

Church, Retail, Office Quartz T4 Halogen

Specifications

Lamp

- Designed for 1 vertical T4 tungsten halogen lamp (by others): 250 watt maximum.
- Clear lamp: IRR-06054 and IRR-06054-15.
- Frosted lamp: IRR-06054-28.

Lampholder

- Double contact bayonet. Heat resistant.
- Lamp socket bracket designed as heat sink.

Reflectors

- Upper: Specular Alzak® aluminum for precise control of source.
- Lower: Low brightness clear specular parabolic Alzak aluminum cone, self-flanged.
- Optional lower cone finishes, color and 6" square trim available.
- Convection and 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 0.1 SC) available.

Aluminum Housing

- Cool. Acrylic enameled 100% aluminum.

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Dissipates heat across entire surface area extending component life.
- Entire luminaire visible and serviceable from below through aperture.
- For top access, see Option -TA.
- Built-in plaster frame. Also see Option -79.

Outlet Box and Thermal Protection

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with ½" and ¾" knockouts.
- Thermal protector (per current NEC) provides automatic cut-off if rated temperature is exceeded.

Installation

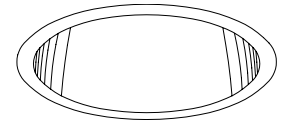
- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2).
- Recesses indoor or outdoor in covered ceilings.

UL, C-UL (Canada) Listings

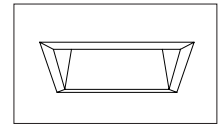
- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

- Complete standard fixture.



Recessed Round
Open
Appearance
Dual Reflector

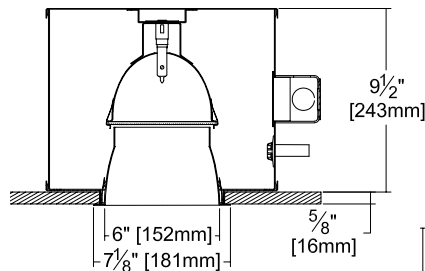


Square Reflector
Option -SQ

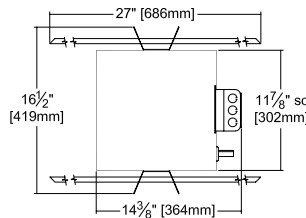
KIRLIN RECOMMENDS T4 HALOGEN LAMPS BY USHIO, GE OR SYLVANIA ONLY

Performance at a Glance

IRR-06054



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

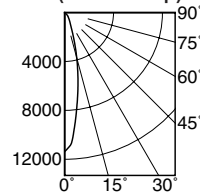


Ceiling Cut-out
6 1/2" Dia.

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.

IRR-06054
(Clear Lamp)

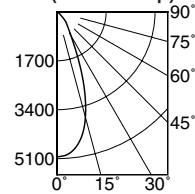


SC = 0.4
EFFICIENCY: 61.7%
ITL TEST #46008

Cone of Light*

Dist.	FC	Dia.
6	316.2	2.2
8	177.8	2.9
10	113.8	3.6
12	79.0	4.4
14	58.1	5.1
16	44.5	5.8

IRR-06054-15
(Clear Lamp)

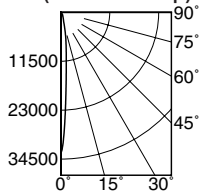


SC = 0.7
EFFICIENCY: 58.9%
ITL TEST #46009

Cone of Light*

Dist.	FC	Dia.
6	139.9	4.0
8	78.7	5.3
10	50.4	6.6
12	35.0	8.0
14	25.7	9.3
16	19.7	10.6

IRR-06054-28
(Frosted Lamp)



SC = 0.1
EFFICIENCY: 68.6%
ITL TEST #47622

Cone of Light*

Dist.	FC	Dia.
6	920.7	0.9
8	517.9	1.2
10	331.4	1.5
12	230.2	1.8
14	169.1	2.1
16	129.5	2.4



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Efficiency**

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TUNGSTEN HALOGEN & INCANDESCENT LIGHTING

MAXIMUM WATTAGE

250

CATALOG NUMBER

IRR-06054

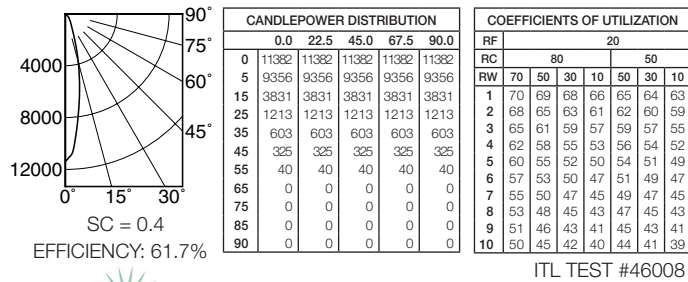
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

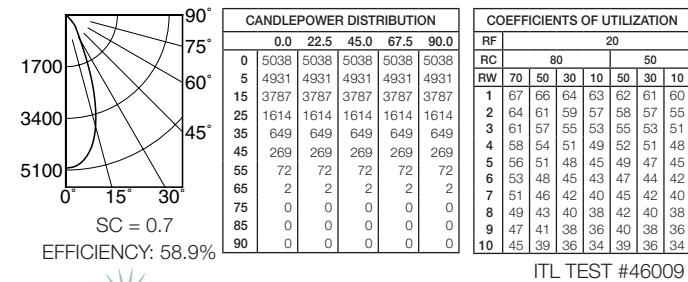
Detailed Photometry - Installed Fixture

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

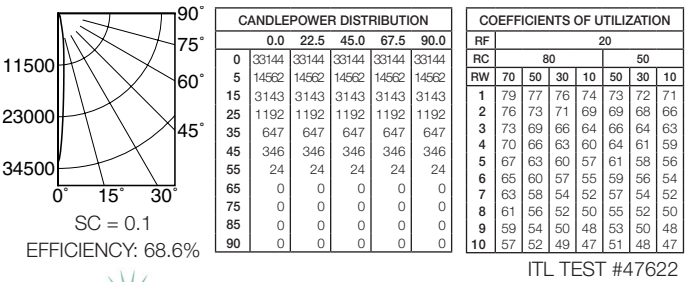
IRR-06054 (250 Watt)



IRR-06054-15 (250 Watt)



IRR-06054-28 (250 Watt)



Options

Wattage and Voltage

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

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 (0.1 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. (CP x .80)
- 79 Extension collar for ceilings up to 2" thick.
- 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)
- 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 DCB lamp. Specify wattage, clear or frosted, and color temperature.
- TA Top access; for servicing from above ceiling.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP