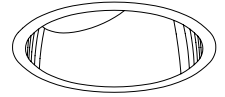


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

7" 1 PAR 38 120 WATT MAXIMUM Type IC - IRR-07098

Type IC Mini-PAR Halogen Adjustable



Specifications

Lamp / Socket Assembly

- Designed for tungsten halogen lamp (by others): 120W maximum PAR 38.
- Rated 3000 hour life. 100 CRI.
- Dimmable (controls by others).
- Swivels 358° and tilts up to 45°.
- Glazed porcelain medium base socket.

Reflector

- Self-flanged parabolic 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 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).
- Type IC. Approved for direct contact with insulation.

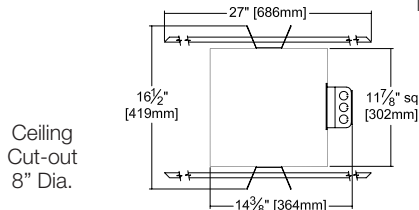
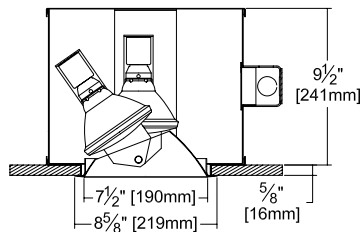
Three Year Limited Warranty

- Complete standard fixture.

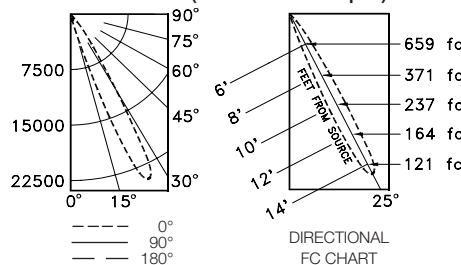
Recessed Round
Open
Adjustable
Type IC

Performance at a Glance

IRR-07098: Type IC

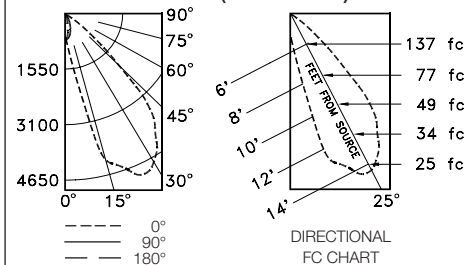


IRR-07098 (120W Narrow Spot)



EFFICIENCY: 84.6%
ITL TEST #46960

IRR-07098 (120W Flood)



EFFICIENCY: 88.6%
ITL TEST #46959



Exceptional
Energy
Efficiency

PHOTOMETRIC DATA
SHOWN AT 25° TILT

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

120

CATALOG NUMBER

IRR-07098

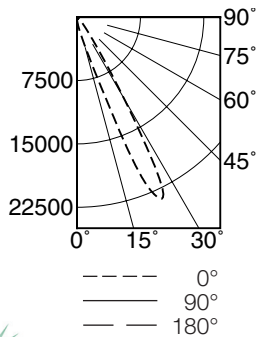
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL
INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

IRR-07098 (120W Narrow Spot)



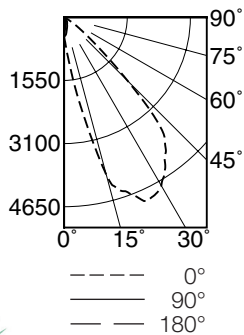
EFFICIENCY : 84.6%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	298	298	298	298	298
5	623	466	285	259	259
15	3319	908	233	221	207
25	23723	842	247	65	26
35	3060	415	143	0	0
45	518	298	0	0	0
55	155	52	0	0	0
65	26	0	0	0	0
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				50		
RW	70	50	30	10	50	30	10
1	96	93	91	89	88	86	85
2	90	86	82	79	82	79	77
3	85	79	75	71	76	72	70
4	80	73	68	64	71	67	63
5	76	68	63	59	66	61	59
6	71	63	58	54	61	56	53
7	67	59	53	49	57	52	49
8	63	54	49	45	53	48	45
9	60	51	45	41	49	45	41
10	56	47	42	38	46	41	38

ITL TEST #46960

IRR-07098 (120W Flood)



EFFICIENCY : 88.6%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	469	469	469	469	469
5	907	683	436	319	286
15	3997	1230	275	176	156
25	4934	1293	174	106	74
35	4312	647	121	30	14
45	2211	270	43	5	0
55	391	76	10	1	0
65	24	11	2	0	0
75	5	4	0	0	0
85	0	2	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	100	97	94	92	91	89	88
2	94	89	84	81	84	81	78
3	88	81	76	72	77	73	70
4	82	74	68	64	71	66	63
5	77	68	62	57	65	60	57
6	72	63	56	52	60	55	51
7	67	58	51	47	56	50	46
8	63	53	47	43	52	46	42
9	59	49	43	39	48	42	39
10	56	46	40	36	44	39	35

ITL TEST #46959

Options

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 .80)
- 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