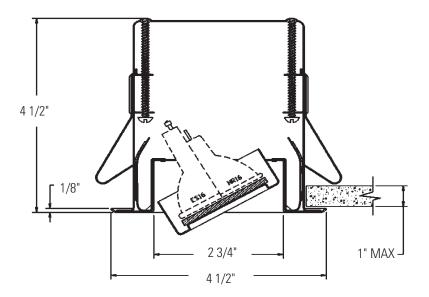
3 3/4" (95mm) Aperture Deep Residence MR16



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

Reflector Trim		Frame-In K	Lamp				
313ABX	Antique Brass Plated	Remodeler	300MRSPX	50W MR16			
B13ALX	Aluminum Paint	Remodeler	3401MREX	50W MR16			
313BKX	Black Paint	Remodeler	303MRE	37W MR16			
313CMX	Chrome Plated	Non-IC	302MRSPX	50W MR16			
313STX	Stainless Steel Plated	Non-IC	302MREX	50W MR16			
313WHX	White Paint	IC	302MRIC7SPX	50W MR16			
		IC	302MRIC9SPX	50W MR16			
		Air Seal / IC	302MRAICSPX	50W MR16			
		Air Seal / IC	302MRAICEX	50W MR16			

## **Features**

- 1. Housing: 25ga. galvanized steel.
- 2. Residence Mounting Clip: Factory-installed; zinc plated spring steel; free-hand installation.
- 3. Flange Housing: Cold rolled steel 22ga.
- 4. Adjustable Lampholder Support: 27ga. steel; Rotates 358° horizontally and 0° to 30° vertically.
- 5. Mounting Clips (2): 24ga. spring steel, zinc plated. Provide easy snap-in / snap-out action.
- 6. 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 damp locations.

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

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# **PHILIPS** LIGHTOLIER®

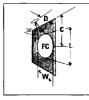
# Page 2 of 2

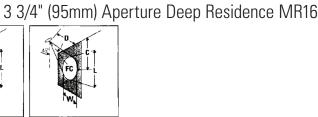
(FC) is initial footcandles at center of beam. Beam length (L) and beam width (W) are to where the candlepower is reduced to 50% of center beam candlepower. CBCP is center beam candlepower. (C) is distance to the center of the beam.

