

Low Brightness, High Output

Features

Lamp

- Designed for:
 - 2 horizontal Triple Tube 32 watt: RR80907.
 - 2 horizontal Triple Tube 42 watt: RR80908.
- 4 pin GX24q-3 base: RR80907.
- 4 pin GX24q-4 base: RR80908.
- 90% lumen output maintained at ballast minimum operating temperature.
- Flicker-free starting, high light output, excellent color rendering (82 CRI).
- Long 10,000 hour life.
- High efficiency with low operating costs.
- See Option -43 for lower wattage.

Ballast

- Regulating electronic high power factor, thermally protected, enclosed.
- RR80907: -5°C to 10°C (14° to 23°F) rated. Cold weather available, see Option -CW.
- RR80908: Cold weather standard. -18°C to -20°C (0°F to -5°F) rated.
- Built-in RIF filter. THD is less than 10%.
- 120 volt standard or see optional voltages.
- Single circuit wiring. See Option -84 for two-circuit wiring.
- Dimming optional. See Option -39 for availability and restrictions.
- Visible and easily serviced in all ceilings.

Fuse

- Available as Option -FS. Also see -FD.

Reflector

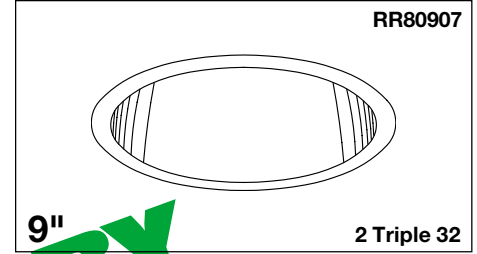
- Self-flanged low iridescence specular Alzak® aluminum reflector.
- Optional SofTex softly etched Clear, Dune, Champagne Gold or Wheat available.
- Optional OptiGroove assembly available.

Housing

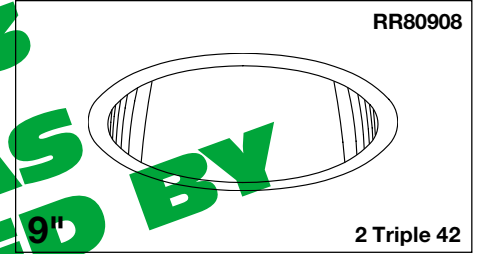
- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area. Ventilated.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable reflector.
- Rewired outlet box, 14GA (NEC) galvanized steel, UL listed. Accessible through fixture opening.
- Built-in plaster frame.

Installation

- 27" hanger bars supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Reflector and socket bracket adjust as unit for ease of installation.
- Recesses indoor or outdoor in covered locations.



66% Efficiency
Dimming Optional



61% Efficiency
45° Cut-Off: Low Brightness

UL, C-UL (Canada) Listings

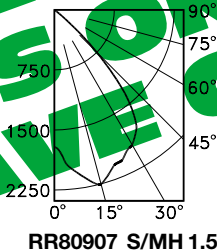
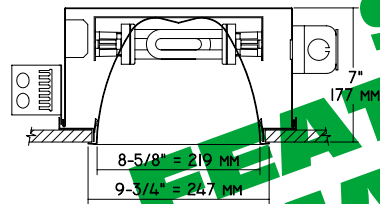
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty

- Complete standard fixture.

Performance at a Glance

RR80907



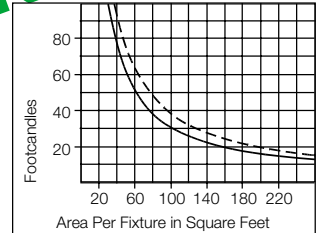
RR80907 S/MH 1.5

Cone of Light*

Ft.	FC	Dia.
6	47.2	8.2
8	26.6	11.0
10	17.0	13.7
12	11.8	16.4
14	8.7	19.2
16	6.6	21.9

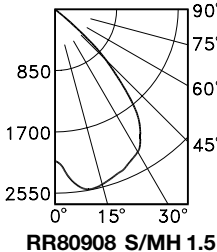
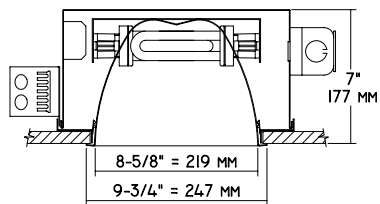
RR80907

Multiple Fixture FC Calculator**



RR80907 ——— RR80908 - - - -

RR80908



RR80908 S/MH 1.5

Cone of Light*

Ft.	FC	Dia.
6	58.1	8.2
8	32.7	11.0
10	20.9	13.7
12	14.5	16.5
14	10.7	19.2
16	8.2	21.9

RR80908

Cone of Light Key

- Ft.** Distance from fixture
- FC** Footcandles (average)
- Dia.** Circle of light at 50% of FC

* Dia. (in ft.) shown is where FC value is half the FC at nadir.
** Based on RCR2; ceiling 70%; wall 50%; floor 20%. Use S/MH shown for each fixture. Distribution curves and S/MH shown are 90° to lamp axis.

