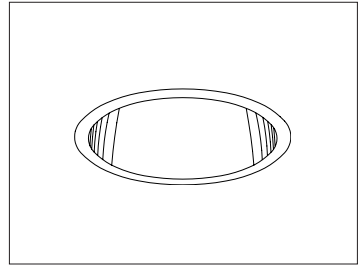


CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

4" 1 A19 100 WATT MAXIMUM

IRR-04125

Small Aperture with Versatile 1.1 SC



Specifications

Lamp / Socket

- Designed for one vertical frosted incandescent lamp (by others): 100W maximum A19.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflector

- Self-flanged compound curved specular Alzak® aluminum.
- Optional reflector finishes and colors 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 temperature 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).

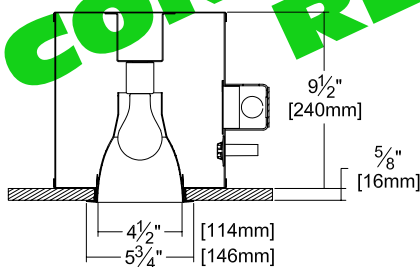
Three Year Limited Warranty

- Complete standard fixture.

Recessed Round
Open
Single Reflector

Performance at a Glance

IRR-04125

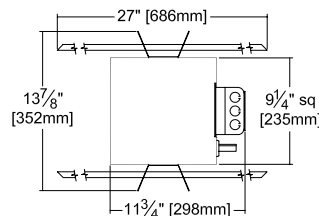


Cone of Light Key

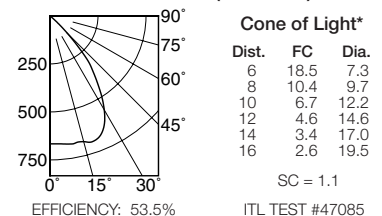
- Ft. Distance from fixture
- FC Footcandles at nadir (0°)
- Dia. Circle of light at 50% of FC

* Dia. (in ft.) shown is where FC value is half the FC at nadir.

Ceiling
Cut-out
5" Dia.



IRR-04125 (100 Watt)



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

TUNGSTEN HALOGEN &
INCANDESCENT LIGHTING

MAXIMUM WATTAGE

100

CATALOG NUMBER

IRR-04125

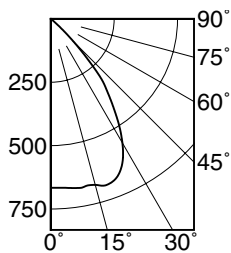
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

IRR-04125 (100 Watt)



SC = 1.1

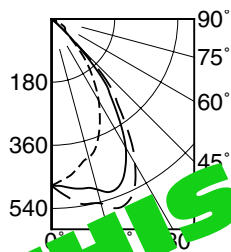
EFFICIENCY: 53.5%



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	666	666	666	666	666
5	669	669	669	669	669
15	678	678	678	678	678
25	654	654	654	654	654
35	436	436	436	436	436
45	128	128	128	128	128
55	2	2	2	2	2
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION						
RF	20					
RC	80					
RW	70	50	30	10	50	30
1	61	59	58	56	56	55
2	57	55	52	50	52	50
3	54	51	48	45	48	46
4	51	47	44	41	45	42
5	48	43	40	37	42	39
6	45	40	37	34	39	36
7	43	37	34	31	36	33
8	40	35	32	29	33	29
9	38	33	30	27	32	29
10	31	27	25	22	27	25

IRR-04125-WW (100 Watt)



EFFICIENCY: 40.0%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	666	666	666	666	666
5	669	669	669	669	669
15	678	678	678	678	678
25	654	654	654	654	654
35	436	436	436	436	436
45	128	128	128	128	128
55	2	2	2	2	2
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

MULTIPLE FIXTURES CENTERS 4' CENTERS											
DISTANCE IN FEET											
1	3.13	2.71	1.74	1.05	0.68	4.06	3.92	4.06	3.46	3.17	3.46
2	6.47	6.37	6.47	5.38	4.87	8.26	8.26	8.26	6.94	6.77	6.94
3	9.57	9.25	9.57	7.30	7.12	12.35	12.35	12.35	10.35	10.18	10.35
4	12.35	12.35	12.35	10.35	10.18	16.47	16.47	16.47	13.88	13.61	13.88
5	15.18	15.18	15.18	12.71	12.43	20.61	20.61	20.61	17.21	16.83	17.21
6	18.02	18.02	18.02	15.18	14.79	24.75	24.75	24.75	20.61	20.12	20.61
7	20.87	20.87	20.87	17.64	17.15	28.89	28.89	28.89	23.07	22.48	23.07
8	23.71	23.71	23.71	20.12	19.53	33.03	33.03	33.03	25.53	24.84	25.53
9	26.56	26.56	26.56	22.59	21.90	37.17	37.17	37.17	27.99	27.20	27.99

ITL TEST #47263

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 .93)

- 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 .90)
- 69 Wheat specular Alzak reflector. (CP x .88)
- 70 SofTex clear reflector. (CP x .90)
- 71 SofTex Dune reflector. (CP x .81)
- 72 Black specular Alzak reflector. (CP x .80)
- 79 Extension collar for ceilings up to 2" thick.

- 91 SofTex Wheat reflector. (CP x .85)
- 93 Pewter specular Alzak reflector. (CP x .75)
- 94 Custom color/finish. Specify. Consult factory.
- WW Wall wash version instead.

Other

- 99 Special modification. Consult factory.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER