

Church, Retail, Office Q250 Halogen Lighting

Features

Lamp

- Designed for: 1 vertical Q250 (max.) frosted tungsten halogen T-4.
- Double contact bayonet (DCB) base.
- Rated 2000 hour life; 100 CRI.
- Dimmable (controls by others).

Lampholder

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

Reflectors

- Upper: Specular Alzak® aluminum reflector for precise control of source.
- Lower: Low brightness clear specular parabolic Alzak aluminum cone, self-flanged.
- Ten optional self-flanged cone colors and finishes available. See Options.
- Convection and radiation cooling by design.

Lens

- RR30610: Tempered MicroLux (microprismatic) lens mounted to upper reflector (0.4 S/MH). Optional tempered C#73 prismatic glass (Option -15 with 0.7 S/MH) or

tempered clear glass (Option -28 with 0.1 S/MH) available.

- RR30611: Tempered C#73 prismatic glass lens mounted to upper reflector (1.0 S/MH).

Housing

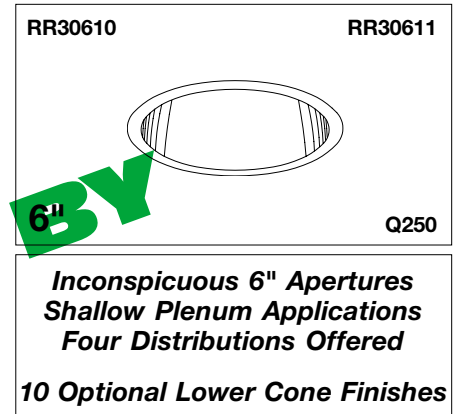
- Acrylic enameled 100% aluminum. Vented.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area. Maximizes component life.
- Entire luminaire visible and serviceable from below through removable lower cone.
- Top access optional (see Option -TA).
- Built-in plaster frame. Also see Option -79.

Outlet Box

- Prewired 14GA (NEC) galvanized steel. UL listed. With removable insulated cover.
- 1/2" and 3/4" knockouts.

