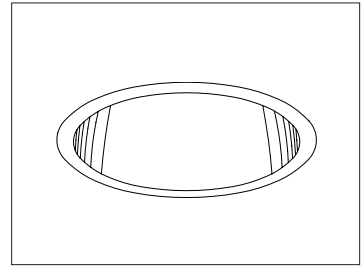


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

7" 1 A21 150 WATT MAXIMUM

Type IC - IRR-07132

Adaptable 7" Type IC Downlight



Specifications

Lamp / Socket

- Designed for one frosted incandescent lamp (by others):
Vertical 150W maximum A21.
- 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 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.

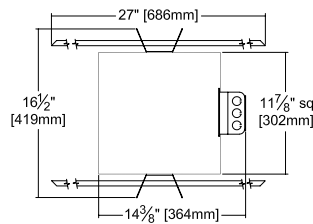
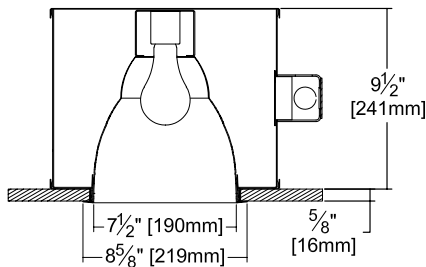
Three Year Limited Warranty

- Complete standard fixture.

Recessed Round
Open
Single Reflector
Type IC

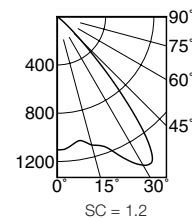
Performance at a Glance

IRR-07132: Type IC



Ceiling Cut-out
8" Dia.

IRR-07132 (150 Watt)



Cone of Light*

Dist.	FC	Dia.
6	30.7	9.2
8	17.3	12.3
10	11.0	15.4
12	7.7	18.5
14	5.6	21.6
16	4.3	24.6

EFFICIENCY: 72.4%

ITL TEST #47259

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.

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

150

CATALOG NUMBER

IRR-07132

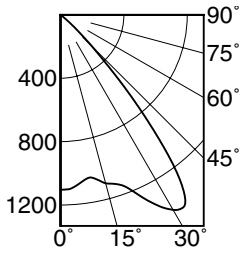
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

IRR-07132 (150 Watt)

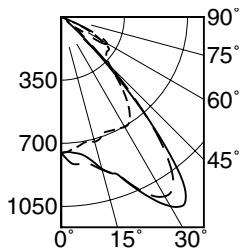

 SC = 1.2
 EFFICIENCY: 72.4%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	1104	1104	1104	1104	1104
5	1085	1085	1085	1085	1085
15	1100	1100	1100	1100	1100
25	1289	1289	1289	1289	1289
35	1354	1354	1354	1354	1354
45	279	279	279	279	279
55	5	5	5	5	5
65	3	3	3	3	3
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	82	80	78	76	75	74	72
2	77	73	70	67	69	67	65
3	72	67	63	60	64	61	58
4	68	62	57	54	59	56	53
5	64	57	52	49	55	51	48
6	60	52	48	44	51	47	43
7	56	48	43	40	47	43	40
8	53	45	40	36	44	39	36
9	50	42	37	33	40	36	33
10	47	39	34	31	38	33	30

ITL TEST #47259

IRR-07132-WW (150 Watt)


 WALL > --- 0°
 --- 90°
 --- 180°
 EFFICIENCY : 67.9%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	753	753	753	753	753
5	734	735	755	786	819
15	715	804	871	879	876
25	690	948	1080	1089	1068
35	663	1001	1204	1123	1079
45	386	340	300	357	372
55	320	215	41	77	121
65	137	103	30	110	178
75	8	5	5	5	5
85	0	0	0	0	0
90	0	0	0	0	0

SINGLE FIXTURE					MULTIPLE FIXTURES				
1'	2'	3'	4'		3' CENTERS		4' CENTERS		
DISTANCE FROM CEILING IN FEET									
1	3.5	2.8	2.1	1.8	1.6	10.3	10.0	10.3	9.0
2	19.6	17.1	9.1	4.3	2.0	31.6	31.5	31.6	26.1
3	15.2	13.2	8.7	5.5	3.1	30.0	29.2	30.0	24.1
4	14.9	13.3	9.6	5.4	3.1	29.8	31.0	29.8	23.8
5	11.0	10.6	10.6	7.2	3.7	29.5	29.4	29.5	21.2
6	7.6	7.6	8.3	8.0	5.3	28.4	25.8	28.4	21.0
7	5.7	5.7	6.1	6.5	5.9	24.3	24.4	24.3	20.4
8	4.5	4.5	4.7	5.1	5.1	21.7	22.0	21.7	17.9
9	3.8	3.8	3.9	4.1	4.2	20.1	19.9	20.1	15.9

ITL TEST #47260

Options

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.
- 33 Decorative tempered glass Glow Ring suspended trim assembly.
- 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)
- 79 Extension collar for ceilings up to 2" thick.
- 91 SofTex Wheat reflector. (CP x .80)
- 93 Pewter specular Alzak reflector. (CP x .85)

- 94 Custom color/finish. Specify. Consult factory.
- OG OptiGroove black seamless tapered aluminum reflector. White trim, self-flanged. (CP x .75)
- WW Wall wash version instead.

Other

- 99 Special modification. Consult factory.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP