

OM6H150A21MRI

6" Horizontal A-Lamp Reflector Downlights

CAT. NO:

TYPE:

PROJECT:

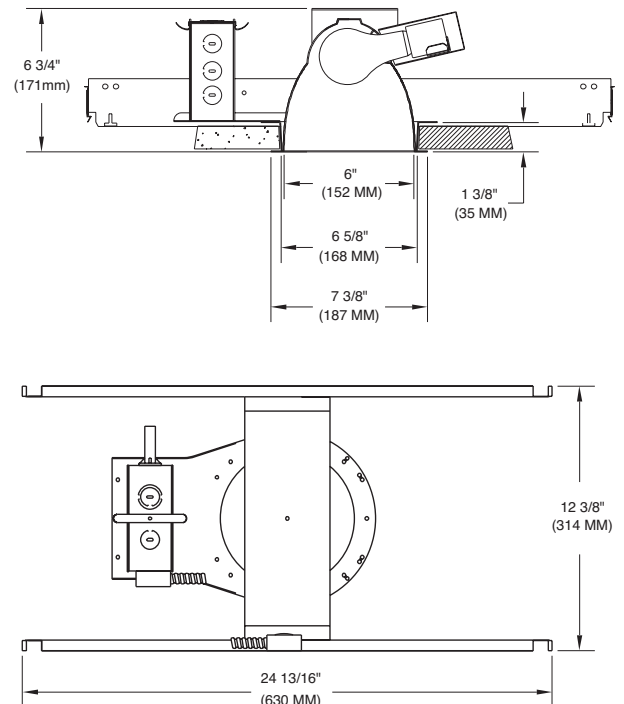
PRODUCT INFORMATION

Applications

A special application fixture constructed of non ferrous metals for use in Magnetic Resonance Imaging hospital facilities.

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. 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.
- Baffle** - Precision machined .051 aluminum with deep grooves to eliminate aperture glare, anodized matte black or matte white finish. Standard flat flange is painted white. Optional black flange available, add FF to catalog number.
- 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.

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **OM6H150A21MRI-CS**

OMEGA Aptr.	Lamp Position	Lamp (by others)	Product Family	Reflector Option	Reflector Finish*
OM6	H Horizontal	150 A21 100 A19	MRI Magnetic Resonance Imaging	BB Black Baffle	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.

OM6H150A21MRI-CS Photometric Data**Clear Specular Reflector**

Report Number: 20945

Lamp: 150W A21

Total Lumens: 2850

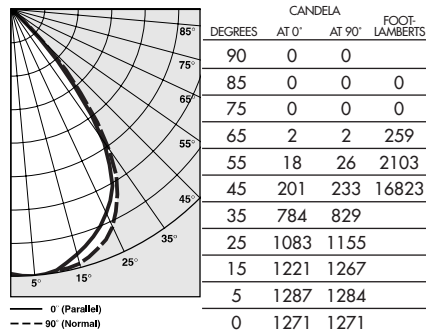
Fixture Efficiency: = 58.9%

IES File: F20945.IES

S/MH Ratio = 1.2, 1.2

Beam Angle: 75.81

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	42.0	8-7
10	22.6	11-8
12	14.1	14-10
14	9.6	17-11
16	7.0	21-0

DISTRIBUTION CURVE**COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	69	69	68	68	65	65		
1	65	63	64	61	60	59		
2	59	56	58	56	56	55		
3	55	52	55	52	53	51		
4	51	47	51	46	48	46		
5	47	44	46	44	46	42		
6	44	40	40	36	40	36		
7	40	36	40	36	40	36		
8	38	34	38	34	36	34		
9	35	32	35	32	34	32		
10	34	29	33	29	33	29		

OM6H150A21BBMRI-CS Photometric Data**Clear Specular Reflector with Black Baffle**

Report Number: 20944

Lamp: 150W A21

Total Lumens: 2850

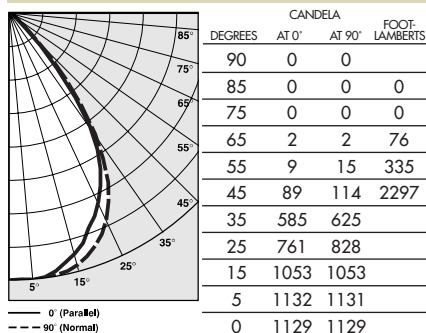
Fixture Efficiency: = 46.1%

IES File: F20944.IES

S/MH Ratio = 1.1, 1.1

Beam Angle: 71.63

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	37.3	7-11
10	20.1	10-10
12	12.5	13-9
14	8.5	16-7
16	6.2	19-6

DISTRIBUTION CURVE**COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	55	55	54	54	51	51		
1	51	50	50	48	47	46		
2	46	45	46	45	45	42		
3	44	40	42	40	41	40		
4	40	38	40	38	39	36		
5	38	34	36	34	36	34		
6	34	32	34	32	34	32		
7	33	29	33	29	32	29		
8	30	28	30	28	29	28		
9	28	26	28	26	28	26		
10	27	23	27	23	27	23		

*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

To convert values for optional reflector colors, multiply by:
Gold .90 Bronze .82 Pewter .87

Additional photometric test files are available @ omegalighting.com

OMEGA
LIGHTING

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