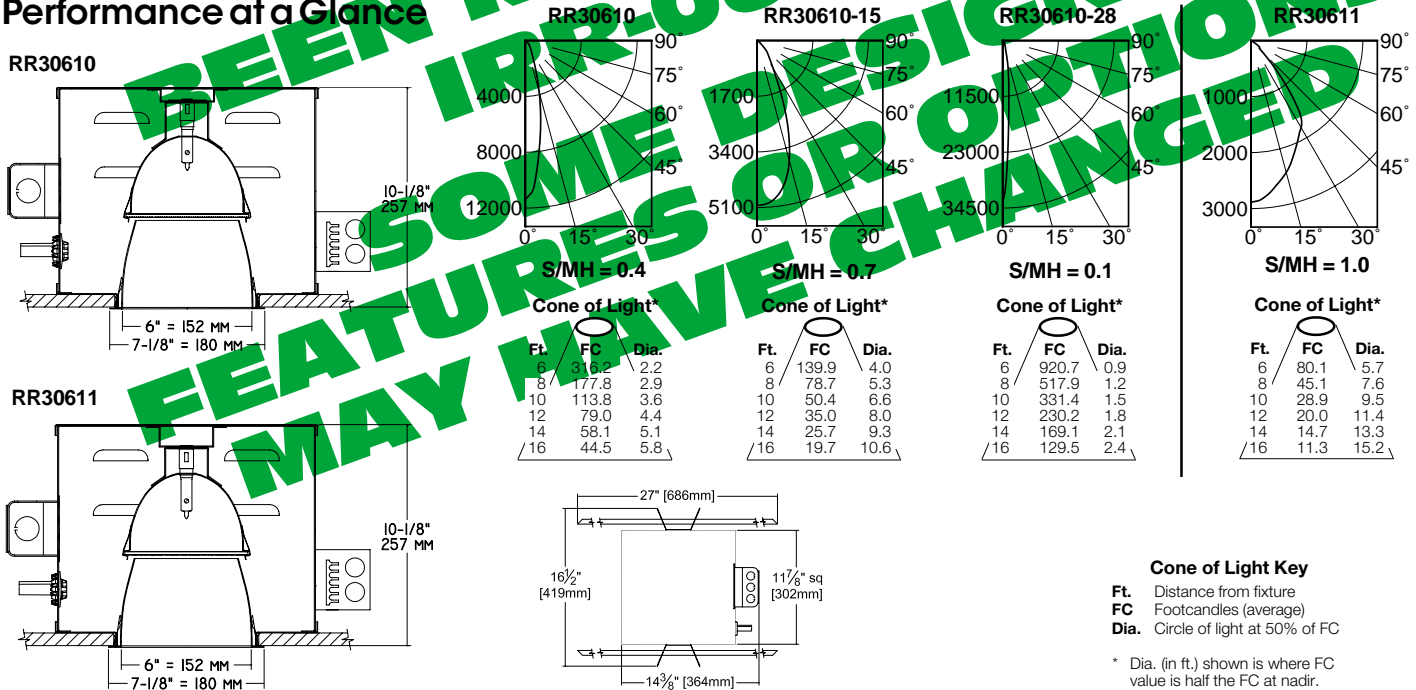
Installation

- 27" galvanized hanger bars supplied (2).
- Fully adjustable universal galvanized mounting brackets supplied (2). Accepts 3/4" or 1-1/4" lathers channel or 1/2" T.S. conduit.
- Recesses indoor or outdoor in covered ceilings.



- **UL, C-UL (Canada) Listings**
 - Wet, damp or dry locations, covered ceilings.
 - Through-branch circuit conductors (6 #12 AWG 90°C).
- **Three Year Limited Warranty**
 - Complete standard fixture.
- **Thermal Protection (Per Current NEC)**
 - Thermal protector included which provides automatic cut-off if rated temperature is exceeded. (Insulation related)

Performance at a Glance



THE KIRLIN COMPANY

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**NEW MILLENNIUM
TUNGSTEN HALOGEN and
INCANDESCENT LIGHTING**

LAMP
**T-4
T-4**

MAXIMUM WATTAGE
**Q250
Q250**

CATALOG NUMBERS
**RR30610
RR30611**

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

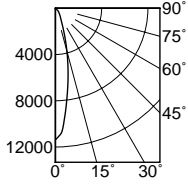
FROM I.T.L. (BOULDER, CO)

RR30610: TEST NUMBER 46008
RR30610-28: TEST NUMBER 47622

RR30610-15: TEST NUMBER 46009
RR30611: TEST NUMBER 47083

RR30610

Efficiency = 61.7%

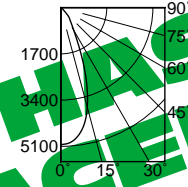


CANDLEPOWER DISTRIBUTION						COEFFICIENTS OF UTILIZATION							
	0.0	22.5	45.0	67.5	90.0	RF	80			20			
						RC	70	50	30	10	50	30	10
0	11382	11382	11382	11382	11382	1	70	69	68	66	65	64	63
5	9356	9356	9356	9356	9356	2	68	65	63	61	62	60	59
15	3831	3831	3831	3831	3831	3	65	61	59	57	69	57	55
25	1213	1213	1213	1213	1213	4	62	58	55	53	56	54	52
35	603	603	603	603	603	5	60	55	52	50	54	51	49
45	325	325	325	325	325		57	50	47	45	49	47	45
55	40	40	40	40	40		55	50	47	45	49	47	45
65	0	0	0	0	0		53	48	45	43	47	45	43
75	0	0	0	0	0		51	46	43	41	45	43	41
85	0	0	0	0	0		50	45	42	40	44	41	39
90	0	0	0	0	0								

S/MH 0.4

RR30610-15

Efficiency = 58.9%

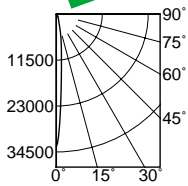


CANDLEPOWER DISTRIBUTION						COEFFICIENTS OF UTILIZATION							
	0.0	22.5	45.0	67.5	90.0	RF	80			20			
						RC	70	50	30	10	50	30	10
0	5038	5038	5038	5038	5038	1	73	71	69	68	67	66	65
5	4931	4931	4931	4931	4931	2	69	65	63	60	62	60	58
15	3787	3787	3787	3787	3787	3	65	61	57	55	53	55	53
25	1614	1614	1614	1614	1614	4	58	54	51	49	52	51	48
35	649	649	649	649	649	5	56	51	48	45	49	47	45
45	269	269	269	269	269	6	53	48	45	43	47	44	42
55	72	72	72	72	72	7	51	46	42	40	45	42	40
65	2	2	2	2	2	8	49	43	40	38	42	40	38
75	0	0	0	0	0	9	47	41	38	36	40	38	36
85	0	0	0	0	0		45	39	36	34	39	36	34
90	0	0	0	0	0								