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









				, ,			<u> </u>											1					
				0°	AlMII	NG AN	GLE		30° AIMING ANGLE			3	30° AIMÍNG ANGLE					45° AIMING ANGLE					
Lamps	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	D	FC	L	w	D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	w	
MR-16 LOW	VULIAGE HA	-		MPS 7' 10'	167 82	0.9' 1.2'	0.9' 1.2'	6'	3.5° 5.2°	148 66	1.0° 1.5°	0.8'	2' 3'	3.5 5.2'	256 114	1.0° 1.5°	0.5° 0.7°	4' 6'	4.0' 6.0'	181 81	1.0	0.7' 1.0'	
20W MR-16 VNSP (EZX)		8200	3000	13' 16'	49 32	1.6° 2.0°	1.6° 2.0°	12 15	6.9' 8.7'	37 24	2.0° 2.3°	1.7′ 2.1′	4' 5'	6.9' 8.7'	64 41	2.0' 2.5'	1.0° 1.2°	8' 10'	8.0° 10.0°	45 29	2.0 2.5	1.4′	
20W MR-16 NSP (ESX)	13°	3600	3000	6' 8' 10' 12'	100 56 36 25	1.4' 1.8' 2.3' 2.7'	1.4' 1.8' 2.3' 2.7'	5' 7' 9' 11		94 48 29 19	1.5' 2.1' 2.7' 3.4'	1.3' 1.8' 2.4' 2.9'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	113 50 28 18	1.9' 2.8' 3.8' 4.7'	0.9° 1.4° 1.8° 2.3°	3′ 5′ 7′ 9′	3.0 5.0 7.0 9.0	141 51 26 16	1.4' 2.3' 3.2' 4.2'	1.0° 1.6° 2.3° 2.9°	
20W MR-16 FL (BAB)	40*	525	4000	2° 3° 4° 5°	131 58 33 21	1.5' 2.2' 2.9' 3.6'	1.5' 2.2' 2.9' 3.6'	2' 3' 4' 5'	1.2' 1.7' 2.3' 2.9'	85 38 21 14	2.0° 3.0° 4.1° 5.1°	1.7' 2.5' 3.4' 4.2'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	66 16 7 4	4.8' 9.7' 14.5' 19.3'	1.5° 2.9° 4.4° 5.8°	2' 3' 4' 5'	2.0° 3.0° 4.0° 5.0°	46 21 12 7	3.4° 5.0° 6.7° 8.4°	2.1' 3.1' 4.1' 5.1'	
35W MR-16 NSP (FRB)	12'	8700	4000	7' 10' 13' 16'	178 87 51 34	1.5' 2.1' 2.7' 3.4'	1.5' 2.1' 2.7' 3.4'	6° 9° 12	6.9	157 70 39 25	1.7' 2.5' 3.4' 4.2'	1.5' 2.2' 2.9' 3.6'	2′ 3′ 4′ 5′	3.5° 5.2° 6.9° 6.7°	272 121 68 44	1.7' 2.6' 3.5' 4.3'	0.8' 1.3' 1.7' 2.1'	4′ 6′ 8′ 10′		192 85 48 31	1.7' 2.6' 3.4' 4.3'	1.2' 1.8' 2.4' 3.0'	
35W MR-16 SP (FRA)		3900	4000	6° 8' 10' 12'	108 61 39 27	2.1' 2.8' 3.5' 4.2'	2.1' 2.8' 3.5' 4.2'	5 7 9 11	4.0° 5.2°	101 52 31 21	2.4' 3.3' 4.3' 5.2'	2.0° 2.9° 3.7° 4.5°	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	122 54 30 20	3.1' 4,7' 6.2' 7.8'	1.4' 2.1' 2.8' 3.5'	3° 7' 9'	3.0' 5.0' 7.0' 9.0'	153 55 28 17	2.2° 3.6° 5.1° 6.6°	1.5' 2.5' 3.5' 4.5'	
35W MR-16 FL (FMW)		1600	4000	4′ 6′ 8′ 10′	100 44 25 16	2.9' 4.4' 5.8' 7.3'	2.9' 4.4' 5.8' 7.3'	3 5 7 9	4.0	115 42 21 13	3.0° 5.1° 7.1° 9.1°	2.5' 4.2' 5.8' 7.6'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	200 50 22 13	4.8' 9.7' 14.5' 19.3'	1.5° 2.9° 4.4° 5.6°	3' 4' 5' 6'	3.0° 4.0° 5.0° 6.0°	63 35 23 16	5.0° 6.7° 8.4° 10.1°	3.1' 4.1' 5.1' 6.2'	
37W MR-16 IR (NSP)	\ \ \	11500	4000	6' 12' 16' 20	180 80 45 29	1.4 2.1 2.8 3.5	1.4' 2.1' 2.8' 3.5'	7 <sup>1</sup> 10 13 16	7.5	152 75 44 29	1.6' 2.3' 3.0' 3.7'	1.4' 2.0' 2.8' 3.2'	3' 4' 5' 6	5.2' 6.9' 8.7' 10.4'	160 90' 58 40	2.1' 2.9' 3.6' 4.3'	1.0° 1.4° 1.7° 2.1°	5' 7' 9' 11'	5.0° 7.0° 9.0° 11.0°	163 83 50 34	1.8° 2.5° 3.2° 3.9°	1.2' 1.7' 2.2' 2.7'	
