

Stunning Wall Wash Effect

Specifications

Lamp / Socket

- Designed for 1 offset tungsten halogen lamp (by others): 250W maximum PAR 38.
- Rated 4200 hour life. 100 CRI.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Trim Assembly

- Self-flanged parabolic specular Alzak® aluminum reflector.
- C#73 tempered prismatic glass lens.
- Optional reflector finishes, colors and square trim available.

Aluminum Housing

- Cool. Acrylic enameled 100% aluminum.
- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Dissipates heat across entire surface area extending component life.

- Entire luminaire visible and serviceable from below through aperture.
- Built-in plaster frame. Also see Option -79.
- Outlet Box and Thermal Protection**
- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with 1/2" and 3/4" knockouts.
- Thermal protector (per current NEC) provides automatic cut-off if rated wattage is exceeded.

Installation

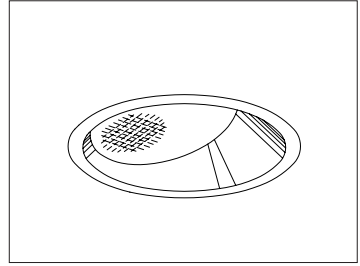
- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2).
- Recesses indoor or outdoor in covered ceilings.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

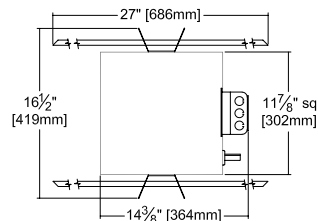
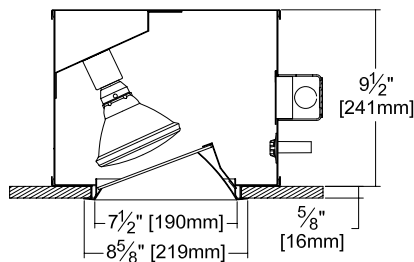
- Complete standard fixture.



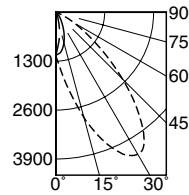
Recessed Round
Lensed
Wall Wash

Performance at a Glance

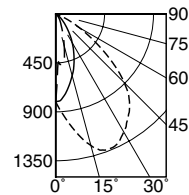
IRR-07090



Exceptional
Energy
Efficiency



WALL > --- 0°
--- 90°
--- 180°



Ceiling Cut-out
8" Dia.

IRR-07090 (250W Flood)

DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE					MULTIPLE FIXTURES				
	1'	2'	3'	4'		3' CENTERS	4' CENTERS	3' CENTERS	4' CENTERS	
FIXTURE INSTALLED 3' FROM WALL Footcandle Distribution on Wall Surface										
1	9.7	7.1	4.1	3.4	3.0	21.2	18.5	21.2	18.1	13.4
2	54.2	34.3	12.6	5.0	3.0	68.9	50.0	68.9	63.1	30.4
3	91.2	63.9	25.9	9.2	4.3	114.0	94.4	114.0	103.0	57.2
4	85.4	62.5	31.3	13.1	5.9	117.0	102.0	117.0	100.0	68.4
5	61.3	48.3	27.5	13.7	7.1	94.5	88.2	94.5	78.7	61.5
6	39.9	33.9	21.9	12.4	7.2	70.9	70.0	70.9	57.6	50.7
7	26.2	23.4	16.8	10.6	6.7	53.9	54.5	53.9	43.0	40.8
8	17.9	16.5	12.9	8.9	6.1	42.3	43.1	42.3	33.5	33.0
9	13.0	12.2	10.2	7.6	5.7	34.7	35.5	34.7	27.5	27.5

EFFICIENCY: 66.0%

ITL TEST #46988

IRR-07090 (120W Wide Flood)

DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE					MULTIPLE FIXTURES				
	1'	2'	3'	4'		3' CENTERS	4' CENTERS	3' CENTERS	4' CENTERS	
FIXTURE INSTALLED 3' FROM WALL Footcandle Distribution on Wall Surface										
1	4.7	3.5	2.1	1.6	1.3	10.1	9.0	10.1	8.6	6.6
2	23.3	15.6	6.5	2.6	1.5	30.7	24.2	30.7	27.6	15.4
3	32.6	24.6	11.5	4.6	2.2	44.2	39.9	44.2	38.5	25.7
4	25.3	21.9	13.1	6.2	3.0	40.5	41.1	40.5	33.0	29.3
5	17.8	16.1	11.2	6.4	3.5	33.7	34.6	33.7	26.5	25.8
6	12.6	11.5	8.8	5.7	3.6	27.5	27.9	27.5	21.5	21.4
7	9.1	8.4	6.8	4.9	3.3	22.4	22.7	22.4	17.6	17.6
8	6.8	6.4	5.4	4.1	3.0	18.7	18.8	18.7	14.7	14.7
9	5.3	5.0	4.4	3.6	2.8	16.1	16.2	16.1	12.8	12.8

