

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

8" x 8" 1 A21 150 WATT MAXIMUM

IRS-08148

K-Lens Square: Efficient and Shallow

Specifications

Lamp / Socket

- Designed for one horizontal frosted incandescent lamp (by others): 150W maximum A21.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflector

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

- Tempered prismatic shock-resisting spread Kirlin lens. See Options for other lenses available.
- Rustfree polished nickel stainless door (304-L) and captive thumb screw. Concealed hinges for fast relamping.
- Attractively beveled cast aluminum frame tooled to ensure close fit with door. White acrylic finish.

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.

Outlet Box and Thermal Protection

- UL listed J-box with insulated removable cover. Rewired 14 GA (NEC) with ½" and ¾" knockouts.
- Thermal protector (per current NEC) provides automatic cut-off if rated temperature is exceeded.

Installation

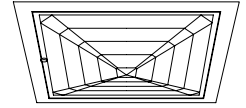
- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2).
- Recesses indoor or outdoor in covered ceilings.

UL, C-UL (Canada) Listings

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

Three Year Limited Warranty

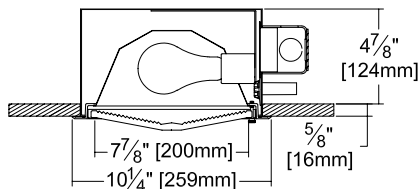
- Complete standard fixture.



Recessed Square
Kirlin Lens
Shallow Plenum

Performance at a Glance

IRS-08148



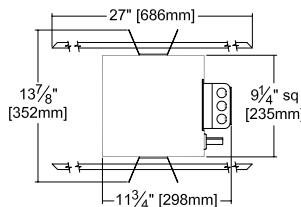
Ceiling Cut-out
9 1/2" Sq.



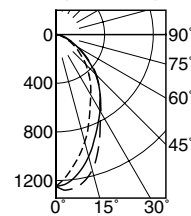
Exceptional
Energy
Efficiency

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.



IRS-08148
(150 Watt)



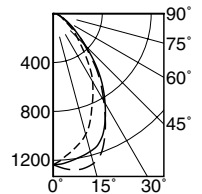
----- 0° SC 0.8
----- 90° SC 0.9
----- 180° SC 1.0

EFFICIENCY: 63.9%
ITL TEST #47019

Cone of Light*

Dist.	FC	Dia.
6	34.7	5.1
8	19.5	6.9
10	12.5	8.6
12	8.7	10.3
14	6.4	12.0
16	4.9	13.7

IRS-08148-15
(150 Watt)



----- 0° SC 0.9
----- 90° SC 1.1
----- 180° SC 1.1

EFFICIENCY: 67.2%
ITL TEST #47018

Cone of Light*

Dist.	FC	Dia.
6	34.3	6.3
8	19.3	8.4
10	12.4	10.6
12	8.6	12.7
14	6.3	14.8
16	4.8	16.9

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

150

CATALOG NUMBER

IRS-08148

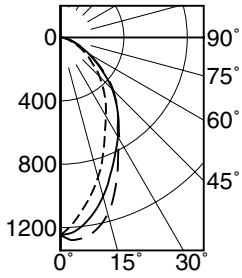
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

IRS-08148 (150 Watt)



--- 0° SC 0.8
 --- 90° SC 0.9
 --- 180° SC 1.0



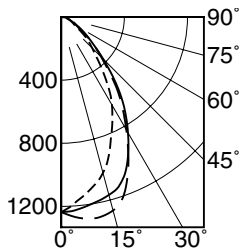
EFFICIENCY : 63.9%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1248	1248	1248	1248	1248
5	1149	1167	1218	1268	1278
15	913	905	1038	1100	1152
25	663	649	815	819	859
35	497	474	634	596	639
45	349	326	461	392	470
55	215	205	278	236	287
65	113	118	144	130	150
75	48	54	56	62	70
85	11	15	13	17	21
90	3	4	4	5	8

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	71	68	66	64	64	62	61
2	66	61	57	54	58	55	53
3	61	55	51	47	52	49	46
4	56	50	45	41	47	43	40
5	52	45	40	37	43	39	36
6	49	41	36	33	40	35	32
7	46	38	33	30	37	32	29
8	43	35	30	27	34	30	27
9	40	33	28	25	32	27	25
10	38	30	26	23	30	25	23

ITL TEST #47019

IRS-08148-15 (150 Watt)



--- 0° SC 0.9
 --- 90° SC 1.1
 --- 180° SC 1.1



EFFICIENCY : 67.2%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1236	1236	1236	1236	1236
5	1169	1188	1223	1266	1277
15	1022	1058	1167	1250	1269
25	764	889	996	1122	1008
35	503	640	694	764	664
45	277	354	376	401	360
55	140	171	187	188	172
65	75	89	89	97	94
75	40	50	50	54	51
85	11	13	16	16	19
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	75	72	70	68	68	66	65
2	70	65	62	59	62	59	57
3	65	59	55	51	56	53	50
4	60	54	49	45	51	48	44
5	56	49	44	41	47	43	40
6	53	45	40	37	44	39	36
7	50	42	37	33	40	36	33
8	47	39	34	30	37	33	30
9	44	36	31	28	35	31	28
10	41	34	29	26	33	29	26

ITL TEST #47018

Options

Wattage and Voltage

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

Lenses and Trims

- 14 Drop Opal glass. 1 1/4" deep. Not enameled.
- 15 Prismatic C#73 tempered glass lens.

- 18 Opal flat glass. Not enameled. Diffusing.
- 20 White aluminum 1/2" cube egg-crate louver.
- 26 Tamper-resistant button head recessed hex screw with center pin and 1 key / 10 fixtures. Also see Option -27.
- 27 Vandal resistant tempered prismatic C#73 spread lens above 1/4" clear tempered glass.
- 32 White oversize trim extender. Specify size.

- 45 Gasket between ceiling and trim frame.
- 46 Gasket between door and trim frame.
- 94 Custom color/finish. Specify. Consult factory.

Other

- 47 Wet plaster frame for wet plaster ceiling.
- 99 Special modification. Consult factory.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option 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 subject to the buyer 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 this 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.