

Triple Tube Type IC Wall Wash

Features

Lamp

- Designed for:
 - 1 vertical Triple Tube 32 watt: RR80609.
 - 1 vertical Triple Tube 42 watt: RR80710.
- 4 pin GX24q-3 base: RR80609.
- 4 pin GX24q-4 base: RR80710.
- 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.
- RR80609: -5° to -10°C (14° - 23°F) rated. Cold weather available, see Option -CW.
- RR80710: 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.
- Dimming optional. See Option -39 for availability and restrictions.
- Visible and easily serviced in all ceilings.

Fuse

- Available as Option -F5.

Reflector

- Inner: Self-flanged low incidence specular Alzak® aluminum. Adjusts 360° for precise wall wash position.
- Optional Softex softly etched Clear, Dune, Champagne Gold or Wheat available.
- Optional double wall wash available.
- Outer: Etched and anodized 100% aluminum for uniform wall washing.

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 reflectors.
- Prewired 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.

6"

1 Triple 32

Type IC - Dimming Optional

7 1/2"

1 Triple 42

Type IC

- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings

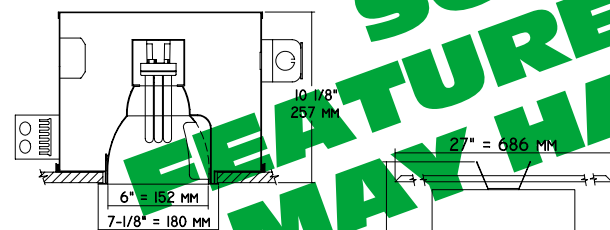
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).
- Type IC - Approved for direct contact with insulation.

Three Year Limited Warranty

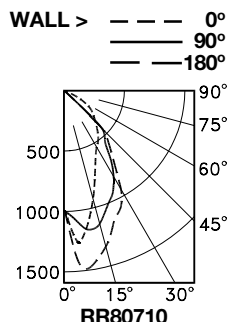
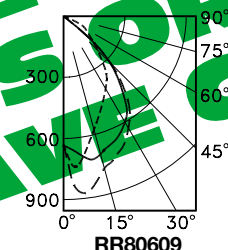
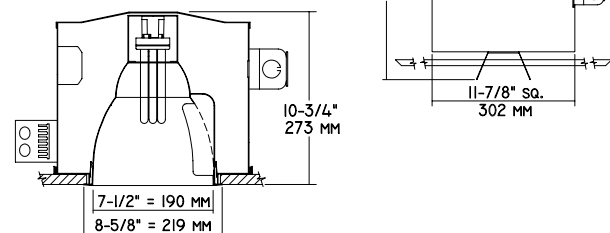
- Complete standard fixture.

Performance at a Glance

RR80609



RR80710



DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE				MULTIPLE FIXTURES			
	1'	2'	3'	4'	3' CENTERS	4' CENTERS	3' CENTERS	4' CENTERS
1	2.5	2.1	1.4	1.0	1.0	6.1	6.0	6.1
2	6.0	5.1	3.3	1.9	1.1	11.4	11.2	11.4
3	7.0	6.0	3.8	1.9	1.3	12.7	13.3	12.7
4	6.2	5.8	4.5	2.9	1.6	14.0	13.8	14.0
5	4.8	4.8	4.1	3.1	2.2	13.1	13.8	13.1
6	3.7	3.8	3.4	2.8	2.2	12.2	12.5	12.2
7	2.9	3.0	2.9	2.5	2.1	11.0	11.3	11.0
8	2.4	2.5	2.4	2.2	1.9	10.0	10.2	10.0
9	2.1	2.1	2.1	2.0	1.7	9.2	9.4	9.2

RR80609

DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE				MULTIPLE FIXTURES			
	1'	2'	3'	4'	3' CENTERS	4' CENTERS	3' CENTERS	4' CENTERS
1	2.1	1.8	1.4	1.2	1.1	6.7	6.6	6.7
2	10.0	8.5	4.9	2.3	1.3	16.8	17.1	16.8
3	10.0	8.4	5.5	3.1	1.9	18.6	18.4	18.6
4	8.6	7.5	5.8	3.9	2.3	18.9	18.1	18.9
5	6.6	6.3	5.3	3.9	2.9	17.2	18.1	17.2
6	5.0	5.1	4.7	3.7	2.9	16.2	16.8	16.2
7	4.0	4.2	4.0	3.4	2.8	15.1	15.5	15.1
8	3.5	3.5	3.4	3.1	2.6	13.9	14.2	13.9
9	3.2	3.1	3.0	2.8	2.5	13.0	13.3	13.0

RR80710

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

1 Triple 32
1 Triple 42

CATALOG NUMBERS

RR80609
RR80710

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

Alzak® is a registered trademark of ALCOA.

