

High Light Output: Ideal for Mall, Convention Center, Church

Specifications

Lamp

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

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, colors and square trim available.

Lens

- Tempered MicroLux (microprismatic) lens mounted to upper reflector (0.5 SC). Optional tempered C#73 prismatic glass (Option -15 with 0.6 SC) or tempered clear glass (Option -28 with 0.3 SC) available.

Aluminum Housing

- Cool. Acrylic enameled 100% aluminum. Vented.
- Convection and radiation cooling by design for maximum component life.
- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire visible and serviceable from below through aperture.
- Top access standard - simple procedure.
- 2" mounting collar permits thicker ceiling installations. Built-in plaster frame.

Outlet Box and Thermal Protection

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with 1/2" and 3/4" knockouts.
- Thermal protector (per current NEC) provides automatic cut-off if rated temperature is exceeded.

Installation

- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2).

Recessed Round
Open
Appearance
Dual Reflector

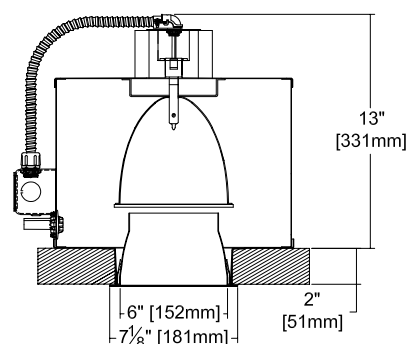
- Recesses indoor or outdoor in covered ceilings.
 - See "MARKED SPACINGS CAUTION" below.
- UL C-UL (Canada) Listings**
- Wet, damp or dry locations, covered ceilings.
 - Through-branch conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

- Complete standard fixture.

Performance at a Glance

IRR-06056



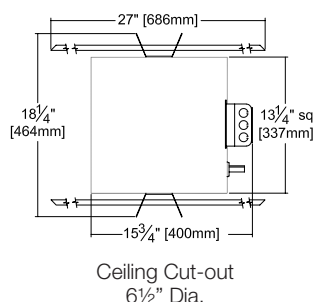
Cone of Light Key

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

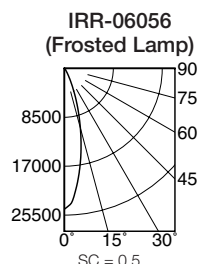
* Dia. (in ft.) shown is where FC value is half the FC at nadir.



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

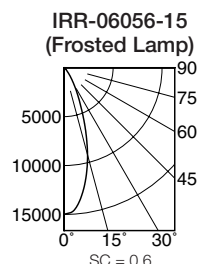


Ceiling Cut-out
6 1/2" Dia.



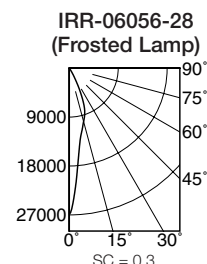
Cone of Light*

Dist.	FC	Dia.
6	679.9	2.6
8	382.4	3.5
10	244.8	4.4
12	170.0	5.3
14	124.9	6.1
16	95.6	7.0



Cone of Light*

Dist.	FC	Dia.
6	416.0	3.4
8	234.0	4.5
10	149.8	5.6
12	104.0	6.8
14	76.4	7.9
16	58.5	9.0



Cone of Light*

Dist.	FC	Dia.
6	747.6	1.7
8	420.5	2.3
10	269.1	2.8
12	186.9	3.4
14	137.3	4.0
16	105.1	4.5

"MARKED SPACINGS CAUTION"
INSTALL WITH MINIMUM SPACINGS AS
FOLLOWS: 2 FEET BETWEEN CENTERS
OF ADJACENT FIXTURES; 1/2" BETWEEN
FIXTURE TOP AND OVERHEAD BUILDING
MEMBER; 1 FOOT BETWEEN FIXTURE
CENTER AND SIDE WALL.

