

### Open Appearance with ShatterGuard™ Protection

#### Features

##### Lamp

- Designed for:
  - 1 vertical Triple Tube 32 watt: RR80714.
  - 1 horizontal Triple Tube 42 watt: RR80715.
- 4-pin GX24q-3 base: RR80714.
- 4-pin GX24q-4 base: RR80715.
- 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.
- RR80714: -5°F to -10°C (14° - 23°F) rated. Cold weather available, see Option -CW.
- RR80715: 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 / ShatterGuard

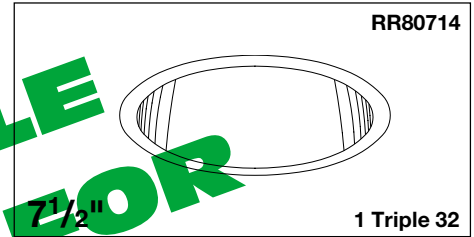
- Clear specular Alzak® aluminum upper reflector.
- ShatterGuard 1/8" clear polycarbonate lens below lamp, secured to upper reflector.
- Self-flanged low iridescence specular Alzak aluminum lower reflector.
- Optional SoftEx softly etched Clear, Dune, Champagne Gold or Wheat; or all white, Black specular Alzak, or OptiGroove lower reflectors 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 reflectors.
- Prewired outlet box, 14 GA (NEC) galvanized steel. UL listed. Accessible through fixture opening.
- Built-in plaster frame.

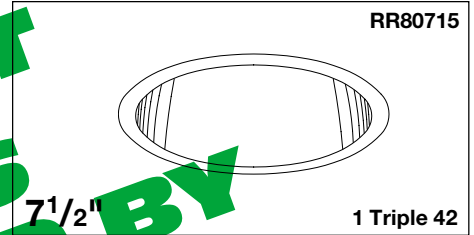
##### Installation

- 27" hanger bars supplied (2).
- Fully adjustable universal mounting



1 Triple 32

Food Processing - Cafeterias



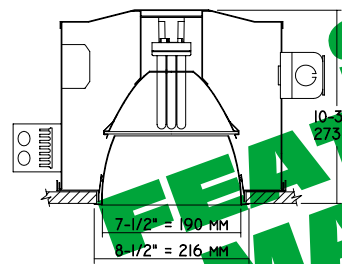
1 Triple 42

Nursing Homes - Hospitals

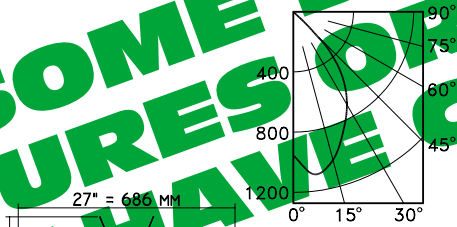
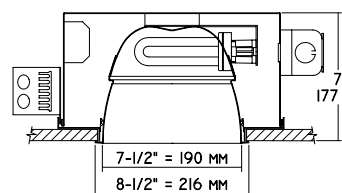
- brackets supplied (2).
- Recesses indoor or outdoor in covered locations.
- UL, C-UL (Canada) Listings**
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).
- Three Year Limited Warranty**
- Complete standard fixture.

#### Performance at a Glance

RR80714



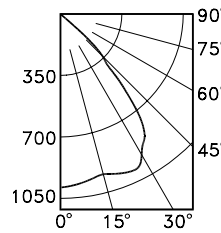
RR80715



RR80714 S/MH 1.1

Ft.	FC	Dia.
6	26.4	6.0
8	14.9	8.0
10	9.5	10.0
12	6.6	12.0
14	4.9	14.0
16	3.7	16.0

RR80714

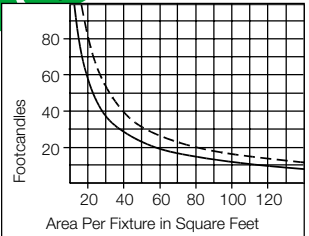


RR80715 S/MH 1.3

Ft.	FC	Dia.
6	26.6	7.5
8	14.9	10.0
10	9.6	12.5
12	6.6	15.0
14	4.9	17.5
16	3.7	20.0