37W MR-16 IR (NFL)	<u> </u>	3500	4000	6' 8' 10' 12'	97 55 35 24	2.7' 3.5' 4.4' 5.3'	2.7' 3.5' 4.4' 5.3'	5' 7' 9	2.9° 4.0° 5.2°	91 46 28 19	3.0° 4.2° 5.4° 6.6°	2.6 3.6 4.6 5.6	2' 3' 4' 5'	3.5° 5.2° 6.9° 8.7°	109 49 27 18	4.2' 6.2' 8.3' 10.4'	1.8° 2.7° 3.5° 4.4°	3° 5' 7' 9'	3.0° 5.0° 7.0° 9.0°	137 49 25 15	2.8 4.7 6.5 8.4	1.9 3.1 4.4 5.6	
37W MR-16 IR (FL)		2050	4000	4° 6° 8° 10°	128 57 32 21	2.9° 4.4° 5.8° 7.3°	2.9° 4.4° 5.8° 7.3°	3° 5° 7° 9°	1.7 2.9 4.0 5.2	148 53 27 16	3.0° 5.1° 7.1° 9.1°	2.5° 4.2° 5.9° 7.6°	1' 2' 3' 4'	1.7 3.5 5.2 6.9	258 64 28 16	4.8' 9.7' 14.5' 19.3'	1.5 2.9 4.4 5.8	3 4 5 6	3.0° 4.0° 5.0° 6.0°	61 45 29 20	5.0° 6.7° 8.4° 10.1°	3.1 4.1 5.1 6.2	
42W MR-16 VNSP (EZY)	9.	13,100	3500	8' 12' 16' 20'	205 91 51 33	1.3' 1.9' 2.5' 3.1'	1.3 1.9 2.5 3.1	7 10 13	4.0 0′ 5.8′ 3′ 7.5′	174 85 50 33	1.5' 2.1' 2.7' 3.4'	1.3' 1.8' 2.4' 2.9'	3′ 4′ 5′ 6′	5.2' 6.9' 8.7' 10.4	182 102 66 45	1.9' 2.6' 3.2' 3.8'	0.9' 1.3' 1.6' 1.9'	5' 7' 9' 11	5.0° 7.0 9.0° 11.0	185 95 57 38	1.6° 2.2° 2.8° 3.5°	1.1' 1.6' 2.0' 2.4'	
42W MR-16 NFL (EYS)		2400	4000	4′ 6′ 8′ 10′	150 67 38 24	1.9' 2.9' 3.8' 4.8'	1.9 2.9 3.8 4.8	- 3 5 7 9	7 2.9° 7 4.0°	173 62 32 19	2.0° 3.3° 4.6° 5.9°	1.7' 2.8' 3.9' 5.0'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	300 75 33 19	2.3° 4.6° 7.0° 9.3°	1.0° 1.9° 2.9° 3.6°	3′ 4′ 5′ 6′	3.0 4.0' 5.0' 6.0'	94 53 34 24	3.1' 4.1' 5.1' 6.1'	2.0° 2.7° 3.4° 4.1°	
50W MR-16 NSP (EXT)	À.	10,200	4000	8' 12' 16' 20'	159 71 40 26	2.0° 2.9° 3.8° 4.9°	2.0° 2.9° 3.9° 4.9°	7 11 1:	7 4.0° 0° 5.8° 3° 7.5°	135 66 39 28	2.3° 3.3° 4.3° 5.3°	2.0' 2.8' 3.7' 4.5'	3′ 4′ 5′ 6′	5.2' 6.9' 8.7' 10.4'	142 80 51 35	3.1′ 4.1′ 5.1′ 6.2′	1.5° 2.0° 2.5° 2.9°	5' 7' 9' 11	5.0° 7.0° 9.0° 11.0	144 74 45 30	2.5' 3.5' 4.5' 5.5'	1.7' 2.4' 3.1' 3.8'	
50W MR-16 NFL (EXZ)		3400	4000	6' 8' 10' 12'	94 53 34 24	2.9' 3.8' 4.8' 5.8'	2.9' 3.8' 4.8' 5.8'	- <del>- 5</del> 7 9 9 1	' 4.0' ' 5.2'	88 45 27 18	3.3° 4.6° 5.9° 7.2°	2.8' 3.9' 5.0' 6.1'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	106 47 27 17	4.6' 7.0' 9.3' 11.6'	1.9' 2.9' 3.6' 4.8'	3° 5° 7° 9°	7.0	134 48 25 15	3.1′ 5.1′ 7.1′ 9.2′	2.0° 3.4° 4.8° 6.1°	
50W MR-16 FL (EXN)	40*	1850	4000	4' 6' 8' 10'	116 51 29 19	2.9' 4.4' 5.8' 7.3'	2.9' 4.4' 5.8' 7.3'	3 5 7	2.9 4.0	134 48 25 15	3.0° 5.1° 7.1° 9.1°	2.5' 4.2' 5.9' 7.6'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	231 58 26 14	4.8' 9.7' 14.5' 19.3'	1.5' 2.9' 4.4' 5.8'	3 4 5 6	3.0° 4.0° 5.0° 6.0°	73 41 26 18	5.0' 6.7' 8.4' 10.1		
