

OM6H150A21

6" Horizontal A-Lamp Reflector Downlights

CAT. NO:

TYPE:

PROJECT:

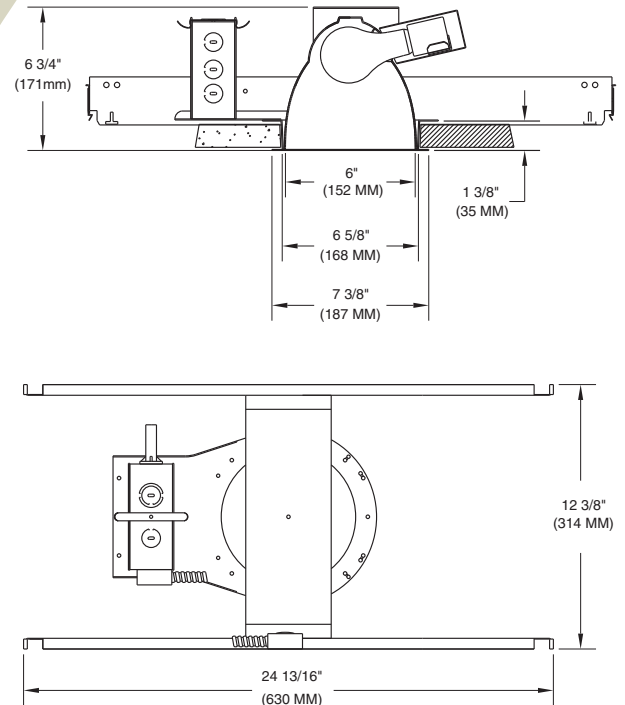
PRODUCT INFORMATION

Applications

A shallow housing open reflector downlight for use with economical A type incandescent lamps. Provides a broad, uniform light distribution with high efficiency. Excellent for use in shallow plenum spaces and for areas such as lobbies, corridors, reception areas, restaurants and offices.

Specifications

- Mounting pan** - Precision die-stamped 16 gauge galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 1-3/8" thick.
- 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. Optional polished flange matching reflector finish available, add FF to catalog number.
- 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 16 gauge galvanized steel 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: OM6H150A21-CS-120/277

OMEGA Apr.	Lamp Position	Lamp (by others)	Reflector Option	Reflector Finish*	Frame Options**	Slope Adapter Angle
OM6	H Horizontal	150 A21 100 A19	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)	FB Flat Bar Hangers SA6 Sloped Ceiling Adapter	5 10 15 20 25 30



FIVE YEAR
Warranty

*Consult factory for other reflector finishes.

OM6H150A21-CS

Photometric Data

Clear Alzak® Reflector

Report Number: 20945

Lamp: (1)150W A21

Total Lumens: 2850

Fixture Efficiency: = 58.9%

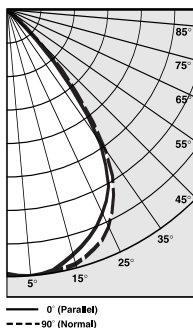
IES File: F20945.IES

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



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	0	0	0
65	2	2	259
55	18	26	2103
45	201	233	16823
35	784	829	
25	1083	1155	
15	1221	1267	
5	1287	1284	
0	1271	1271	

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	44	40		42	40	
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	

OM6H150A21BB-CS

Photometric Data

Clear Alzak® Reflector

Report Number: 20944

Lamp: (1)150W A21

Total Lumens: 2850

Fixture Efficiency: = 46.1%

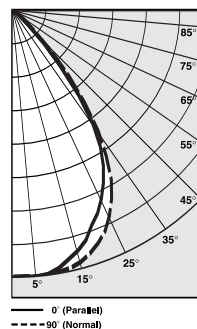
IES File: F20944.IES

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



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	0	0	0
65	2	2	76
55	9	15	335
45	89	114	2297
35	585	625	
25	880	960	
15	1053	1102	
5	1132	1131	
0	1129	1129	

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

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