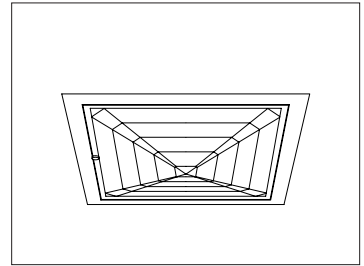


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

10" x 10" 1 PS25 300 WATT MAXIMUM

IRS-10157

Spread Distribution K-Lens for Poured Concrete Ceilings



Specifications

Lamp / Socket

- Designed for one horizontal frosted incandescent lamp (by others): 300W maximum PS25.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflector

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

- Tempered prismatic shock-resisting spread Kirlin lens. Optional 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.

- For gasketing, see Options -45 and -46.

Concrete Pour Housing

- 16 GA. galvanized steel with black enamel finish.
- Fully gasketed.
- Entire luminaire serviced through aperture.

Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL Listed. 1/2" and 3/4" knockouts.

Installation

- Recesses indoor or outdoor in poured concrete ceilings.

UL, C-UL (Canada) Listings

- For use in poured concrete.
- Through-branch conductors (6 #12 AWG 90°C).

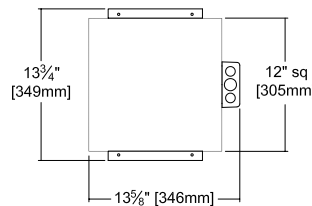
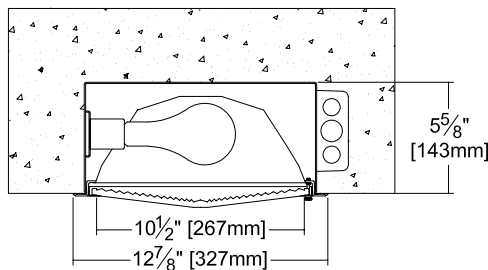
Three Year Limited Warranty

- Complete standard fixture.

Recessed Square
Kirlin Lens
Concrete Pour

Performance at a Glance

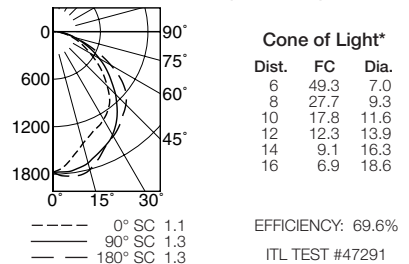
IRS-10157



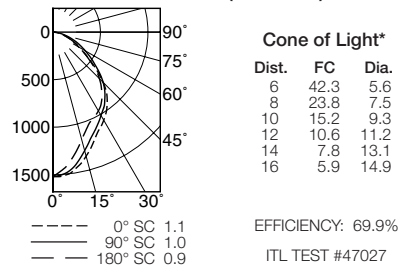
Cone of Light Key
Ft. Distance from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

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

IRS-10157 (300 Watt)



IRS-10157 (200 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

300

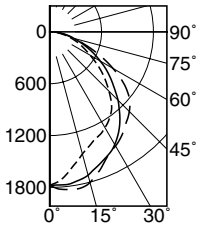
CATALOG NUMBER

IRS-10157

Detailed Photometry - Installed Fixture

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

IRS-10157 (300 Watt)



--- 0° SC 1.1
 --- 90° SC 1.3
 --- 180° SC 1.3

EFFICIENCY : 69.6%

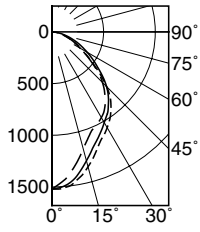
	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	1775	1775	1775	1775	1775
5	1703	1725	1777	1815	1830
15	1463	1523	1717	1804	1804
25	1332	1288	1582	1595	1587
35	1210	1001	1396	1301	1458
45	970	746	1119	961	1303
55	684	524	822	634	1050
65	428	339	537	394	632
75	235	188	290	209	286
85	77	68	110	71	93
90	21	190	36	19	34

RF	COEFFICIENTS OF UTILIZATION					
	20					
	80			50		
RC						
RW	70	50	30	10	50	30
1	76	73	70	67	68	66
2	69	64	59	55	60	56
3	63	56	51	46	53	49
4	58	50	44	40	48	43
5	54	45	39	34	43	38
6	50	41	35	30	39	34
7	46	37	31	27	35	30
8	43	34	28	24	33	28
9	40	31	26	22	30	25
10	38	29	23	20	28	23

ITL TEST #47291



IRS-10157 (200 Watt)



--- 0° SC 1.1
 --- 90° SC 1.0
 --- 180° SC 0.9

EFFICIENCY : 69.9%

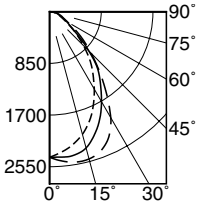
	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	1521	1521	1521	1521	1521
5	1510	1517	1492	1458	1435
15	1351	1316	1291	1207	1171
25	1140	1000	1094	927	1002
35	988	720	944	689	892
45	748	516	748	507	692
55	428	353	501	341	430
65	236	215	304	210	243
75	111	109	144	106	111
85	29	34	40	34	31
90	5	8	13	10	10

RF	COEFFICIENTS OF UTILIZATION					
	20					
	80			50		
RC						
RW	70	50	30	10	50	30
1	90	88	87	86	84	83
2	87	85	82	81	81	79
3	85	81	79	77	78	76
4	82	78	76	73	76	74
5	80	76	73	71	74	72
6	78	74	70	68	72	70
7	76	71	68	66	70	68
8	74	70	67	65	69	66
9	73	68	65	63	67	64
10	71	66	63	62	66	63

ITL TEST #47027



IRS-10157-15 (300 Watt)



--- 0° SC 1.0
 --- 90° SC 1.1
 --- 180° SC 1.2

EFFICIENCY : 69.6%

	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	2395	2395	2395	2395	2395
5	2315	2339	2401	2452	2467
15	2088	2169	2320	2485	2508
25	1701	1800	1951	2195	2292
35	1244	1373	1461	1680	1626
45	787	883	914	1034	970
55	410	479	425	547	508
65	212	231	236	268	255
75	121	133	137	156	155
85	28	37	41	45	49
90	0	0	0	0	0

RF	COEFFICIENTS OF UTILIZATION					
	20					
	80			50		
RC						
RW	70	50	30	10	50	30
1	77	74	72	70	70	68
2	71	67	63	59	63	60
3	66	60	55	52	57	53
4	62	54	49	45	52	48
5	57	50	44	40	47	43
6	53	45	40	36	44	39
7	50	42	36	32	40	36
8	47	38	33	30	37	33
9	44	36	30	27	34	30
10	42	33	28	25	32	28

ITL TEST #47290



Options

Lenses and Trims

- 14 Drop Opal glass. 1/4" deep. Not enameled.
- 15 Prismatic C#73 tempered glass lens.
- 18 Opal flat glass. Not enameled. Diffusing.
- 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.
- 45 Gasket between ceiling and trim frame.
- 46 Gasket between door and trim frame.
- 94 Custom color/finish. Specify. Consult factory.

- DG Die formed steel Drop Guard with C#73 tempered glass lens.
- DH Drop Holophane tempered lens instead.

Other

- 99 Special modification. Consult factory.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____
 TYPE _____
 WATTAGE _____ VOLTAGE _____
 CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGED 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 option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the office 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 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 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.