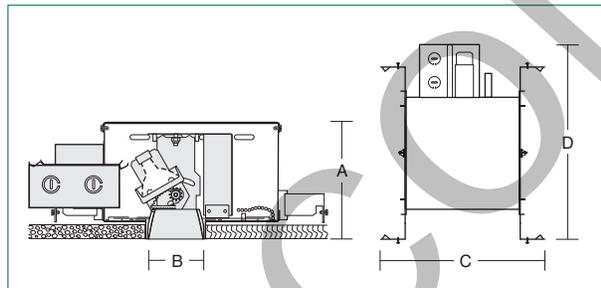


*Not visible from normal viewing angle.



Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D* Length	Lamp
H2216	6 1/8" 156mm	2 1/2" 63mm	12 1/2" 317mm	15 1/4" 387mm	MR-16 LED and Low Voltage up to 71W

*Minimum overall dimension, support rails extend to 26"

H2216

2 1/2" Square Directional Downlight MR-16 LED and Low Voltage Lamps to 71W

Optics and Applications

This square directional fixture creates dramatic effects from a small aperture. For accent and display lighting, MR-16 lamps with 8° to 65° beams can be rotated through 360° and tilted 30°. Specify with matching downlight and wall wash models, flanged and flush mount construction. Also see complementary small rectangles.

Design Features

The lamp is aimed by rotating a patent pending gear mechanism with a screwdriver which adjusts the orientation and angulation. Facilitates hot aiming. A second locking screw secures the final aimed position. Lampholder accommodates two accessories. It tilts to release the lamp then engages and positions its replacement without re-aiming. The fixture incorporates a patent pending aperture assembly which slides 1/4" in any direction and pivots 7° while maintaining optimum photometric performance. The housing is vented for cool operation. Fixture supplied with support rails. Maximum ceiling thickness is 7/8". Transformer top or bottom service. Relamp from bottom only. Listed by UL for thru wiring.

Finish

Optical matte black paint on the housing and outside trim surfaces suppress light leaks. Standard trim is Softglow® clear. Other colors are available, see below.

Transformer

Quiet operation is achieved by an integral 120V electronic transformer with thermal auto-reset. MR-16 LED and low voltage lamps to 71W. Maximum draw is 72W. 277V optional. For compatibility with LED lamps, contact factory.

General

Fixture is pre-wired and thermally protected, UL and C-UL listed, for damp location and eight wire, 90°C, branch circuit wiring. All products are union made. Designed and manufactured in the USA.

Warranty

5 Year Warranty. See www.kurtversen.com for details or select hyperlink.

Accessories

- SB Softglow black.
- SG Softglow gold.
- SW Softglow wheat.
- SY Softglow pewter.
- FR Frosted lens, specify type.
- WRL Wattage restriction label, specify wattage.
- FEW White painted flange extension frame.
- ET2 Integral electronic transformer 277V to 12V.
- FLT2 Full lens trim, specify lens type, e.g., H2216FLT2LL.
- FE Flange extension frame, Softglow® clear, colors available.
- FMH2 Flush mount drywall. For wood and other materials, contact factory.
- WT White trim flange.
- WHT White complete trim.
- UV Ultraviolet filter.
- SO Solite lens.
- LL Linear lens.
- HL Hexcell louver.

For remote transformer, contact factory.

H2216

Cut out dimensions: 2⁷/₈" x 2⁷/₈". Outer flange dimension: 3¹/₈".

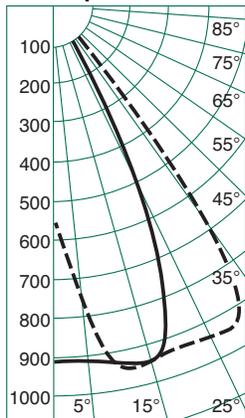
Footcandle Values at Nadir

Distance	6'			8'			10'			12'										
	Nadir	10°	15°																	
Lamps	FC	FC	Diam																	
H2216 35W FL/40/FMW 40°	18	17	2'	17	17	3'	10	10	3'	10	4'	6	6	4'	4	4	4'	4	6'	
H2216 50W NFL/25/EXZ 25°	76	46	2'	22	3'	43	26	3'	13	4'	27	17	4'	8	5'	19	12	4'	6	6'
H2216 50W FL/40/EXN 40°	25	25	2'	24	3'	14	14	3'	14	4'	9	9	4'	9	5'	6	6	4'	6	6'
H2216 65W FL/40/FPB 40°	29	28	2'	27	3'	16	16	3'	15	4'	10	10	4'	10	5'	7	7	4'	7	6'