50W MR-16 WFL (FNV)	55°	1150	4000	3′ 5′ 7′ 9′	128 46 23 14	3.1' 5.2' 7.3' 9.4'	3.1′ 5.2′ 7.3′ 9.4′		2.9	83 30 15 9	4.6′ 7.6′ 10.7′ 13.7′	3.6' 6.0' 8.4' 10.8'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	144 36 16 9	22.3' 44.5' 66.8' 89.1'	2.1' 4.2' 6.2' 8.3'	2 3 4 5	4.01	102 45 25 16	5.7' 8.6' 11.4 14.3	5.9"	
73W MR-16 SP	\ 10°	14000	4000	8' 12 16' 20'	219 97 55 35	1.4' 2.1' 2.8' 3.5'	1.4° 2,1° 2.9° 3.5°	7 10 13	J' <b>5.8</b> 3' 7.5	91	1.6' 2.3' 3.0' 3.7'	1.4' 2.0' 2.6' 3.2'	3' 4' 5' 6'	5.2' 8.9' 8.7' 10.4'	194 109 70 49	2.1' 2.9' 3.6' 43'	1.0' 1.4' 1.7' 2.1'	5' 7' 9'	5.0° 7.0° 9.0° 11.0	196 10 61 41		1.2' 1.7' 2.5' 2.7'	
73W MR-16	36°	2500	4000	4' 6' 8' 10	156 59 39 25	2.5' 3.8' 5.2' 6.5'	2.6' 3.8' 5.2' 6.5'	3 5 7 9	1.7 2.9 4.0	65	2.7' 4.5' 6.3' 6.1'	2.3' 3.8' 5.3' 6.6'	1' 2' 3' 4'	1.7 3.5 5.2 6.9	313 78 35 20	3.8 7.5 11.4 15.2	1.3° 2.6° 3.9° 5.2°	3 4 5 6	3.0° 4.0° 5.0° 6.0°	98 55 35 25	6,7	2.8' 3.7' 4.6' 5.5'	
75W MR-16	À.	12,000	4000	8' 12' 16' 20'	188 83 47 30	2.0° 2.9° 3.9° 4.9°	2.0° 2.9° 3.9° 4.9°	1 1 1	0' 5.8' 3' 7.5'	159 78 40 30	2.3° 3.3° 4.3° 5.3°	2.0° 2.8° 3.7° 4.5°	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	167 94 60 42	3.1' 4.1' 5.1' 6.2'	1.5° 2.0° 2.5° 2.9°	5′ 7′ 9′ 11		170 87 52 35	2.5° 3.5° 4.5° 5.5°	1.7' 2.4' 3.1' 3.8'	
75W MR-16 NFL (EYJ)	<u> </u>	4900	4000	6 8 10 12		2.7' 3.5' 4.4' 5.3'	2.7' 3.5' 4.4' 5.3'		5′ 2.9 7′ 4.0 9′ 5.2 11′ 6.4	65 39	3.0' 4.2' 5.4' 6.6'	2.6′ 3.6′ 4.6′ 5.6′	2' 3' 4' 5'	3.5° 5.2° 6.9° 8.7	153 68 38 25	4.2' 6.2' 8.3' 10.4			5.0 7 7.0	69	9 4.7 5 6.5	" 3.1" " 4.4"	
75W MR-16 FL (EYC)	A2*	2100	4000	4 6 8	131 58 33	3.1' 4.6' 6.1' 7.7'	3.1' 4.6' 6.1'		3′ 1.7 5′ 2.9 7′ 4.0 9′ 5.2	152 55 28		2.7'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	263 66 29 16	5.5° 11.0 16.5 22.0	4.6		4.0	' 41	7.2 9.0	4.3	
MR-16 HAL	DGEN LOW \	/OLTAGE	BI-PIN L					(NON					_										
50W MR-16 NSP	۸ ۱۱۰	10,500	3500	8 12 16 20	r 41 r 26	1.5° 2.3° 3.1° 3.9°	3.1′ 3.9	1	7' 4.0' 0' 5.8' 3' 7.5' 6' 9.2	68 40 27	2.6° 3.3° 4.1°	1.6' 2.2' 2.9' 3.6'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'		3.2′ 4.0′ 4.8′	1.9° 2.3°	5 7 9	' 9.0 I' 11.0	76 46 7 31	2.7 3.5 4.3	1.9° 2.5° 3.0°	
50W MR-16 NFL		3000	3500	6° 8° 10 12	47 30 21	2.7° 3.5° 4.4° 5.3°	4.4' 5.3'		5' 2.9 7' 4.0 9' 5.2 1' 6.4	40 24 16	3.0° 4.2° 5.4° 6.6°	2.6' 3.6' 4.6' 5.6'	2° 3′ 4′ 5′	3.5' 5.2' 6.9' 8.7'	94 42 23 15	4.2' 6.2' 8.3' 10.4	3.5' 4.4'	3 5 7	7.0 7.0 9.0	42 22 13	4.7 6.5 8.4	3.1' 4.4' 5.6'	
50W MR-16		1900	3500	4 6 8 10	30	2.9' 4.4' 5.8' 7.3'	5.8'		3′ 1.7 5′ 2.9 7′ 4.0 9′ 5.2	25	3.0° 5.1° 7.1° 9.1°	2.5° 4.2° 5.9° 7.6°	1' 2' 3' 4'	1.7' 2.9' 4.0' 5.2'	238 59 26 15	4.8' 9.7' 14.5 19.3	2.9	3 4 5	4.0 5.0	27	6.7 8.4	4.1' 5.1'	

**Job Information** 

Type:

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