patent # 2,184, 149)
- Face Plate:** 23ga. cold roll steel. One piece face plate / lamp housing.
- Mounting Clips (2):** 24ga. spring steel, zinc plated. Provide easy snap-in / snap-out action.
- Lamp Guard:** 2" (51mm) dia. borosilicate glass.

### Frame-In Kit

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

### Labels

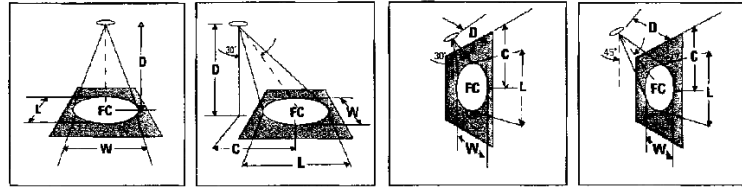
CSA, UL. (Suitable for wet; damp locations.)

Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710  
 We reserve the right to change details of design, materials and finish.  
 www.lightolier.com © 2008 Philips Group • C0708

(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.



Lamp	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
<b>MR-16 LOW VOLTAGE HALOGEN BI-PIN LAMPS</b>																					
20W MR-16 VNSP (EZX)	7°	8200	3000	6' 167	0.9'	0.5'		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'		
				15' 46	1.6'	1.6'		12' 6.9'	37	2.0'	1.7'	4' 6.8'	94	2.0'	1.0'	8' 8.0'	46	2.0'	1.4'		
				16' 32	2.0'	2.0'		15' 8.7'	24	2.3'	2.1'	5' 8.7'	41	2.5'	1.2'	10' 10.0'	29	2.5'	1.7'		
20W MR-16 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' 5.2'	28	3.8'	1.8'	7' 7.0'	28	3.2'	2.3'		
				12' 25	2.7'	2.7'		11' 6.4'	19	3.4'	2.9'	5' 8.7'	18	4.7'	2.3'	9' 9.0'	16	4.2'	2.9'		
20W MR-16 FL (BAB)	40°	525	4000	2' 131	1.5'	1.5'		2' 1.2'	85	2.0'	1.7'	1' 1.1'	66	4.5'	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	5.7'	2.5'	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'		
				5' 21	3.6'	3.6'		5' 2.9'	14	5.1'	4.2'	4' 6.9'	4	19.3'	5.8'	5' 5.0'	7	8.4'	5.1'		
35W MR-16 NSP (FRB)	12°	9700	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'	1.6'		
				13' 51	2.7'	2.7'		12' 6.9'	39	3.4'	2.9'	4' 6.9'	69	3.5'	1.7'	8' 8.0'	48	3.4'	2.4'		
				16' 34	3.4'	3.4'		15' 8.7'	25	4.2'	3.6'	5' 8.7'	44	4.3'	2.1'	10' 10.0'	31	4.2'	3.0'		
35W MR-16 SP (FRA)	20°	3900	4000	6' 168	2.1'	2.1'		5' 2.9'	101	2.4'	2.0'	2' 3.5'	122	3.1'	1.4'	3' 3.0'	153	2.7'	1.5'		
				8' 61	2.8'	2.8'		7' 4.0'	52	3.2'	2.8'	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	5.2'	2.8'	7' 7.0'	28	5.1'	3.5'		
				12' 27	4.2'	4.2'		11' 6.4'	21	5.2'	4.5'	5' 8.7'	20	7.8'	3.5'	9' 9.0'	17	6.6'	4.5'		
35W MR-16 FL (FMV)	40°	1600	4000	4' 100	2.9'	2.9'		3' 1.7'	115	3.0'	2.5'	1' 1.7'	200	4.8'	1.9'	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' 26	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'		
				10' 16	7.3'	7.3'		9' 5.2'	13	9.1'	7.6'	4' 6.9'	13	19.3'	5.8'	6' 6.0'	16	10.1'	8.2'		
37W MR-16 IR (NSP)	10°	11500	4000	6' 180	1.4'	1.4'		7' 4.0'	152	1.8'	1.4'	3' 5.2'	180	2.1'	1.0'	5' 5.0'	183	1.8'	1.2'		
				12' 80	2.1'	2.1'		10' 5.8'	75	2.5'	2.2'	4' 6.9'	99	2.9'	1.4'	7' 7.0'	63	2.5'	1.7'		
				16' 45	2.8'	2.8'		13' 7.5'	44	3.0'	2.8'	5' 8.7'	58	3.8'	1.7'	8' 9.0'	50	3.2'	2.2'		
				20' 29	3.5'	3.5'		16' 9.2'	29	3.7'	3.2'	6' 10.4'	40	4.3'	2.1'	11' 11.0'	34	3.9'	2.7'		
37W MR-16 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'	3.8'	3' 5.2'	49	5.2'	2.7'	5' 5.0'	49	4.7'	3.1'		
				10' 35	4.4'	4.4'		9' 5.2'	26	5.4'	4.6'	4' 6.9'	27	8.3'	3.5'	7' 7.0'	25	6.5'	4.4'		
