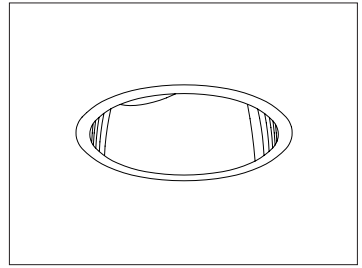


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

6" 1 PAR 38 120 WATT MAXIMUM Type IC - IRR-06097

## 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, 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.

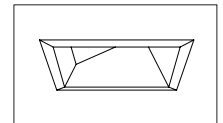
#### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12 AWG 90°C).
- Type IC. Approved for direct contact with insulation.

#### Three Year Limited Warranty

- Complete standard fixture.

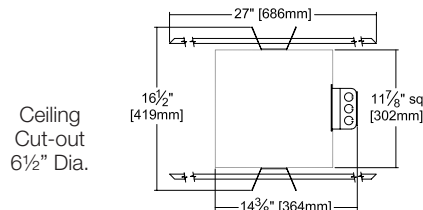
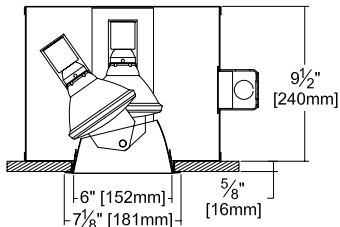
Recessed Round  
Open  
Adjustable  
Type IC



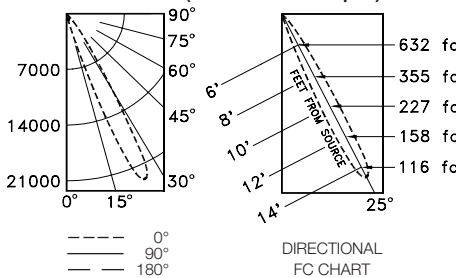
Square Reflector  
Option -SQ

### Performance at a Glance

IRR-06097: Type IC

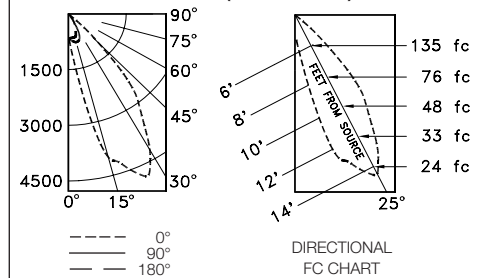


IRR-06097 (120W Narrow Spot)



EFFICIENCY: 83.6%  
ITL TEST #46956

IRR-06097 (120W Flood)



EFFICIENCY: 86.2%  
ITL TEST #46955

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

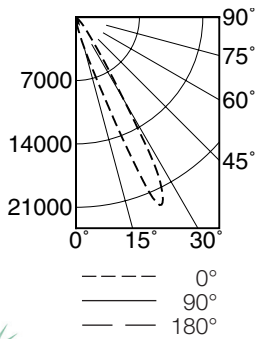
CATALOG NUMBER

IRR-06097

Detailed Photometry - Installed Fixture

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

IRR-06097 (120W Narrow Spot)



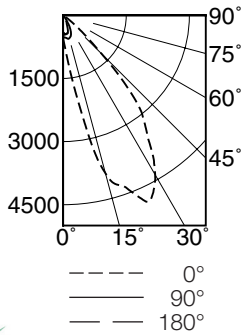
EFFICIENCY : 83.6%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	622	622	622	622	622
5	675	649	675	726	726
15	3526	1141	635	544	492
25	22608	765	440	298	233
35	3189	273	0	0	0
45	440	52	0	0	0
55	52	0	0	0	0
65	0	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	95	93	90	89	87	86	84
2	90	86	83	80	82	79	77
3	85	80	76	73	77	73	71
4	81	75	70	66	72	68	65
5	77	70	65	61	68	63	60
6	73	65	60	56	63	59	56
7	69	61	56	52	59	55	52
8	65	57	52	48	56	51	48
9	62	53	48	45	52	48	45
10	59	50	45	42	49	45	42

ITL TEST #46956

IRR-06097 (120W Flood)



EFFICIENCY : 86.2%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	535	535	535	535	535
5	951	759	531	460	451
15	3882	1540	565	505	437
25	4869	1564	437	257	199
35	3491	599	120	61	46
45	1304	122	22	16	14
55	108	13	2	4	5
65	5	2	1	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	97	95	93	91	90	88	86
2	92	88	84	81	83	80	78
3	87	81	76	72	77	74	71
4	82	75	69	65	72	68	64
5	77	69	63	59	67	62	59
6	72	64	58	54	62	57	54
7	68	59	54	50	58	53	49
8	64	55	50	46	54	49	45
9	61	51	46	42	50	45	42
10	57	48	43	39	47	42	39

ITL TEST #46955

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 .98)
- 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.
- OG OptiGroove black seamless tapered aluminum reflector. White trim, self-flanged. (CP x .82)
- SQ 6" Square self-flanged clear specular reflector instead. (Ceiling cut-out 6.75" sq.)

Other

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

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_  
 CATALOG NUMBER \_\_\_\_\_

LIMITED WARRANTY: KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALL TO N.E.C. IN NORMAL USE. Manufacturer of the fixture will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend the specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.