

Versatile Regressed Lens Cylinder

Specifications

Lamp / Socket

- Designed for one vertical frosted incandescent lamp (by others):
200W maximum A23.
- Dimmable (controls by others).
- Glazed porcelain medium base socket.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Tapered aluminum one piece black OptiGroove with white flange or all white smooth self-flanged trim (Option -40).
- Regressed tempered prismatic C#73 glass lens.
- Optional lenses and trims available.

Aluminum Housing

- Seamless white acrylic enameled. Rustproof:
Exceeds 1000 hour ASTM 5% salt spray test.

- No visible cylinder hardware.
- Lightweight: Minimizes ceiling load.
- Cool operation: Extends component life.

Installation

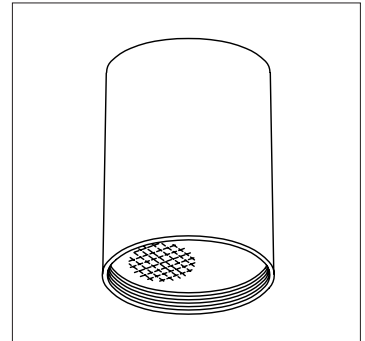
- Center point mounting for snug fit to ceiling. Mounting hardware included.
- 2" collar for surface J-box mount (Option -80).
- Pendant or wall bracket mount available. (See Options -PM, -WB).
- Indoor or outdoor for covered ceiling use. For wet label in uncovered areas, add Option -89.

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.

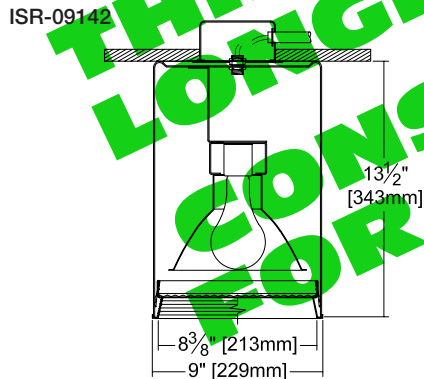
Three Year Limited Warranty

- Complete standard fixture.



Surface Round
Regressed
Lens

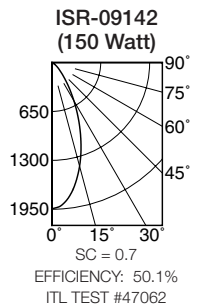
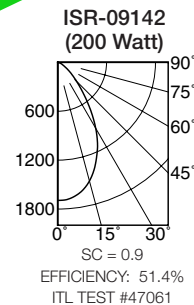
Performance at a Glance



Option -40
Also Shown



Exceptional
Energy
Efficiency



Cone of Light*

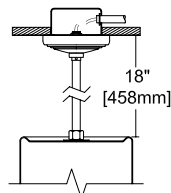
Dist.	FC	Dia.
6	47.1	5.7
8	26.5	7.6
10	16.9	9.4
12	11.8	11.3
14	8.6	13.2
16	6.6	15.1

Cone of Light*

Dist.	FC	Dia.
6	54.0	4.3
8	30.4	5.7
10	19.4	7.1
12	13.5	8.5
14	9.9	9.9
16	7.6	11.4

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

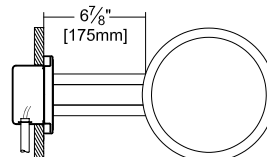
* Dia. (in ft.) shown is where FC value is half the FC at nadir.



Representative Views:

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

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



THE KIRLIN COMPANY

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TUNGSTEN HALOGEN &
INCANDESCENT LIGHTING

MAXIMUM WATTAGE

200

CATALOG NUMBER

ISR-09142

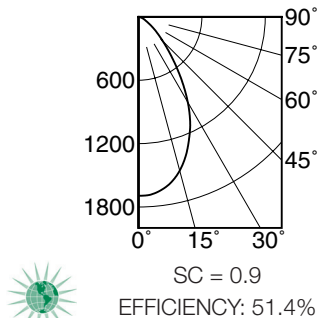
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Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

ISR-09142 (200 Watt)

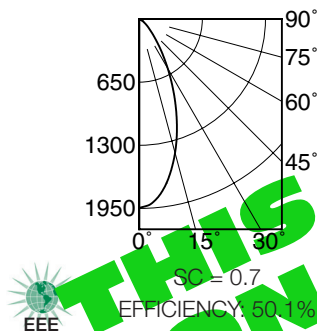


CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	1694	1694	1694	1694	1694
5	1679	1679	1679	1679	1679
15	1507	1507	1507	1507	1507
25	1157	1157	1157	1157	1157
35	692	692	692	692	692
45	326	326	326	326	326
55	146	146	146	146	146
65	64	64	64	64	64
75	21	21	21	21	21
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80			50			
RW	70	50	30	10	50	30	10
1	58	56	55	53	53	52	51
2	54	51	49	47	49	47	45
3	51	47	44	42	45	42	41
4	48	43	40	37	41	39	37
5	45	40	36	34	38	35	33
6	42	37	33	31	36	33	30
7	40	34	31	28	33	30	28
8	38	32	28	26	31	28	26
9	36	30	26	24	29	26	24
10	34	28	25	22	27	24	22

ITL TEST #47061

ISR-09142 (150 Watt)



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	1944	1944	1944	1944	1944
5	1876	1876	1876	1876	1876
15	1426	1426	1426	1426	1426
25	844	844	844	844	844
35	389	389	389	389	389
45	156	156	156	156	156
55	62	62	62	62	62
65	31	31	31	31	31
75	12	12	12	12	12
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	57	55	54	52	52	51	50
2	54	51	49	47	49	47	46
3	51	47	45	43	45	43	42
4	48	44	41	39	42	40	38
5	46	41	38	36	40	37	35
6	43	39	35	33	37	35	33
7	41	36	33	31	35	33	31
8	39	34	31	29	33	31	29
9	37	32	29	27	32	29	27
10	36	31	28	26	30	27	25

ITL TEST #47062

Options

Wattage and Voltage

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

Lenses and Trims

-18 Opal flat glass. Not enameled. Diffusing.
 -20 White 1/2" cube eggcrate aluminum louver.
 -40 White grooveless flare trim. (CP x 1.10)
 -45 Gasket between housing and trim.
 -46 Gasket between trim and lens.
 -FR Fresnel tempered glass lens.
 -HO Holophane concave prismatic tempered lens.

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 and -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.

-QM QuickConnect mount for indoor (damp or dry) use only.

-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