THE KIRLIN COMPANY

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

SECOND CENTURY SERIES
TRIPLE TUBE
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE
2 Triple 32
2 Triple 42

CATALOG NUMBERS
RR80907
RR80908

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

FROM I.T.L. (BOULDER, CO) RR80907: TEST NUMBER 42853
RR80908: TEST NUMBER 44505

RR80907

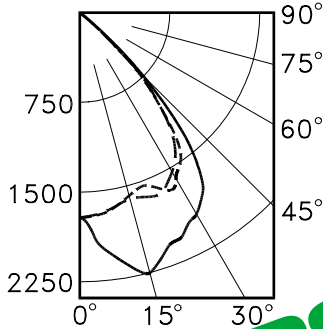
*LER = 44.4
•AEC = \$5.41

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	1700	1700	1700	1700	1700
5	1709	1814	1918	1860	1705
15	1580	1985	2253	1824	1608
25	1658	2064	2074	1779	1652
35	1410	1749	1777	1475	1420
45	585	819	752	539	591
55	18	101	71	24	14
65	2	2	2	2	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20							
	80				50			
	RW	70	50	30	10	50	30	10
1	75	73	71	69	68	67	66	66
2	70	67	64	61	63	61	59	59
3	66	61	57	54	58	55	53	53
4	62	56	52	49	54	50	48	48
5	58	52	47	44	50	46	43	43
6	54	48	43	40	46	42	39	39
7	51	44	39	36	43	39	36	36
8	48	41	36	33	39	35	33	33
9	45	38	33	30	37	33	30	30
10	42	35	31	28	34	30	28	28



*LER = Luminaire Efficiency Rating
LER = Luminaire Effic. x Total Lamp Lumens x Ballast Factor
Input Watts

•AEC = Annual Energy Cost per 1000 lumens (based on 3000 hours use @ \$0.08 KWH).

RR80908

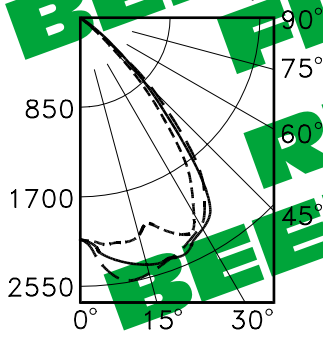
*LER = 39.1
•AEC = \$6.14

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2092	2092	2092	2092	2092
5	2122	2149	2241	2308	2334
15	2107	2249	2388	2510	2504
25	2221	2207	2397	2363	2327
35	1846	1926	2083	2092	2057
45	721	776	872	966	964
5	20	33	51	55	55
65	0	0	0	0	0
7	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20							
	80				50			
	RW	70	50	30	10	50	30	10
1	69	67	65	64	63	62	61	61
2	65	62	59	56	58	56	55	55
3	61	57	53	50	54	51	49	49
4	57	52	48	45	50	47	44	44
5	54	48	44	41	46	43	40	40
6	50	44	40	37	43	39	36	36
7	47	41	36	34	39	36	33	33
8	44	38	34	31	37	33	30	30
9	42	35	31	28	34	30	28	28
10	39	33	29	26	32	28	26	26



Estimated Multipliers
-70 SofTex Clear: CP x .93
-71 SofTex Dune: CP x .87
-90 SofTex Champagne Gold: CP x .90

-91 SofTex Wheat: CP x .87
-OG OptiGroove: CP x .75

Options

- 31 White reflector trim, self-flanged.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 39 Installed electronic dimming ballast. Consult factory for 18 or 26 watt for quantity and type required. Also see -84, -LE and -WD. Indoor use.
- 43 Lower wattage triple tube. Specify: RR80907: 2-26 or 2-18 watt; RR80908 see RR80907.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277 volt 60 Hz. ballast instead.
- 70 SofTex Clear softly etched self-flanged reflector. Resists smudges. (CP x .93)
- 71 SofTex Dune softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 73¹ Internal emergency "Ni-Cad" battery pack concealed in housing. One lamp. Switch and light unobtrusively located inside reflector. For indoor use.
- 74¹ Two lamp internal emergency "Ni-Cad" battery pack concealed in housing for 18, 26 or 32 watt. Consult factory for 42 watt. Switch and light unobtrusively located inside reflector. Indoor use.
- 79 Extension collar for up to 2" thick ceilings.
- 82 Sloped ceiling adapter. Specify slope in 5° increments up to 30°.
- 84 Fixture wired for two circuits. See Option -FD.
- 90 SofTex Champagne Gold softly etched self-flanged reflector. Resists smudges. (CP x .90)
- 91 SofTex Wheat softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 94 Specular Pewter or Umber or other specified custom color self-flanged reflector. Consult factory.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.
- 99 Special modification. Consult factory.
- CW Cold weather electronic HPF ballast for RR80907. -18°C to -20°C (0°F to -5°F). (Standard RR80908.)
- FD Double Fused primary. One per ballast. Replaceable. For use with Option -84.
- FS Fused. Replaceable. Aids servicing.
- LE With 4-pin electronic Triple Tube amalgam lamp(s). 82 CRI and 10,000 hour life. 3500°K or consult factory for 2700°K, 3000°K or 4100°K. Specify wattage and color temperature.
- OG OptiGroove black seamless tapered aluminum assembly. White trim, self-flanged. (CP x .75)
- WD Wall Dimmer for use with Option -39. Consult factory for use with 18 or 26 watt.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

¹Housing size increases to 13-1/4" square x 8-3/8" with Option -73 or -74.

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 his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the office of manufacturer within the 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 by purchaser or any person. This warranty is supplied on the understanding that other warranties, expressed or implied, shall not be construed to conflict with this warranty. Seller does not warrant as to merchantability or fitness for a particular use, nor will it be construed to constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void this warranty.