

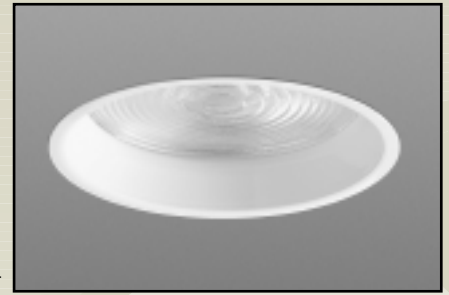
OM6H150A21SPL

6" Horizontal A-Lamp Splay Lens Downlights

CAT. NO:

TYPE:

PROJECT:



PRODUCT INFORMATION

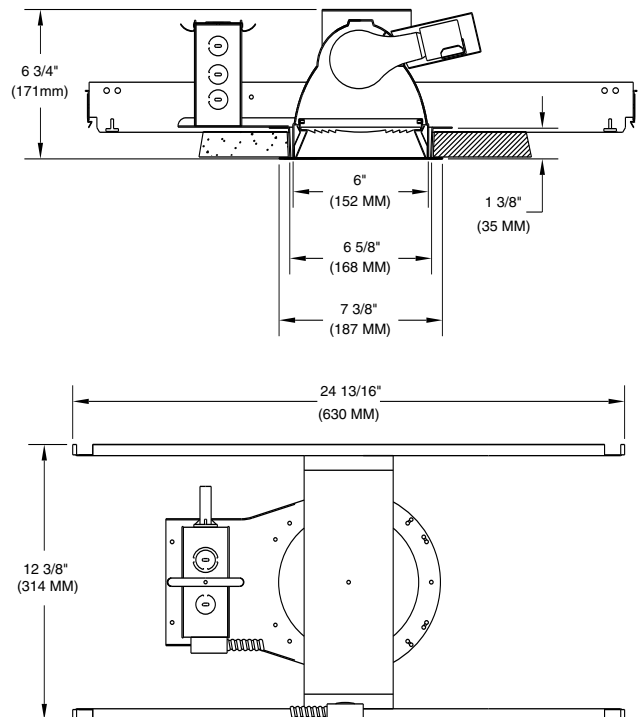
Applications

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.

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. Yoke adjusts for proper positioning of lamp within reflector. 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.
- 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 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 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.



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CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM6H150A21SPL-FL

OMEGA Apr.	Lamp Position	Lamp (by others)	Reflector Type	Lens Type (required)	Frame Options**
OM6	H Horizontal	100 A19 150 A21	SPL Splay Lens (white) CSSPL Clear Specular Splay BBSPL Black Baffle Splay BKSPL Splay Lens (black)	FL Fresnel Lens PL Prismatic Lens CL Clear Lens	FB Flat Bar Hangers



FIVE YEAR
Warranty

*Consult factory for other reflector finishes.

OM6H150A21SPL-FL Photometric Data**Fresnel Lens with Regressed Splay**

Report Number: ITL50726

Lamp: (1) 150W A21

Total Lumens: 2850

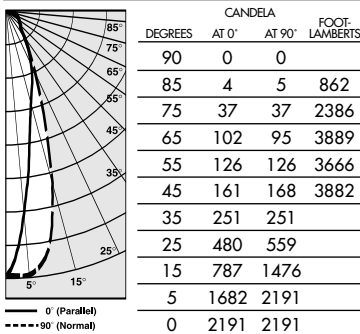
Fixture Efficiency: = 43.9%

IES File: ITL50726.IES

S/MH Ratio = 0.3, 0.6

Beam Angle: 27.36

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	72.4	2-8
10	39.0	3-8
12	24.3	4-7
14	16.6	5-7
16	12.0	6-7

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

OM6H150A21SPL-PL Photometric Data**Prismatic Lens with Regressed Splay**

Report Number: ITL50727

Lamp: (1) 150W A21

Total Lumens: 2850

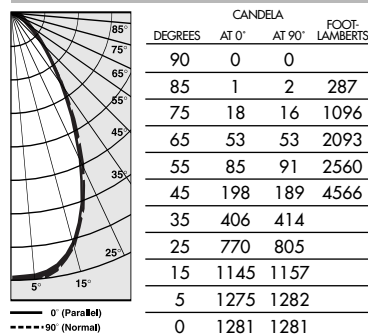
Fixture Efficiency: = 47.7%

IES File: ITL50727.IES

S/MH Ratio = 0.9, 0.9

Beam Angle: 56.66

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	42.3	5-11
10	22.8	8-1
12	14.2	10-3
14	9.7	12-5
16	7.0	14-7

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 51	51 50	48 47
2	47 45	46 45	45 42
3	44 40	42 40	41 40
4	40 36	40 36	39 35
5	36 34	36 34	35 33
6	34 30	34 30	34 30
7	32 28	32 28	30 28
8	29 27	29 27	28 27
9	28 25	28 25	28 25
10	27 23	27 23	26 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

Additional photometric test files are available @ omega-lighting.com

OMEGA
LIGHTING

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