EFFICIENCY: 59.9%

ITL TEST #47254

THE KIRLIN COMPANY

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(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

TUNGSTEN HALOGEN &
INCANDESCENT LIGHTING

MAXIMUM WATTAGE

250

CATALOG NUMBER

IRR-07090

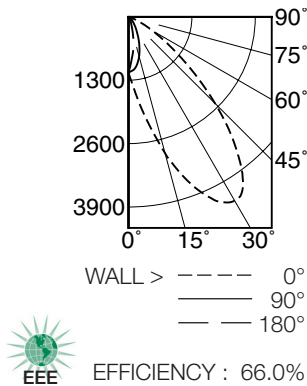
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

IRR-07090 (250W Flood)

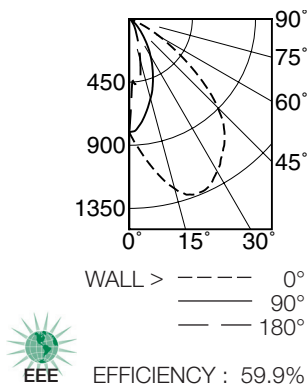


CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1142	1142	1142	1142	1142
5	1544	1398	1097	903	836
15	2893	1928	839	439	337
25	4140	2026	477	171	108
35	4089	1570	234	82	57
45	2511	927	108	41	37
55	1026	351	43	21	17
65	272	89	18	1	0
75	26	9	3	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION						
RF	20					
RC	80			50		
RW	70	50	30	10	50	30
1	74	72	70	68	67	66
2	69	65	62	59	61	59
3	64	59	55	51	56	53
4	60	53	49	45	51	48
5	56	49	44	40	47	43
6	52	45	41	36	43	39
7	48	41	36	32	39	35
8	45	38	33	29	36	32
9	43	35	30	27	34	30
10	40	32	28	24	31	27

ITL TEST #46988

IRR-07090 (120W Wide Flood)



CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	806	806	806	806	806
5	950	895	769	674	466
15	1251	985	586	375	303
25	1325	931	394	181	125
35	1162	727	222	85	64
45	892	441	101	38	33
55	436	185	39	20	15
65	122	54	13	1	1
75	18	9	4	0	0
85	1	1	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION						
RF	20					
RC	80			50		
RW	70	50	30	10	50	30
1	67	65	63	62	61	60
2	63	59	56	54	56	54
3	59	54	50	47	51	48
4	55	49	45	42	47	43
5	51	45	40	37	43	39
6	48	41	37	33	40	36
7	45	38	33	30	37	33
8	42	35	31	28	34	30
9	39	33	28	25	32	28
10	37	30	26	23	29	26

ITL TEST #47254

Options

Wattage and Voltage

- 58 277/120 volt stepdown transformer for 277 volt line input, prewired into fixture; with 277 volt thermal protector.

Trims

- 16 Champagne Gold specular Alzak reflector. (CP x .98)
 -30 All white reflector. (CP x .98)

- 31 White flange (only) on self-flanged reflector.
 -32 White oversize trim ring. Specify O.D.
 -45 Gasket between ceiling and reflector flange.
 -63 Dune specular Alzak reflector. (CP x .97)
 -69 Wheat specular Alzak reflector. (CP x .97)
 -70 SofTex clear reflector. (CP x .98)
 -71 SofTex Dune reflector. (CP x .95)
 -72 Black specular Alzak reflector. (CP x .87)
 -79 Extension collar for ceilings up to 2" thick.

- 91 SofTex Wheat reflector. (CP x .95)
 -93 Pewter specular Alzak reflector. (CP x .95)
 -94 Custom color/finish. Specify. Consult factory.

Other

- 99 Special modification. Consult factory.
 -LP With PAR 38 lamp. Specify wattage and beam spread.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP