

Vivid Highlighting and Exceptional Ambient Lighting

Features

Lamp

- Designed for:
 - 1 vertical Q500 (max.) frosted tungsten halogen T-4.
- Mini-candelabra screw base.
- Rated 2000 hour life; 100 CRI.
- Dimmable (controls by others).

Lampholder

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

Reflectors

- Upper: Specular Alzak® ellipsoidal 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.

Lens

- RR30716: Tempered MicroLux (micropismatic) lens mounted to upper reflector (0.4 S/MH). Optional tempered C#73 prismatic glass (Option -15 with 0.6 S/MH) or tempered clear glass (Option -28 with 0.2 S/MH) available.

- RR30717: Tempered C#73 prismatic glass lens mounted to upper reflector (1.0 S/MH).

Housing

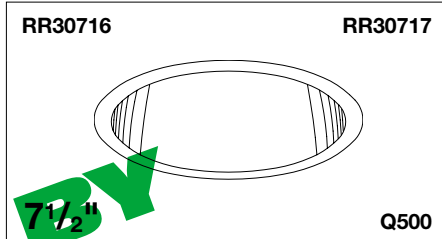
- Acrylic enameled 100% aluminum. Vented.
- Hydroformed conical heat sink portion of housing efficiently dissipates lamp base heat.
- Convection and radiation cooling by design, for maximum component life.
- Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire visible and serviceable from below through removable lower cone.
- Top access standard - simple procedure.
- 2" mounting collar permits thicker ceiling installations. Built-in plaster frame.

Outlet Box

- Prewired 14 GA (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. 2" collar (standard) permits thicker ceiling installations.



Four Distributions
from Very Narrow to Wide
High Light Output and Dimmable
10 Optional Lower Cone Finishes

- See "MARKED SPACINGS CAUTION" below.
- **UL, C-UL (Canada) Listings**
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12 AWG 105°C).