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

THE KIRLIN COMPANY

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TUNGSTEN HALOGEN & INCANDESCENT LIGHTING

MAXIMUM WATTAGE

500

CATALOG NUMBER

IRR-06056

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

Alzak® is a registered trademark of ALCOA.

IRR-06056

6" 1 T4 500 WATT MAXIMUM

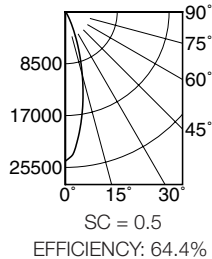
KIRLIN

Since 1895

Detailed Photometry - Installed Fixture

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

IRR-06056 (500 Watt)



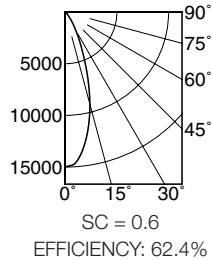
CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	24475	24475	24475	24475	24475
5	21546	21546	21546	21546	21546
15	10712	10712	10712	10712	10712
25	2826	2826	2826	2826	2826
35	537	537	537	537	537
45	139	139	139	139	139
55	85	85	85	85	85
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION									
RF	20								
RC	80				50				
RW	70	50	30	10	50	30	10		
1	74	72	71	70	68	68	67		
2	71	69	67	65	66	64	63		
3	69	65	63	61	63	61	60		
4	66	63	60	58	61	58	57		
5	64	60	57	55	58	56	54		
6	62	58	55	53	56	54	52		
7	60	55	53	51	54	52	50		
8	58	54	51	49	53	50	48		
9	56	52	49	47	51	48	47		
10	55	50	47	45	49	47	45		

ITL TEST #46003



IRR-06056-15 (500 Watt)



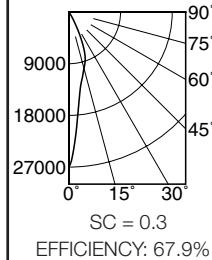
CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	14975	14975	14975	14975	14975
5	14309	14309	14309	14309	14309
15	9221	9221	9221	9221	9221
25	3608	3608	3608	3608	3608
35	1096	1096	1096	1096	1096
45	261	261	261	261	261
55	100	100	100	100	100
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

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

ITL TEST #46004



IRR-06056-28 (500 Watt)



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	26914	26914	26914	26914	26914
5	17924	17924	17924	17924	17924
15	10179	10179	10179	10179	10179
25	4736	4736	4736	4736	4736
35	336	336	336	336	336
45	32	32	32	32	32
55	26	26	26	26	26
65	2	2	2	2	2
75	4	4	4	4	4
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	78	76	75	74	72	71	70		
2	75	72	70	68	69	67	66		
3	72	69	66	64	66	64	62		
4	69	65	62	60	63	62	59		
5	67	62	59	57	61	58	56		
6	65	60	57	54	58	56	54		
7	62	57	54	52	56	53	51		
8	60	55	52	50	54	51	49		
9	58	53	50	48	52	49	47		
10	56	51	48	46	50	48	46		

ITL TEST #47621



Options

Lenses and Trims

- 15 Tempered prismatic C#73 glass lens for medium (0.6 SC) distribution.
- 16 Champagne Gold specular Alzak lower cone. (CP x .95)
- 28 Tempered clear flat glass for narrowest (0.3 SC) distribution.
- 30 All white lower cone. (CP x .95)
- 31 White flange (only) on self-flanged lower cone.

- 32 White oversize trim ring. Specify O.D.
- 45 Gasket between ceiling and lower cone flange.
- 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. For use in fire resistant construction only. (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. For use in fire resistant construction only. (CP x .83)
- SQ 6" Square self-flanged clear specular lower cone instead. SoftTex and colors optional. (Ceiling cut-out 6.75" sq.)
- Other**
- 99 Special modification. Consult factory.
- LP With frosted mini-can lamp. Specify wattage and color temperature.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER