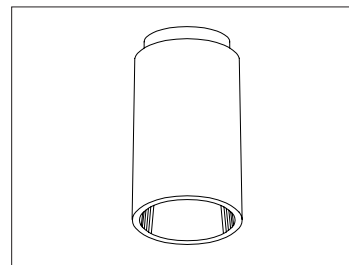


Surface, Pendant or Wall Bracket for High Ceiling Areas



Surface Round
Open
Appearance
Dual Reflector

Specifications

Lamp

- Designed for 1 vertical frosted T4 tungsten halogen lamp (by others): 500 watt maximum.

- See Option -43 for lower wattage.

Lampholder

- Mini-candelabra heat resistant screw base mounted in exclusive extruded aluminum heat sink to maximize dissipation of lamp base heat.

Reflectors

- Upper: Specular Alzak® ellipsoidal aluminum for precise control of source.
- Lower: Low brightness clear specular parabolic Alzak aluminum cone, self-flanged.
- Optional self-flanged lower cone finishes and colors available.
- Radiation cooling by design.

Lens

- Tempered MicroLux (microprismatic) lens mounted to upper reflector (0.4 SC). Optional tempered prismatic glass (Option -15 with 0.7 SC) or tempered clear glass (Option -28 with 0.2 SC) 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

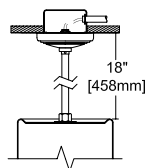
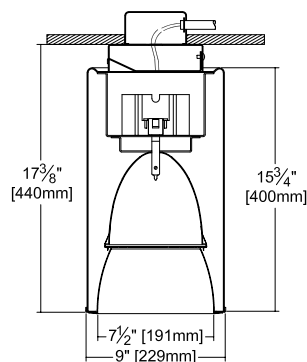
- Center point mounting with QuickMount 2" extension collar (surface mount only); provides convection cooling and rapid installation.
- Pendant or wall bracket mount available.
- Indoor or outdoor for covered ceiling use. For wet label in uncovered areas, add -89.

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.

Performance at a Glance

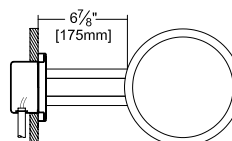
ISR-09066



Representative Views:

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

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

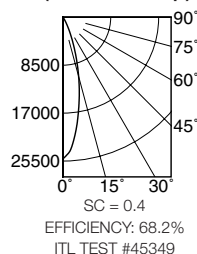


Cone of Light Key

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.

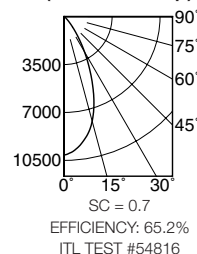
ISR-09066
(Frosted Lamp)



Cone of Light*

Dist.	FC	Dia.
6	698.6	2.6
8	393.0	3.5
10	251.5	4.3
12	174.7	5.2
14	128.3	6.0
16	98.2	6.9

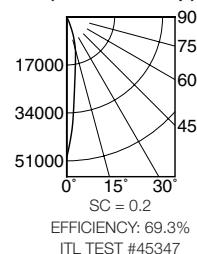
ISR-09066-15
(Frosted Lamp)



Cone of Light*

Dist.	FC	Dia.
6	280.5	4.5
8	157.8	6.0
10	101.0	7.5
12	70.1	9.0
14	51.5	10.5
16	39.4	12.0

ISR-09066-28
(Frosted Lamp)



Cone of Light*

Dist.	FC	Dia.
6	1385.3	1.3
8	779.3	1.8
10	498.7	2.2
12	346.3	2.7
14	254.4	3.1
16	194.8	3.6

CAUTION: SINGLE ENDED T4 HALOGEN LAMPS MUST BE STARTED AT OR NEAR FULL VOLTAGE (120V) BEFORE DIMMING TO ENSURE MAXIMUM LIFE AND PERFORMANCE.