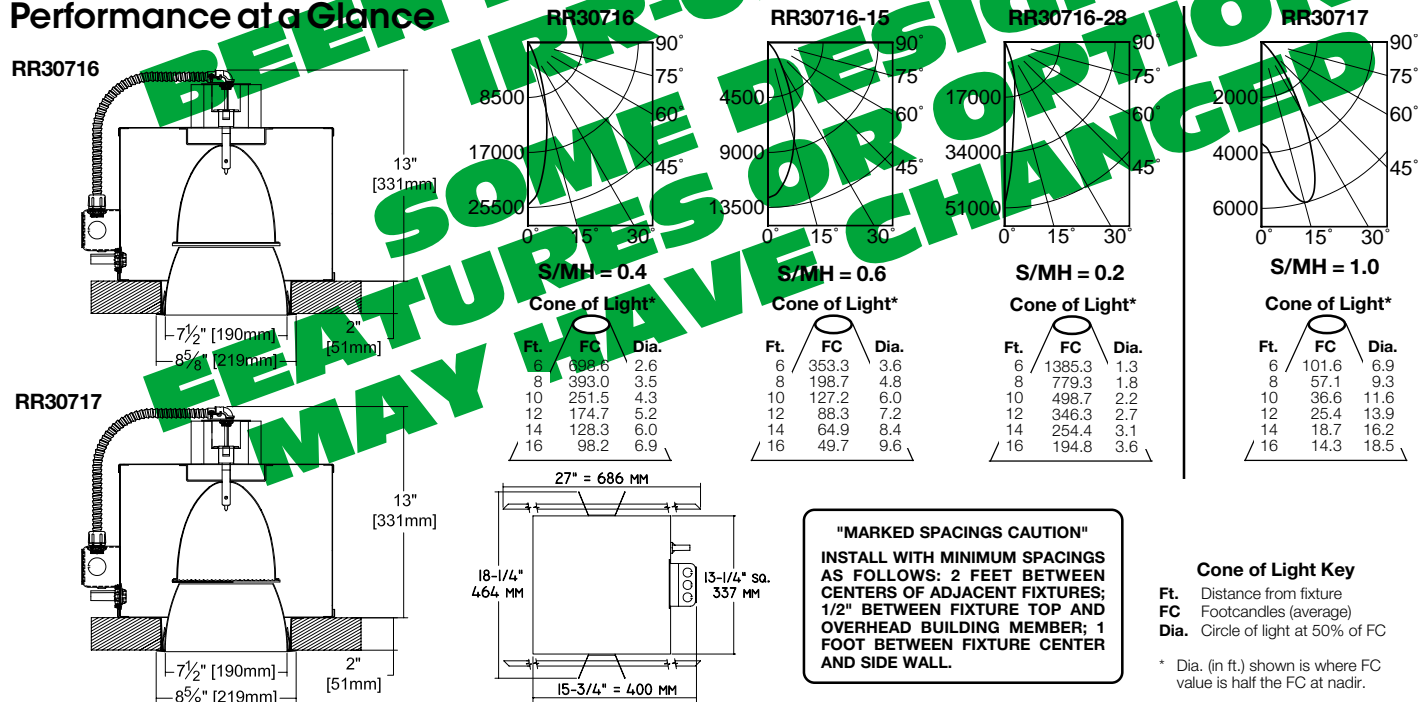
Three Year Limited Warranty

- 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

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
 (313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121

**NEW MILLENNIUM
 TUNGSTEN HALOGEN and
 INCANDESCENT LIGHTING**

LAMP
**T-4
 T-4**

MAXIMUM WATTAGE
**Q500
 Q500**

CATALOG NUMBERS
**RR30716
 RR30717**

**RR30716
RR30717**

RECESSED ROUND: Q500 WATT (MAX.) TUNGSTEN HALOGEN DOWNLIGHTS



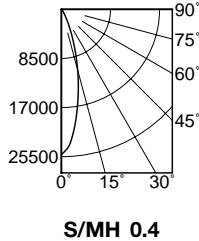
Detailed Photometry - Installed Fixture

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

RR30716: TEST NUMBER 45349
RR30716-28: TEST NUMBER 45347
RR30717: TEST NUMBER 47688

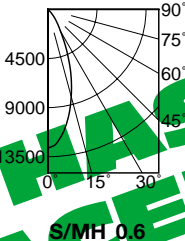
RR30716-15: TEST NUMBER 45348
RR30716-15-OG: TEST NUMBER 46338

RR30716 Efficiency = 68.2%



CANDLEPOWER DISTRIBUTION						COEFFICIENTS OF UTILIZATION							
RF	0.0					20							
	0.0	22.5	45.0	67.5	90.0	0	80	20	50	90			
0	25151	25151	25151	25151	25151	1	78	77	75	74	73	72	71
5	21970	21970	21970	21970	21970	2	76	73	71	69	70	68	67
15	10867	10867	10867	10867	10867	3	73	69	67	65	67	65	63
25	3026	3026	3026	3026	3026	4	70	66	64	61	64	62	60
35	602	602	602	602	602	5	68	64	61	58	62	60	58
45	130	130	130	130	130	6	66	61	58	56	60	57	55
55	8	8	8	8	8	7	64	59	56	54	58	55	53
65	0	0	0	0	0	8	62	57	54	52	56	53	51
75	0	0	0	0	0	9	60	55	52	50	54	51	50
85	0	0	0	0	0	10	58	53	50	48	52	49	48
90	0	0	0	0	0								

RR30716-15 Efficiency = 63.6%



CANDLEPOWER DISTRIBUTION						COEFFICIENTS OF UTILIZATION							
RF	0.0					20							
	0.0	22.5	45.0	67.5	90.0	0	80	20	50	90			
0	12717	12717	12717	12717	12717	1	87	87	87	87	87	87	87
5	11962	11962	11962	11962	11962	2	82	78	77	76	77	76	75
15	8275	8275	8275	8275	8275	3	77	73	71	69	70	68	67
25	3992	3992	3992	3992	3992	4	73	69	67	65	67	65	63
35	1432	1432	1432	1432	1432	5	70	66	64	61	64	62	60
45	350	350	350	350	350	6	68	64	61	58	62	60	58
5	1	1	1	1	1	7	66	61	58	56	60	57	55
15	0	0	0	0	0	8	64	59	56	54	58	55	53
25	0	0	0	0	0	9	62	57	54	52	56	53	51
35	0	0	0	0	0	10	60	55	52	50	54	51	50
45	0	0	0	0	0								
5	0	0	0	0	0								
15	0	0	0	0	0								
25	0	0	0	0	0								
35	0	0	0	0	0								
45	0	0	0	0	0								
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