				12' 24	5.3'	5.3'		11' 6.4'	19	6.6'	5.6'	5' 8.7'	18	10.4'	4.4'	9' 9.0'	15	8.4'	5.8'		
37W MR-16 IR (FL)	40°	2050	4000	4' 128	2.9'	2.9'		3' 1.7'	148	3.0'	2.5'	1' 1.7'	258	4.6'	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'	46	6.7'	4.1'		
				8' 32	5.8'	5.8'		7' 4.0'	27	7.1'	5.8'	3' 5.2'	28	14.5'	4.4'	5' 5.0'	29	8.4'	5.1'		
				10' 21	7.3'	7.3'		9' 5.2'	16	9.1'	7.6'	4' 6.9'	15	19.3'	5.8'	6' 6.0'	20	10.1'	6.2'		
42W MR-16 VNSP (EZV)	9°	13,100	3500	6' 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	2.6'	2.6'		13' 7.5'	50	2.7'	2.4'	5' 8.7'	66	3.2'	1.6'	9' 9.0'	57	2.8'	2.0'		
				20' 33	3.1'	3.1'		16' 9.2'	33	3.4'	2.9'	6' 10.4'	45	3.8'	1.9'	11' 11.0'	38	3.5'	2.4'		
42W MR-16 NFL (EVS)	27°	2400	4000	6' 150	1.9'	1.9'		3' 1.7'	173	2.0'	1.7'	1' 1.7'	300	2.3'	1.0'	3' 3.0'	84	3.1'	2.0'		
				8' 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'		
				10' 36	3.8'	3.8'		7' 4.0'	32	4.0'	3.4'	3' 5.2'	33	7.0'	2.9'	5' 5.0'	34	5.1'	3.4'		
				12' 24	4.8'	4.8'		9' 5.2'	16	5.9'	5.0'	4' 6.9'	19	9.3'	3.6'	6' 6.0'	24	6.1'	4.1'		
50W MR-16 NSP (EXT)	14°	10,200	4000	6' 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'	3.8'		13' 7.5'	36	4.3'	3.7'	5' 8.7'	51	5.1'	2.5'	9' 9.0'	45	4.5'	3.1'		
				20' 26	4.8'	4.8'		15' 9.2'	28	5.3'	4.5'	6' 10.4'	36	6.2'	2.9'	11' 11.0'	30	5.5'	3.8'		
50W MR-16 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'	4.6'		
				12' 24	5.8'	5.8'		11' 6.4'	18	7.2'	6.1'	5' 8.7'	17	11.6'	4.8'	9' 9.0'	15	9.2'	6.1'		
50W MR-16 FL (EXN)	40°	1850	4000	4' 115	2.9'	2.9'		3' 1.7'	194	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'		
				10' 19	7.3'	7.3'		9' 5.2'	15	9.1'	7.6'	4' 6.9'	14	19.3'	5.8'	6' 6.0'	18	10.1'	6.2'		
50W MR-16 WFL (FNV)	56°	1150	4000	3' 128	3.1'	3.1'		3' 1.7'	83	4.8'	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'	38	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'	15	86.8'	6.2'	4' 4.0'	25	11.4'	5.9'		
				9' 14	9.4'	9.4'		9' 5.2'	9	13.7'	10.6'	4' 6.9'	9	89.1'	8.3'	5' 5.0'	16	14.3'	7.4'		
73W MR-16 SP	10°	14000	4000	6' 219	1.4'	1.4'		7' 4.0'	186	1.8'	1.4'	3' 5.2'	194	2.1'	1.0'	5' 5.0'	189	1.8'	1.2'		
				12' 97	2.1'	2.1'		10' 5.8'	91	2.3'	2.0'	4' 6.9'	109	2.9'	1.4'	7' 7.0'	101	2.5'	1.7'		
				16' 55	2.9'	2.9'		13' 7.5'	54	3.0'	2.6'	5' 8.7'	70	4.0'	1.7'	9' 9.0'	61	3.2'	2.5'		
				20' 35	3.5'	3.5'		16' 9.2'	36	3.7'	3.2'	6' 10.4'	49	4.3'	2.1'	11' 11.0'	41	3.8'	2.7'		
73W MR-16 FL	36°	2500	4000	4' 156	2.5'	2.5'		3' 1.7'	160	2.7'	2.3'	1' 1.7'	313	3.8'	1.3'	3' 3.0'	98	4.4'	2.8'		
				6' 59	3.8'	3.8'		5' 2.9'	65	4.5'	3.8'	2' 3.5'	78	7.5'	2.6'	4' 4.0'	95	5.8'	3.7'		
				8' 39	5.2'	5.2'		7' 4.0'	33	6.3'	5.3'	3' 5.2'	35	11.4'	3.9'	5' 5.0'	36	7.3'	4.6'		
				10' 25	6.6'	6.6'		9' 5.2'	20	6.1'	6.6'	4' 6.9'	20	15.2'	5.2'	6' 6.0'	26	8.7'	5.5'		
75W MR-16 NSP (FVS)	14°	12,000	4000	6' 188	2.0'	2.0'		7' 4.0'	158	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'	67	3.5'	2.4'		
				16' 47	3.8'	3.8'		13' 7.5'	40	4.3'	3.7'	5' 8.7'	60	5.1'	2.5'	9' 9.0'	52	4.5'	3.1'		
				20' 30	4.8'	4.8'		15' 9.2'	30	5.3'	4.5'	6' 10.4'	42	6.2'	2.9'	11' 11.0'	35	5.5'	3.8'		
75W MR-16 NFL (EYJ)	25°	4900	4000	6' 136																	