

OM6H150A21FLD/FLR/FPR

6" Horizontal A-Lamp Decorative Trim Downlights

CAT. NO:

TYPE:

PROJECT:

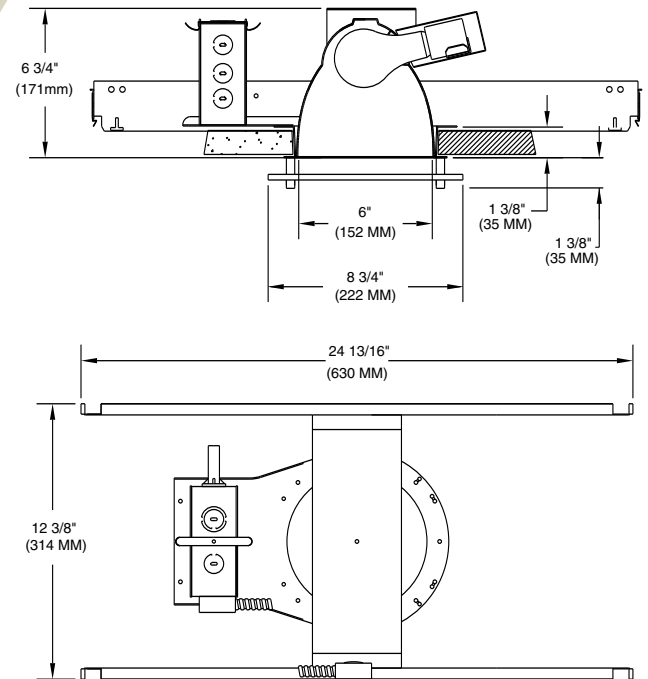
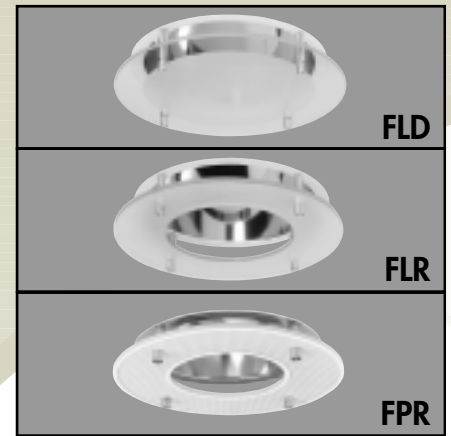
PRODUCT INFORMATION

Applications

A tempered soda lime glass trim features a silk screened center disk with a solid clear outer ring. The trim is placed in a fixed position with aluminum spacers to eliminate direct lamp image.

Specifications

- Mounting pan** - Precision die-formed 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. Standard flat flange is polished with matching reflector finish.
- 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.
- Decorative Trim** - Glass Trim: 1/4" thick tempered with silk screened ceramic glaze. Perforated Trim: 18 gauge perforated steel ring, powder coated enamel finish with color coordinated rubber edges.
- Junction box** - Extra large 43.75-cubic inch 14 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.

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CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM6H150A21FLD-CSFF

OMEGA Apr.	Lamp Position	Lamp (by others)	Reflector Option	Reflector Option	Reflector Finish*	Frame Options
OM6	H Horizontal	150 A21 100 A19	BB Black Baffle	FLD FLR FPR	CSFF Clear Specular Finish Flange	FB Flat Bar Hanger



FIVE YEAR
Warranty

*Consult factory for other reflector finishes.

OM6H150A21FLD-CSFF Photometric Data**Decorative Lens with Floating Luminous Disk**

Report Number: ITL50730

Lamp: (1) 150W A21

Total Lumens: 2850

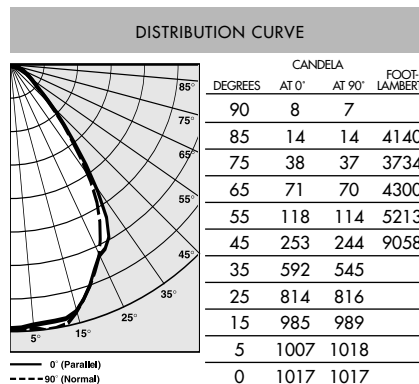
Fixture Efficiency: = 57.6%

IES File: ITL50730.IES

S/MH Ratio = 1.1, 1.1

Beam Angle: 71.82

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	33.6	8-3
10	18.1	11-3
12	11.3	14-3
14	7.7	17-2
16	5.6	20-2

**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		66	66		61	61	
1	60	58		59	57		56	56	
2	55	52		59	57		56	56	
3	50	46		48	46		46	44	
4	46	41		45	40		42	40	
5	41	38		40	36		40	35	
6	39	34		38	34		36	33	
7	35	32		34	30		34	30	
8	32	28		33	28		32	28	
9	30	27		29	27		29	26	
10	28	25		28	25		28	23	

OM6H150A21FLR-CSFF Photometric Data**Decorative Lens with Floating Luminous Ring**

Report Number: ITL50731

Lamp: (1) 150W A21

Total Lumens: 2850

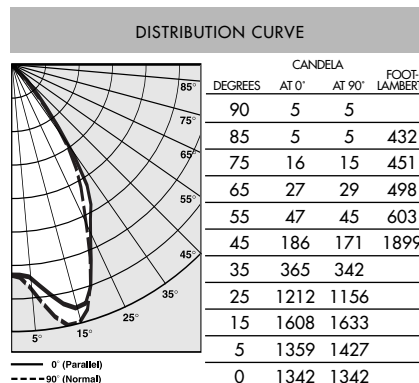
Fixture Efficiency: = 66.0%

IES File: ITL50731.IES

S/MH Ratio = 1.1, 1.1

Beam Angle: 70.38

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	44.4	7-9
10	23.9	10-7
12	14.9	13-5
14	10.1	16-3
16	7.4	19-0

**COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20									
RC	80			70			50		
RW	50	30		50	30		50	30	
0	78	78		76	76		71	71	
1	71	69		69	68		67	65	
2	66	63		65	61		61	59	
3	60	56		59	56		57	55	
4	56	52		55	52		54	50	
5	52	47		51	47		50	46	
6	48	44		47	44		46	42	
7	45	40		45	40		44	40	
8	42	38		41	38		40	36	
9	40	35		39	34		39	34	
10	36	33		36	33		35	33	

*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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