

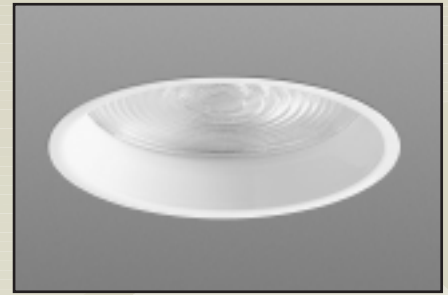
OM6150A21SPL

6" A-Lamp Splay Lens Downlights

CAT. NO:

TYPE:

PROJECT:



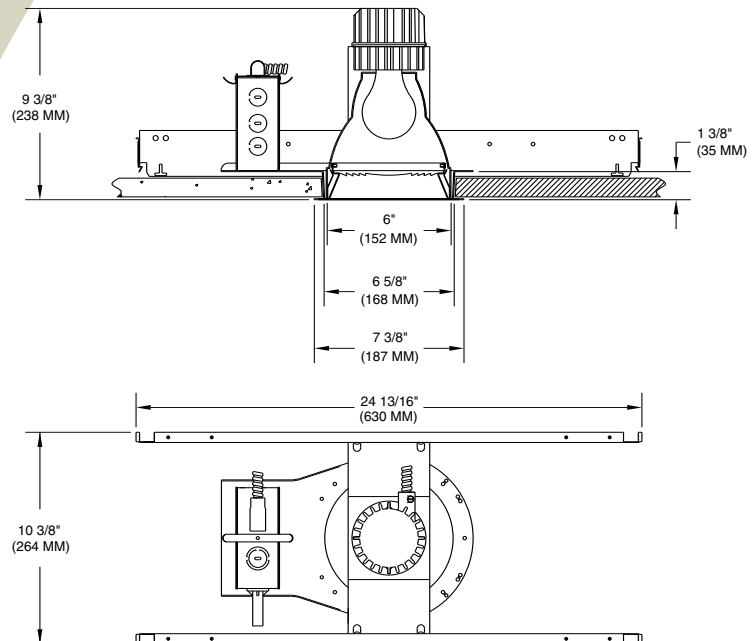
PRODUCT INFORMATION

Applications

A soft edged, lensed downlight for use with economical A type incandescent lamps. Provides broad, uniform light distribution while concealing lamp image and maintaining good visual cutoff. Ideal for areas such as lobbies, corridors, canopies, soffits, 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. Yoke adjusts for proper positioning of lamp within reflector. Junction box and mounting brackets are accessible from below ceiling.
- Splay Lens** - Spun aluminum regressed splay trim with white powder paint finish. Torsion spring mounting for ease of installation. Flat fresnel and prismatic lens for smooth, even distribution of light. Flat clear lens for enclosed applications.
- Socket enclosure** - Die cast aluminum heat sink, 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 wet locations in covered ceiling applications only. 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: OM6H150A21SPL-FL

OMEGA Aptr.	Lamp (by others)	Reflector Type	Lens (required)	Frame Options**	Sloped Ceiling Adapter Angle
OM6	100 A19 150 A21	-	-	-	-
		SPL Splay Lens (white)	FL Fresnel Lens	FB Flat Bar Hangers	5
		CSSPL Clear Semi-Specular	PL Prismatic Lens	SA6 Sloped Ceiling Adapter	10
		BBSPL Black Baffle Splay	CL Clear Lens		15
		BKSPL Splay Lens (black)			20
					25
					30



FIVE YEAR
Warranty

*Consult factory for other reflector finishes.

OM6150A21SPL-FL

Photometric Data

Fresnel Lens with White Regressed Splay

Report Number: 20744

Lamp: (1) 150W A21

Total Lumens: 2850

Fixture Efficiency: = 43.9%

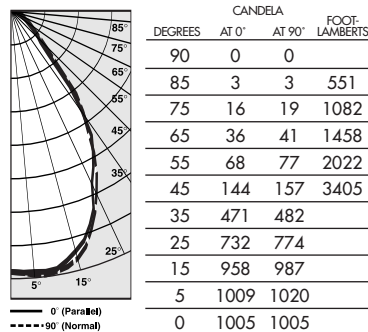
IES File: F20744.IES

S/MH Ratio = 1.0, 1.0

Beam Angle: 68.53

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	33.2	7-6
10	17.9	10-3
12	11.1	12-11
14	7.6	15-8
16	5.5	18-5

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	52	52	51	51	48	48		
1	47	46	46	46	45	44		
2	44	41	42	40	41	40		
3	40	38	40	36	39	36		
4	36	34	36	34	35	33		
5	34	30	34	30	33	30		
6	32	28	32	28	30	28		
7	29	27	28	27	28	26		
8	28	25	27	25	27	23		
9	26	23	26	23	25	23		
10	23	22	23	22	23	20		

OM6150A21SPL-PL

Photometric Data

Prismatic Lens with White Regressed Splay

Report Number: 20743

Lamp: (1) 150W A21

Total Lumens: 2850

Fixture Efficiency: = 47.9%

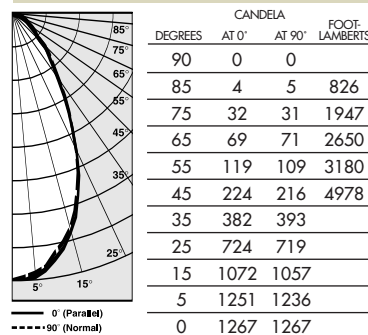
IES File: F20743.IES

S/MH Ratio = 0.8, 0.8

Beam Angle: 54.65

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	41.9	5-8
10	22.5	7-9
12	14.0	9-10
14	9.6	11-11
16	7.0	13-11

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	56	56	56	56	53	53		
1	52	50	51	48	48	47		
2	46	45	46	44	45	42		
3	42	40	41	40	40	39		
4	40	35	39	35	38	34		
5	35	33	35	33	34	32		
6	34	29	33	29	33	29		
7	30	28	30	28	29	28		
8	28	26	28	26	28	26		
9	27	23	27	23	27	23		
10	26	23	26	23	25	22		

*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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