S/MH 0.7

RR30610-28

Efficiency = 68.6%

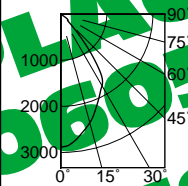


CANDLEPOWER DISTRIBUTION						COEFFICIENTS OF UTILIZATION							
	0.0	22.5	45.0	67.5	90.0	RF	80			20			
						RC	70	50	30	10	50	30	10
0	33144	33144	33144	33144	33144	1	79	77	76	74	73	72	71
5	14562	14562	14562	14562	14562	2	76	73	71	69	69	68	66
15	3143	3143	3143	3143	3143	3	73	69	66	64	66	64	63
25	1192	1192	1192	1192	1192	4	70	66	63	60	64	61	59
35	647	647	647	647	647	5	67	63	60	57	61	58	56
45	346	346	346	346	346	6	65	60	57	55	59	56	54
55	24	24	24	24	24		63	58	54	52	57	54	52
65	0	0	0	0	0		61	56	52	50	55	52	50
75	0	0	0	0	0		59	54	50	48	53	50	48
85	0	0	0	0	0		57	52	49	47	51	48	47
90	0	0	0	0	0								

S/MH 0.1

RR30611

Efficiency = 64.5%



CANDLEPOWER DISTRIBUTION						COEFFICIENTS OF UTILIZATION							
	0.0	22.5	45.0	67.5	90.0	RF	80			20			
						RC	70	50	30	10	50	30	10
0	2885	2885	2885	2885	2885	1	73	71	69	68	67	66	65
5	2806	2806	2806	2806	2806	2	69	65	63	60	62	60	58
15	2438	2438	2438	2438	2438	3	65	61	57	55	53	55	53
25	1977	1977	1977	1977	1977	4	58	54	51	49	52	51	48
35	1441	1441	1441	1441	1441	5	56	51	48	45	49	47	45
45	303	303	303	303	303	6	53	48	44	41	47	44	41
55	155	155	155	155	155	7	52	45	41	38	44	40	38
65	5	5	5	5	5	8	49	42	38	35	41	37	35
75	3	3	3	3	3	9	46	39	35	33	39	35	32
85	2	2	2	2	2		44	37	33	30	36	33	30
90	0	0	0	0	0								

S/MH 1.0

Estimated Multipliers

- 16 Champagne Gold Alzak®: CP x .95
- 30 White: CP x .95
- 63 Dune Alzak: CP x .93
- 69 Wheat Alzak: CP x .92
- 70 Softex Clear: CP x .92
- 71 Softex Dune: CP x .89
- 72 Black Alzak: CP x .80
- 90 Softex Champagne Gold: CP x .90
- 91 Softex Wheat: CP x .88
- 93 Pewter Alzak: CP x .88
- 06 Black OptiGroove: CP x .83

Options

- 15 Tempered prismatic C#73 glass lens for medium (0.7 S/MH) distribution. (RR30610 only)
- 16 Champagne Gold specular Alzak self-flanged lower cone. (CP x .95)
- 28 Tempered clear flat glass for narrowest (0.1 S/MH) distribution. (RR30610 only)
- 30 All white lower cone, self-flanged. (CP x .95)
- 31 White flange (only) on self-flanged lower cone.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277/120V stepdown transformer for 277 volt line input, prewired into fixture.
- 63 Dune specular Alzak self-flanged lower cone. (CP x .93)
- 69 Wheat specular Alzak self-flanged lower cone. (CP x .92)
- 70 Softex Clear softly etched self-flanged lower cone. Resists smudges. (CP x .92)
- 71 Softex Dune softly etched self-flanged lower cone. Resists smudges. (CP x .89)
- 72 Black specular Alzak self-flanged lower cone. (CP x .80)
- 79 Extension collar for up to 2" thick ceilings.
- 82 Sloped ceiling adapter. Specify slope in 5° increments up to 30°.
- 90 Softex Champagne Gold softly etched self-flanged lower cone. Resists smudges. (CP x .90)
- 91 Softex Wheat softly etched self-flanged lower cone. Resists smudges. (CP x .88)
- 93 Pewter specular Alzak self-flanged lower cone. (CP x .88)
- 94 Specular or Softex custom color / finish lower cone, self-flanged. Consult factory.
- 99 Special modification. Consult factory.
- LP With frosted DCB lamp. Specify wattage and color temperature.
- OG OptiGroove black seamless tapered aluminum lower cone. White trim, self-flanged. (CP x .83)
- TA Top access modification for servicing from above.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____
TYPE _____
WATTAGE _____ VOLTAGE _____
CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, ETC., IS NORMAL USE. Manufacturer at this option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied on the understanding that all other warranties, expressed or implied, Seller does not warrant as to merchantability or fitness for a particular use, nor warranty of statement constitute a warranty of a kind and to the extent that it may conflict with the terms of this warranty.