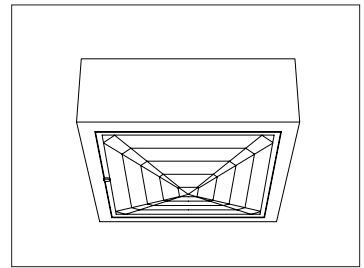


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

10" x 10" 1 A21 150 WATT MAXIMUM

ISS-10154

Surface K-Lensed Efficient Illumination



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

- Tempered, rigid white acrylic enameled aluminum.
- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Dissipates heat across entire surface area extending component life.
- No visible housing hardware.

Installation

- Center point mounting for snug fit to ceiling. Mounting hardware included.
- 2" collar for surface J-box mount (Option -80).
- Pendant or wall bracket mounts available. (See Options -PM and -WB).
- Indoor or outdoor for covered ceiling use. For wet label in uncovered areas, add Option -89.

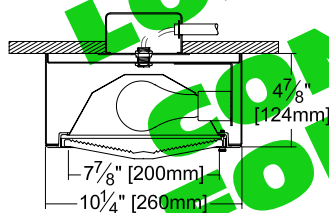
UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- With Option -89: Wet, damp or dry locations, uncovered areas.
- 90°C minimum supply wire.
- Three Year Limited Warranty**
- Complete standard fixture.

Surface Square
Kirlin Lens
Shallow

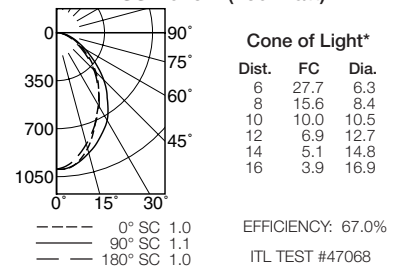
Performance at a Glance

ISS-10154



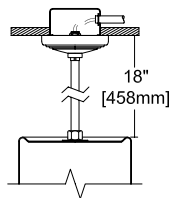
Exceptional Energy Efficiency
EEE

ISS-10154 (150 Watt)



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.

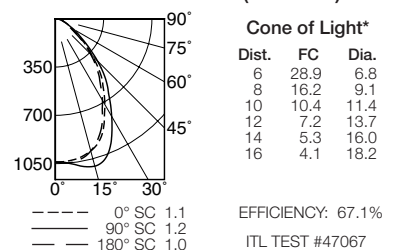


Representative Views:

(Left) With optional pendant mount (Option -PM)

(Right) With optional wall bracket (Option -WB)

ISS-10154-15 (150 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

150

CATALOG NUMBER

ISS-10154

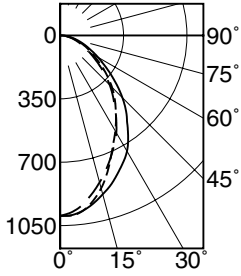
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Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

ISS-10154 (150 Watt)



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



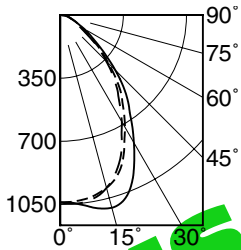
EFFICIENCY : 67.0%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	996	996	996	996	996
5	992	994	989	974	968
15	874	913	908	882	840
25	685	797	798	782	692
35	537	602	653	605	537
45	405	408	486	399	387
55	266	261	311	248	243
65	163	150	183	142	143
75	83	76	97	72	75
85	28	26	35	25	28
90	6	5	9	5	7

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80			50			
RW	70	50	30	10	50	30	10
1	74	71	68	66	66	64	63
2	68	63	59	55	59	56	53
3	62	56	51	47	53	49	46
4	58	50	45	41	48	43	40
5	53	46	40	36	43	39	35
6	50	41	36	32	40	35	32
7	46	38	32	29	36	32	28
8	43	35	30	26	34	29	26
9	41	32	27	24	32	27	23
10	38	30	25	22	29	25	21

ITL TEST #47068

ISS-10154-15 (150 Watt)



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



EFFICIENCY : 67.1%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1039	1039	1039	1039	1039
5	1035	1035	1050	1051	1049
15	992	1046	1106	1070	992
25	887	955	963	944	808
35	604	683	677	650	566
45	377	443	432	409	360
55	182	221	215	201	171
65	103	114	103	106	96
75	54	57	54	56	51
85	14	15	16	16	16
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80			50			
RW	70	50	30	10	50	30	10
1	74	72	70	68	68	66	64
2	69	65	61	58	61	58	56
3	64	58	54	50	55	52	49
4	60	53	48	44	50	46	43
5	56	48	43	39	46	42	39
6	52	44	38	35	42	38	35
7	48	41	35	32	39	35	31
8	45	37	32	29	36	32	29
9	43	35	30	26	34	29	26
10	40	32	27	24	31	27	24

ITL TEST #47067

Options

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.
- 46 Gasket between door and trim frame.

Luminaire (Housing) Finishes

- 35 Natural aluminum acrylic enamel.

- 36 Gold acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

Mounting

- 54 Safety cable through pendant stem and 12" beyond. Use with -PM.
- 80 2" collar for mounting beneath surface outlet box. 1/2" T.S. KO's.
- 87 Custom pendant / wall bracket length. Specify. (Pendant length up to 4' or consult factory.) Use with Options -PM or -WB.
- 88 Swivel canopy for sloped ceilings up to 40°. Earthquake rated. Use with -PM.

- 89 Sealed top WeatherCap. Must add to Options -PM or -WB for wet label listing.
- PM Pendant mount. 3/8" T.S. x 18" stem or see Option -87. Must add Option -89 for wet label listing. Also see -88
- WB Wall bracket mount. Must add Option -89 for wet label listing.

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 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 terms and conditions 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.