

OM8H200A23MRIFLD/FLR

8" Horizontal A-Lamp Decorative Glass Downlights

CAT. NO:

TYPE:

PROJECT:

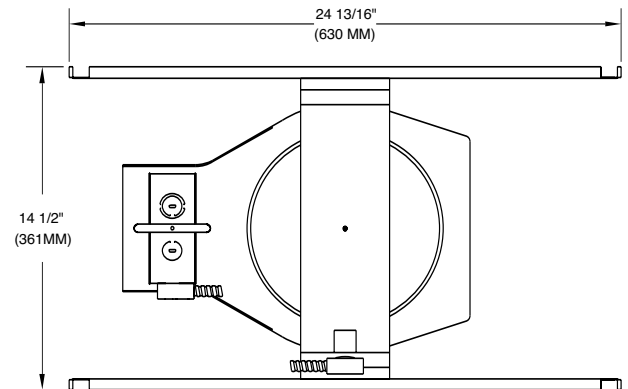
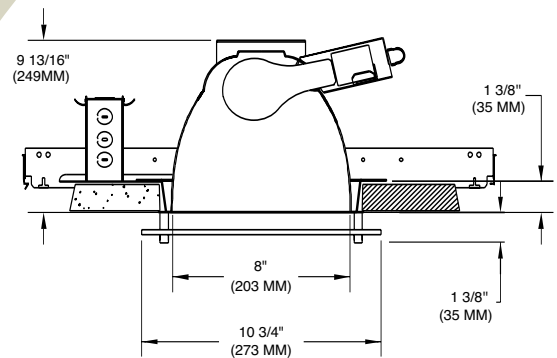
PRODUCT INFORMATION

Applications

A special application fixture constructed of non ferrous metals for use in Magnetic Resonance Imaging hospital facilities. The lens is placed in a fixed position with aluminum spacers to eliminate direct lamp image.

Specifications

- Mounting pan** - Precision die-formed 14 gauge aluminum mounting pan and yoke assembly.
- Installation** - Mounting pan has pre-installed C-channel with vertical and horizontal adjustments. Yoke adjusts for proper positioning of lamp within reflector. Junction box and mounting brackets are accessible from below ceiling.
- Reflectors** - Precision spun .051 aluminum reflector, self flanged with clear specular Alzak finish. Reflector is screw mounted for positive attachment to socket assembly. Standard flat flange is painted white. Standard flat flange is polished with matching reflector finish.
- Glass trim** - 1/4" thick tempered glass trim with silkscreen ceramic glaze.
- Socket** - Medium base 250V porcelain socket with nickel-plated copper screw shell and 200°C wire positions lamp at optical focal plane of reflector for maximum performance.
- Junction box** - Extra large 43.75-cubic inch 14 gauge aluminum with snap-on covers. Approved for through wiring with up to 8 #12 AWG conductors.
- Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
- U.L. Listed** - For use in damp locations and approved for Through Branch Circuit Wiring. I.B.E.W. union made.



* Canadian Specifications may vary from these shown, consult Canadian Division.

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CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM8H200A23MRIFLD-CSFF

OMEGA Apr.	Lamp Position	Lamp (by others)	Product Family	Glass Option	Reflector Finish*
OM8	H Horizontal	200 A23 150 A21	MRI Magnetic Resonance Imaging	FLD Floating Luminous Disk FLR Floating Luminous Ring	CS Clear Specular CSS Clear Semi-Specular HZ Haze GS Champagne Gold Specular WT Wheat PW Pewter FF Finish Flange (As suffix to color)



FIVE YEAR
Warranty

*Consult factory for other reflector finishes.

OM8H200A23MRIFLD-CSFF Photometric Data**Decorative Lens with Floating Luminous Disk**

Report Number: 21445

Lamp: 200W A23

Total Lumens: 3800

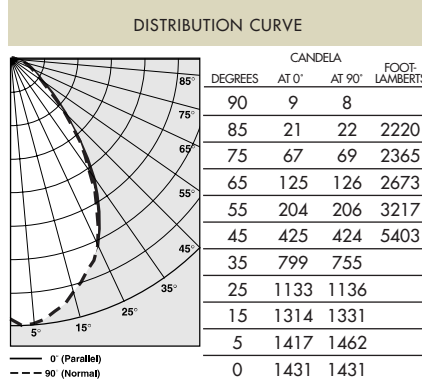
Fixture Efficiency: = 60.9%

IES File: F21445.IES

S/MH Ratio = 1.1, 1.1

Beam Angle: 74.03

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	47.3	8-4
10	25.4	11-4
12	15.9	14-4
14	10.8	17-4
16	7.9	20-4

**COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	72	75	70	70	68	68		
1	65	63	64	61	61	59		
2	58	56	57	55	56	53		
3	53	48	52	48	51	47		
4	48	44	47	44	46	42		
5	44	40	44	39	42	39		
6	40	35	40	35	39	34		
7	38	33	36	33	35	32		
8	34	29	34	29	34	29		
9	32	28	32	28	30	28		
10	29	26	29	26	28	26		

OM8H200A23MRIFLR-CSFF Photometric Data**Decorative Lens with Floating Luminous Ring**

Report Number: 21446

Lamp: 200W A23

Total Lumens: 3800

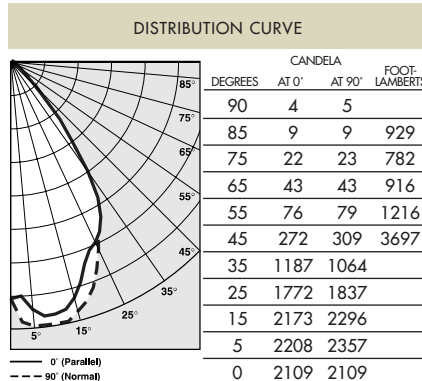
Fixture Efficiency: = 76.0%

IES File: F21446.IES

S/MH Ratio = 1.1, 1.1

Beam Angle: 71.43

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	69.7	7-11
10	37.5	10-9
12	23.4	13-8
14	15.9	16-6
16	11.6	19-5

**COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	90	90	88	88	83	83		
1	82	81	81	80	79	77		
2	77	72	76	71	72	69		
3	70	67	69	66	68	65		
4	66	60	65	60	63	59		
5	60	56	59	56	58	55		
6	56	52	56	52	55	51		
7	53	47	53	47	52	46		
8	50	45	48	45	47	44		
9	46	41	46	41	45	40		
10	44	39	42	39	42	39		

*Readings at working plane, 2'6" above floor. Beam Angle and Diameter Cutoff at 50% of max.
Candlepower Coefficients used at effective reflectances of: 70% Ceiling, 50% Walls, 20% Floor

Additional photometric test files are available @ omegalighting.com

OMEGA
LIGHTING

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