OM6150A21TR

6'' Downlights -Top Relamping

CAT. NO:

TYPE: **PROJECT:**

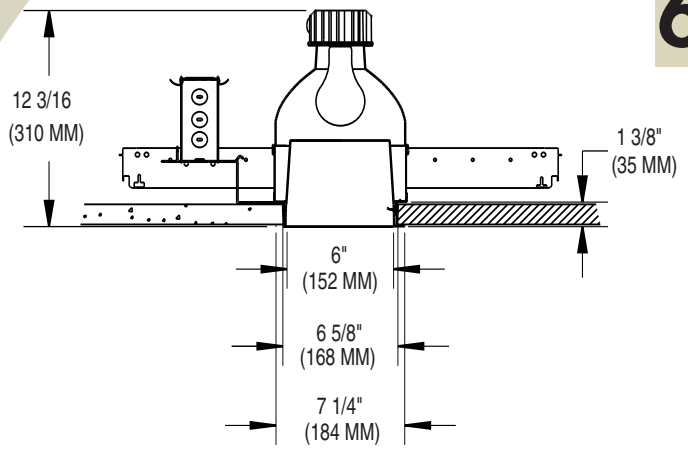
PRODUCT INFORMATION

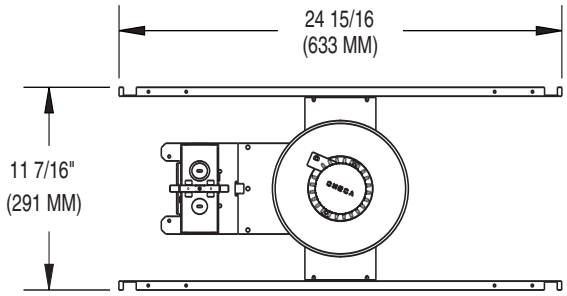
Applications

Low brightness downlight suitable for general lighting in auditoriums, schools, churches, restaurants, hotels, offices or retail applications. Upper reflector design allows for use with economical A type lamps for higher ceiling applications.

Specifications

1. **Mounting pan** - Precision die-formed 20 gauge galvanized steel mounting pan.
2. **Housing** - 20 gauge bonderized steel lower housing, baked-on matte black finish with upper clear specular Alzak reflector. Three (3) trim retainer clips riveted to housing at 120° secure reflector to fixture.
3. **Installation** - Mounting pan has pre-installed C-channel with vertical and horizontal adjustments. Junction box and mounting brackets are accessible from below ceiling.
4. **Trim** - Precision spun .051 aluminum, self flanged with clear specular Alzak finish. Standard is flat flange painted white. Optional polished flange matching finish available, add FF to catalog number.
5. **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.
6. **Socket enclosure** - Die cast aluminum heat sink, medium base 250V porcelain socket with nickel-plated copper screw shell and 200°C wire.
7. **Installation** - Mounting pan has pre-installed C-channel with vertical and horizontal adjustments. Junction box and mounting brackets are accessible from below ceiling.
8. **Relamping** - Bottom and top relampable.
9. **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.
10. **Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
11. **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: **OM6150A21TR-CS**

OMEGA Aptr.	Lamp (by others)	Top Relamping	Reflector Option	Reflector Finish*	Frame Options	Slope Adapter Angle
OM6	150 A21	TR	**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**

made with pride in the United States of America

FIVE YEAR Warranty

*Consult factory for other reflector finishes. **Black Baffle available with Clear Specular Reflector finish only. .

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

omegalighting.com

OM6150A21TR-CS — Photometric Data

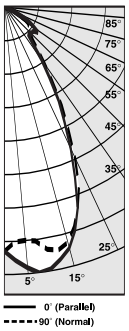
Clear Specular Reflector

Report Number: 21912
Lamp: (1) 150WA21
Total Lumens: 2850
Fixture Efficiency: = 63.2%
IES File: F21912.IES
S/MH Ratio = 0.9, 0.9
Beam Angle: 57.12

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	54.3	5-12
10	29.2	8-2
12	18.2	10-4
14	12.4	12-6
16	9.0	14-8

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	0	0	
85	0	0	0
75	5	9	433
65	29	58	1647
55	243	195	6109
45	261	247	5747
35	432	468	
25	1053	1119	
15	1679	1639	
5	1758	1575	
0	1642	1642	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	75	75	72	72	69	69
1	68	67	68	66	65	64
2	63	59	61	58	59	57
3	57	54	56	54	55	53
4	53	48	53	48	51	47
5	48	45	48	45	47	44
6	46	41	45	40	44	40
7	42	39	41	38	41	38
8	40	35	40	35	39	34
9	38	33	36	33	36	33
10	34	30	34	30	34	30

OM6150A21TRBB-CS — Photometric Data

6

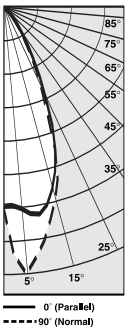
Clear Specular Reflector with Black Baffle

Report Number: 21921
Lamp: (1) 150WA21
Total Lumens: 2850
Fixture Efficiency: = 35.3%
IES File: F21921.IES
S/MH Ratio = 0.8, 0.8
Beam Angle: 48.55

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	46.0	4-12
10	24.8	6-9
12	15.4	8-7
14	10.5	10-4
16	7.6	12-2

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	0	0	
85	0	0	0
75	0	0	0
65	0	0	0
55	15	10	1195
45	63	50	4380
35	232	221	
25	698	634	
15	1320	1399	
5	1414	1871	
0	1393	1393	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	41	41	40	40	39	39
1	39	38	39	38	36	36
2	36	35	35	34	34	34
3	34	33	34	33	33	32
4	33	30	32	30	30	29
5	30	28	29	28	29	28
6	28	26	27	26	27	25
7	28	26	27	26	27	25
8	26	23	26	23	26	23
9	25	23	25	23	23	23
10	23	22	23	22	23	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

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

Additional photometric test files are available @ omegalighting.com

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