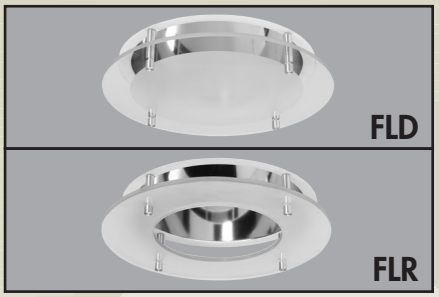
OM8200A23MRIFLD/FLR

8" A-Lamp Reflector Decorative Glass Downlights



CAT. NO:

TYPE: **PROJECT:**

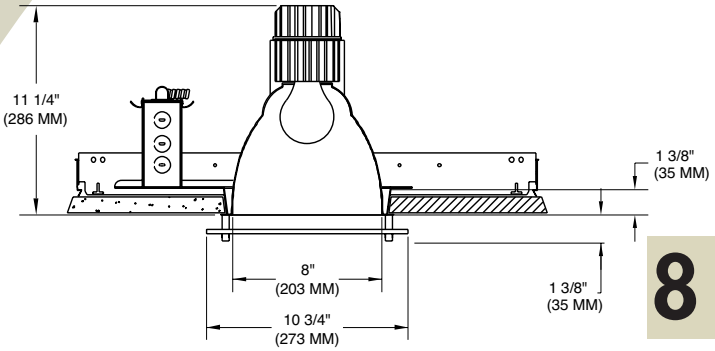
PRODUCT INFORMATION

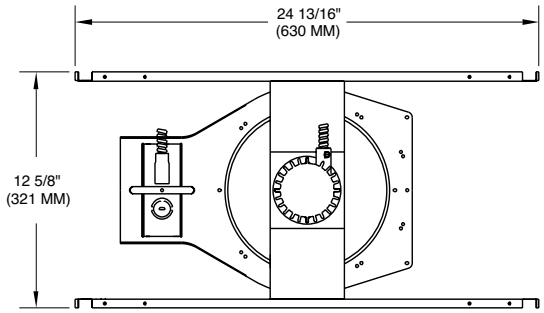
Applications

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

1. **Mounting pan** - Precision die-formed 14 gauge aluminum mounting pan and yoke assembly.
2. **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.
3. **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.
4. **Glass trim** - 1/4'' thick tempered glass trim with silkscreen ceramic glaze.
5. **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.
6. **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.
7. **Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
8. **U.L. Listed** - For use in damp locations and approved for Through Branch Circuit Wiring. I.B.E.W. union made.





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

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **OM8200A23MRIFLD-CSFF**

OMEGA Aptr.	Lamp (by others)	Product Family	Glass Option		Reflector Finish*
OM8	_____	MRI	_____	-	_____
	200 A23	Magnetic	FLD Floating Luminous Disk		CSFF Clear Specular
	150 A21	Resonance	FLR Floating Luminous Ring		Finish Flange
		Imaging			

made with pride in the United States of America

FIVE YEAR Warranty

*Consult factory for other reflector finishes.

OM8200A23MRIFLD-CSFF Photometric Data

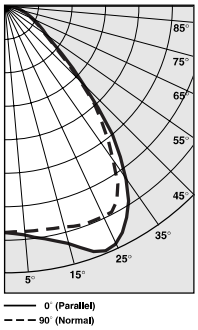
Decorative Lens with Floating Luminous Disk

Report Number: 21443
Lamp: 200W A23
Total Lumens: 3800
Fixture Efficiency: = 57.4%
IES File: F21443.IES
S/MH Ratio = 1.4, 1.3
Beam Angle: 89.65

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	31.6	10-11
10	17.0	14-11
12	10.6	18-11
14	7.2	22-10
16	5.3	26-10

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	9	10	
85	20	23	2220
75	67	64	2278
65	132	128	2768
55	218	211	3366
45	476	458	5944
35	897	802	
25	1110	982	
15	1037	966	
5	970	956	
0	957	957	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	68	68	67	67	64	64
1	60	58	59	57	57	56
2	55	52	54	51	52	48
3	48	45	48	45	46	44
4	45	40	44	40	42	39
5	40	35	40	35	39	34
6	36	32	35	32	34	32
7	34	28	33	28	33	28
8	30	27	30	27	29	26
9	28	23	28	23	28	23
10	27	22	26	22	26	22

OM8200A23MRIFLR-CSFF Photometric Data

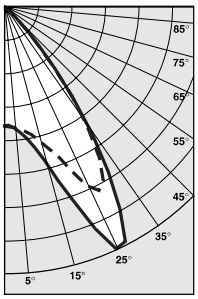
Decorative Lens with Floating Luminous Ring

Report Number: 21444
Lamp: 200W A23
Total Lumens: 3800
Fixture Efficiency: = 68.5%
IES File: F21444.IES
S/MH Ratio = 1.5, 1.5
Beam Angle: 83.11

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	35.7	9-9
10	19.2	13-4
12	12.0	16-10
14	8.2	20-5
16	5.9	23-11

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	4	5	
85	7	9	826
75	20	19	678
65	40	39	841
55	76	75	1185
45	304	288	3767
35	1403	1332	
25	2425	1791	
15	1443	1260	
5	1101	1100	
0	1081	1081	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	81	81	80	80	76	76
1	75	72	72	71	70	68
2	68	65	67	64	65	63
3	63	58	61	57	59	56
4	57	53	56	53	55	52
5	53	47	52	47	51	46
6	48	44	47	44	46	42
7	45	40	45	40	44	40
8	41	36	40	36	40	36
9	39	34	39	34	38	34
10	35	32	35	30	34	30

*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

OMEGA LIGHTING:
776 South Green St., Tupelo, MS 38804
Phone 662.842.7212 FAX 662.841.5501

CANADIAN DIVISION:
189 Bullock Drive, Markham, Ontario, Canada L3P 1W4
Phone 905.294.9570 FAX 800.268.0003