KIRLIN RECOMMENDS FROSTED T4 HALOGEN LAMPS BY USHIO, GE OR SYLVANIA ONLY

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

500

CATALOG NUMBER

ISR-09066

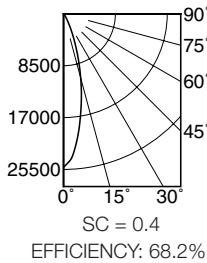
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

ISR-09066 (500 Watt)



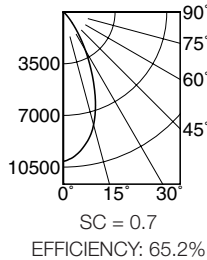
CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	25151	25151	25151	25151	25151
5	21970	21970	21970	21970	21970
15	10867	10867	10867	10867	10867
25	3026	3026	3026	3026	3026
35	602	602	602	602	602
45	130	130	130	130	130
55	8	8	8	8	8
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION									
RF	20								
RC	80								
RW	70	50	30	10	50	30	10	50	30
1	78	77	75	74	73	72	71	71	70
2	76	73	71	69	70	68	67	67	66
3	73	69	67	65	67	65	63	63	62
4	70	66	64	61	64	62	60	60	59
5	68	64	61	58	62	60	58	58	57
6	66	61	58	56	60	57	55	55	54
7	64	59	56	54	58	55	53	53	52
8	62	57	54	52	56	53	51	51	50
9	60	55	52	50	54	51	50	50	49
10	58	53	50	48	52	50	48	48	47

ITL TEST #45349



ISR-09066-15 (500 Watt)

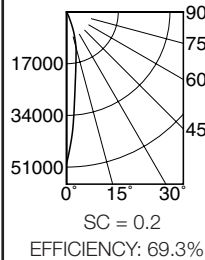


CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	10098	10098	10098	10098	10098
5	9727	9727	9727	9727	9727
15	7905	7905	7905	7905	7905
25	4560	4560	4560	4560	4560
35	1700	1700	1700	1700	1700
45	354	354	354	354	354
55	18	18	18	18	18
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION									
RF	20								
RC	80								
RW	70	50	30	10	50	30	10	50	30
1	74	73	71	70	69	68	67	67	66
2	71	68	66	63	65	63	61	61	60
3	68	64	61	58	61	59	57	57	56
4	65	60	57	54	58	55	53	53	52
5	62	57	53	50	55	52	50	50	49
6	59	53	50	47	52	49	47	47	46
7	56	51	47	44	49	46	44	44	43
8	54	48	44	42	47	44	41	41	40
9	51	45	42	39	45	41	39	39	38
10	49	43	40	37	42	39	37	37	36

ITL TEST #54816

ISR-09066-28 (500 Watt)



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	49672	49672	49672	49672	49672
5	23844	23844	23844	23844	23844
15	11900	11900	11900	11900	11900
25	2251	2251	2251	2251	2251
35	46	46	46	46	46
45	31	31	31	31	31
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION									
RF	20								
RC	80								
RW	70	50	30	10	50	30	10	50	30
1	80	78	77	76	74	73	72	72	71
2	77	75	73	71	72	70	69	69	68
3	75	72	70	68	69	68	66	66	65
4	73	69	67	65	66	65	63	63	62
5	71	67	64	62	63	61	59	59	58
6	69	65	62	60	60	58	56	56	55
7	67	63	60	58	58	56	54	54	53
8	65	61	58	56	56	54	52	52	51
9	64	59	57	55	55	53	51	51	50
10	62	58	55	53	53	51	49	49	48

ITL TEST #45347

Options

Wattage and Voltage

- 43 Lower wattage 250 T4 DCB socket (CP x .47).
- 58 With Option -43 only. 277/120 volt stepdown transformer for 277 volt line input, prewired into fixture.

Lenses and Trims

- 15 Tempered prismatic glass lens for medium (0.7 SC) distribution.
- 16 Champagne Gold specular Alzak lower cone. (CP x .95)
- 28 Tempered clear flat glass for narrowest (0.2 SC) distribution.
- 30 All white lower cone. (CP x .95)
- 63 Dune specular Alzak lower cone. (CP x .93)
- 69 Wheat specular Alzak lower cone. (CP x .92)
- 70 SoftTex clear lower cone. (CP x .92)

- 71 SoftTex Dune lower cone. (CP x .89)
- 72 Black specular Alzak lower cone. (CP x .80)
- 91 SoftTex Wheat lower cone. (CP x .88)
- 93 Pewter specular Alzak lower cone. (CP x .88)
- 94 Custom color/finish. Specify. Consult factory.
- OG OptiGroove black seamless tapered aluminum lower cone. White trim, self-flanged. (CP x .83)

Luminaire (Housing) Finishes

- 35 Natural aluminum 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.

- 87 Custom pendant length. Specify. (Pendant length up to 4' or consult factory.) Use with Option -PM.
- 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.
- WB Wall bracket mount. Must add Option -89 for wet label listing.

Other

- 99 Special modification. Consult factory.
- LP With frosted lamp. 500W mini-can (or 250W DCB for use with -43 only). Specify.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER