

Regressed Lens Shallow Cylinders

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

- 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.

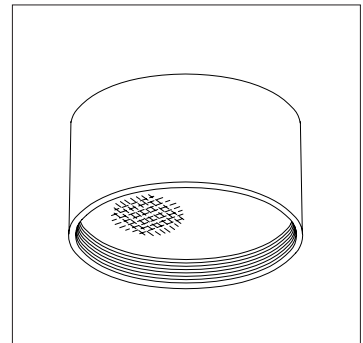
- No visible cylinder hardware.
- Lightweight: Minimizes ceiling load.
- Cool operation: Extends component life.

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 -86.

UL, C-UL (Canada) Listings

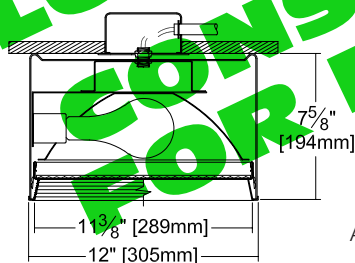
- Wet, damp or dry locations, covered ceilings.
- With Option -89: Wet, damp or dry locations, uncovered areas.
- 90°C minimum supply wire.
- Three Year Limited Warranty
- Complete standard fixture.



Surface Round
Regressed
Lens

Performance at a Glance

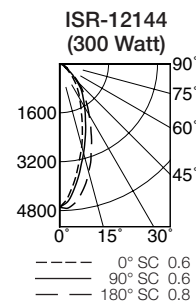
ISR-12144



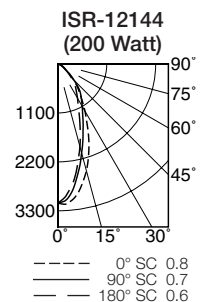
Option -40
Also Shown



Exceptional
Energy
Efficiency



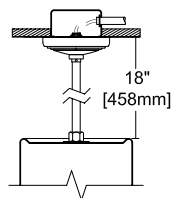
EFFICIENCY: 67.8%
ITL TEST #47058



EFFICIENCY: 71.8%
ITL TEST #47059

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

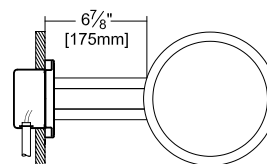
* Dia. (in ft.) shown is where FC value is half the FC at nadir.



Representative Views:

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

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



Cone of Light*

Dist.	FC	Dia.
6	130.3	3.9
8	73.3	5.2
10	46.9	6.4
12	32.6	7.7
14	23.9	9.0
16	18.3	10.3

Cone of Light*

Dist.	FC	Dia.
6	86.9	3.9
8	48.9	5.3
10	31.3	6.6
12	21.7	7.9
14	16.0	9.2
16	12.2	10.5

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

ISR-12144

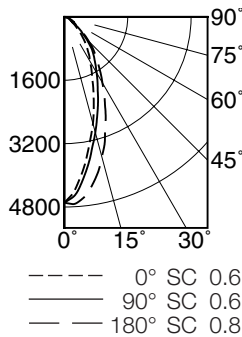
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

ISR-12144 (300 Watt)



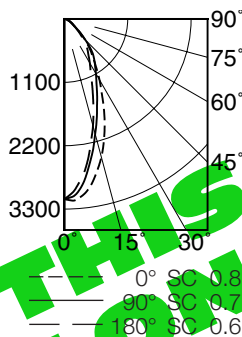
EFFICIENCY : 67.8%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	4690	4690	4690	4690	4690
5	4164	4185	4336	4528	4650
15	2790	2658	3022	3285	3659
25	1658	1688	1991	2153	2426
35	1031	1193	1334	1486	1516
45	566	657	788	849	869
55	243	334	323	435	364
65	142	152	182	202	222
75	40	40	61	61	81
85	3	4	4	4	4
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80			50			
RW	70	50	30	10	50	30	10
1	76	74	72	70	69	68	67
2	71	67	64	61	64	61	59
3	67	61	57	54	58	55	53
4	62	56	52	48	54	50	47
5	59	52	47	44	50	46	43
6	55	48	43	40	46	42	39
7	52	45	40	36	43	39	36
8	49	42	37	34	40	36	33
9	46	39	34	31	38	34	31
10	44	37	32	29	36	32	29

ITL TEST #47058

ISR-12144 (200 Watt)



EFFICIENCY : 71.8%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	3128	3128	3128	3128	3128
5	3109	3064	2982	2867	2864
15	2483	2252	2067	1839	1921
25	1592	1459	1334	1132	1108
35	916	984	918	817	718
45	501	530	517	461	410
55	207	268	216	243	192
65	111	110	112	102	102
75	36	38	41	38	36
85	2	2	3	4	4
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80			50			
RW	70	50	30	10	50	30	10
1	81	78	76	74	74	72	71
2	75	71	68	65	65	65	63
3	71	65	61	57	57	59	56
4	66	60	55	51	51	53	50
5	62	55	50	46	46	49	46
6	58	51	46	42	42	45	42
7	55	47	42	39	39	42	39
8	52	44	39	36	36	39	36
9	49	42	37	33	33	36	33
10	47	39	34	31	31	34	31

ITL TEST #47059

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. Available with Option -FT only.

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