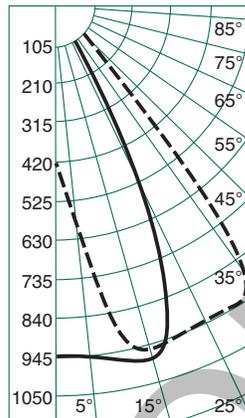
Distance	8'			12'			16'			20'										
	Nadir	5°	10°																	
Lamps	FC	FC	Diam																	
H2216 20W SP/8/ESX 8°	25	15	1'	6	3'	11	7	2'	3	4'	6	4	3'	1	6'	4	2	3'	1	7'
H2216 35W SP/8/FRB 8°	66	40	1'	15	3'	29	18	2'	7	4'	17	10	3'	4	6'	11	6	3'	2	7'
H2216 50W SP/15/EXT 15°	100	60	1'	23	3'	45	27	2'	10	4'	25	15	3'	6	6'	16	10	3'	4	7'
H2216 65W SP/10/FPA 10°	126	75	1'	28	3'	56	33	2'	13	4'	31	19	3'	7	6'	20	12	3'	5	7'

See note 3.

Candlepower Distribution



H2216 50W MR-16 EXN
Eff. 62% S/M .84



H2216 65W MR-16 FPB
Eff. 61% S/M .83

Candelas at Nadir

°	50W	65W
	916*	1050*
0	915	1048
5	921	1050
10	935	1065
15	959	1093
20	780	882
25	424	483
30	134	152
35	20	22
40	9	10
45	0	4
50	0	0
55	0	0
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

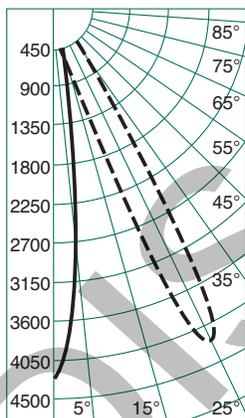
° Vertical Angles
* Initial Lamp Lumens

Brightness

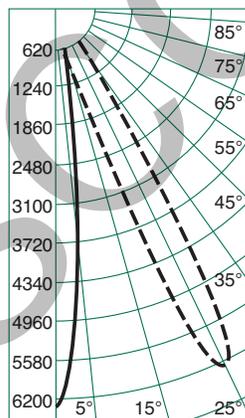
Number	Lamps	85°	75°	65°	55°	45°
		H2216	35W MR-16 FMW	5	25	56
	50W MR-16 EXZ	9	45	100	188	589
	50W MR-16 EXN	9	42	88	162	526
	65W MR-16 FPB	10	47	102	184	602

Number	Lamps	85°	75°	65°	55°	45°
		H2216	20W MR-16 ESX	1	8	19
	35W MR-16 FRB	3	19	48	89	259
	50W MR-16 EXT	5	36	92	163	492
	65W MR-16 FPA	7	51	130	230	697

Data in footcandelas. Photometer readings, Maximum Brightness Method. See note 4. Data collected with lamps tilted at 25°.



H2216 35W MR-16 FRB
Eff. 64% S/M .22



H2216 50W MR-16 EXT
Eff. 66% S/M .22

°	35W	50W
	595*	889*
0	4244	6431
5	2570	3898
10	1031	1563
15	461	708
20	240	364
25	78	122
30	24	40
35	5	12
40	0	0
45	0	0
50	0	0
55	0	0
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
* Initial Lamp Lumens

Notes

- All data with standard trim, Softglow® clear.
- Candlepower distribution curves: solid lines show horizontal distribution at nadir, dotted lines show horizontal distribution at 25° lamp tilt.
- Pattern diameters are determined from each side of nadir with 0° lamp tilt. The diameter includes both sides, so a 10° diameter represents a total 20° pattern width at the floor. Footcandles are measured at the diameter edge. Tilting the lamp changes all data.
- Average Luminance Method brightness data are inaccurate for downlights. They are theoretical calculations for large surfaces such as troffer lenses. Our brightness data derives from direct photometer readings which approximate what the eye perceives when evaluating glare.