RR80609
RR80710

RECESSED ROUND: TRIPLE TUBE 32 and 42 WATT COMPACT FLUORESCENT

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR80609: TEST NUMBER 45247
RR80710: TEST NUMBER 45248

RR80609

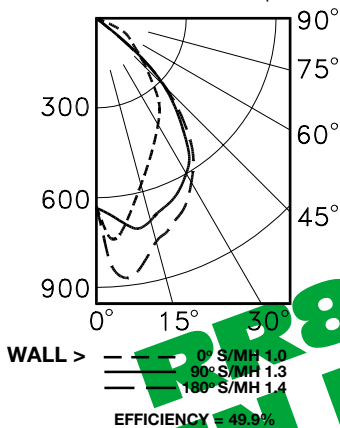
*LER = 33.5
•AEC = \$7.17

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	637	637	637	637	637
5	732	707	666	734	815
15	560	637	679	789	775
25	440	554	639	687	696
35	354	416	539	546	561
45	228	244	337	326	332
55	122	88	19	13	15
65	73	56	26	39	47
75	15	12	8	8	10
85	1	1	1	1	1
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
RC	80						
RW	70	50	30	10	50	30	10
1	56	54	53	51	51	50	49
2	52	49	47	45	47	45	43
3	49	45	42	39	43	40	38
4	46	41	38	35	39	36	34
5	43	38	34	31	36	33	31
6	40	34	31	28	33	30	28
7	37	32	28	26	31	28	25
8	35	29	26	23	28	25	23
9	33	27	24	21	26	23	21
10	31	25	22	20	25	22	20



*LER = Luminaire Efficiency Rating

LER = Luminaire Efficacy x Total Lamp Lumens x Ballast Factor
Input Watts

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

RR80710

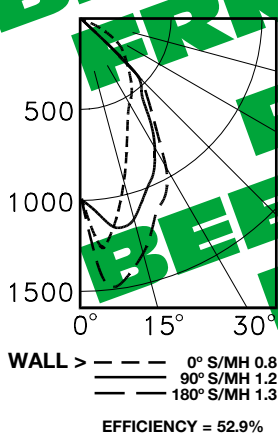
*LER = 35.7
•AEC = \$6.72

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	984	984	984	984	984
5	1217	1147	1049	1219	1385
15	907	996	1107	1253	1347
25	592	768	938	977	1089
35	480	530	695	682	734
45	328	315	441	374	427
55	209	145	34	32	36
65	73	62	22	59	97
75	6	6	4	6	7
85	1	1	1	1	1
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

	20						
	80						
RW	70	50	30	10	50	30	10
1	59	58	56	55	54	53	52
2	56	53	50	48	50	48	46
3	52	48	45	42	46	43	41
4	49	44	40	38	42	39	37
5	46	40	37	34	39	36	33
6	43	37	33	31	36	33	30
7	40	34	31	28	33	30	28
8	38	32	28	26	31	28	25
9	36	30	26	24	29	26	23
10	34	28	24	22	27	24	22



Estimated Multipliers

-70 SofTex Clear CP x .93 -90 SofTex Champagne Gold CP x .90
-71 SofTex Dune CP x .87 -91 SofTex Wheat CP x .87

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 or for quantity and type required. Also see Options -LE and -WD. Indoor use.
- 43 Lower wattage triple tube. Specify: RR80609: 1-26 or 18 W; RR80710: 1-32, 26 or 18 W.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277 volt 60 Hz. ballast instead.
- 70 SofTex Clear softly etched self-flanged inner

- reflector. Resists smudges. (CP x .93)
- 71 SofTex Dune softly etched self-flanged inner reflector. Resists smudges. (CP x .87)
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Indoor use. Switch and light unobtrusively located inside reflector.
- 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 inner reflector. Resists smudges. (CP x .90)
- 91 SofTex Wheat softly etched self-flanged inner reflector. Resists smudges. (CP x .87)
- 94 Specular Pewter or Umber or other specified custom color self-flanged inner 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 RR80609. -18°C to -20°C (0°F to -5°F). (Standard for RR80710.)
- DW Double wall wash. 180° opposite.
- FS Fused. Replaceable. Aids servicing.
- LE With 4-pin electronic Triple Tube amalgam lamp. 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.
- 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 _____

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, E.C., IN 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 offices of manufacturer within the year 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 for the purchase of a fixture and does not constitute a contract. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will void the warranty void.