RR80715

Multiple Fixture FC Calculator\*\*



RR80714 ——— RR80715 - - - -

#### 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 curve and S/MH shown for RR80715 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

1 Triple 32  
1 Triple 42

CATALOG NUMBERS

RR80714  
RR80715

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR80714: TEST NUMBER 43817  
RR80715: TEST NUMBER 45251

RR80714

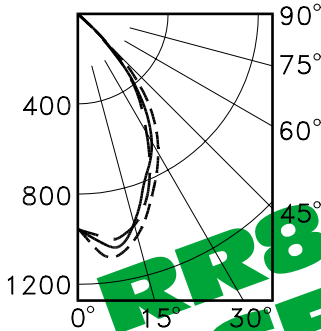
\*LER = 32.8  
•AEC = \$7.32

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	952	952	952	952	952
5	1034	1022	1000	981	979
15	994	994	937	945	946
25	777	759	726	742	725
35	537	519	486	484	480
45	179	166	153	175	181
55	30	28	27	27	26
65	1	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
95	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
	70	50	30	50	30	10
1	55	54	53	51	51	49
2	52	50	48	46	47	44
3	49	46	44	41	44	40
4	47	43	40	38	41	37
5	44	40	37	34	38	34
6	42	37	34	32	36	31
7	39	34	31	29	33	29
8	37	32	29	27	31	27
9	35	30	27	25	29	25
10	33	28	25	23	28	23



0° S/MH 1.1  
45° S/MH 1.0  
90° S/MH 1.0  
EFFICIENCY = 48.9%

\* 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).

RR80715

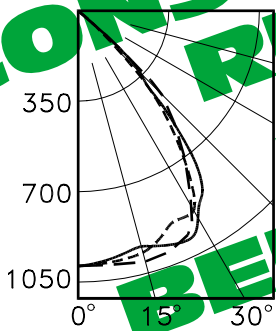
\*LER = 34.8  
•AEC = \$6.90

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	956	956	956	956	956
5	965	964	955	966	969
15	963	968	939	947	992
25	902	918	967	917	953
35	741	823	826	830	726
45	318	386	351	345	493
55	65	88	95	67	69
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
95	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
	70	50	30	50	30	10
1	58	56	55	54	53	51
2	55	52	49	47	49	46
3	51	47	44	42	45	41
4	48	43	40	37	42	37
5	45	40	36	34	38	33
6	42	37	33	30	35	30
7	39	34	30	28	33	27
8	37	31	28	25	30	25
9	35	29	25	23	28	23
10	33	27	23	21	26	21



0° S/MH 1.3  
90° S/MH 1.3  
180° S/MH 1.3  
EFFICIENCY = 51.5%

Estimated Multipliers

- 30 White lower reflector (CP x .90)
- 31 White lower reflector trim (CP x .85)
- 32 Trim extender (CP x .93)
- 39 SoftTex Dune (CP x .87)
- 70 SoftTex Clear (CP x .93)
- 71 SoftTex Dune (CP x .87)
- 72 Black specular Alzak self-flanged lower reflector (CP x .85)
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing (Switch and light unobtrusively located inside upper reflector. Indoor use.)
- 79 Extension collar for up to 2" thick ceilings.
- 82 Sloped ceiling adapter. Specify slope in 5° increments up to 30°.
- 90 SoftTex Champagne Gold softly etched self-flanged lower reflector. Resists smudges (CP x .90)
- 91 SoftTex Wheat softly etched self-flanged lower reflector. Resists smudges. (CP x .87)
- 94 Specular Pewter or Umber or other specified custom color self-flanged lower 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 RR80714. -18°C to -20°C (0°F to -5°F). (Standard for RR80715.)
- 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.
- OG OptiGroove black seamless tapered aluminum lower cone. White trim, self-flanged. (CP x .70)
- WD Wall Dimmer for use with Option -39. Consult factory for use with 18 or 26 watt.

Options

- 30 White lower reflector, self-flanged. (CP x .90)
- 31 White lower 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 26 or 18 watt (RR80714); 32, 26 or 18 watt (RR80715).
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277 volt 60 Hz. ballast instead.
- 70 SoftTex Clear softly etched self-flanged lower reflector. Resists smudges. (CP x .93)
- 71 SoftTex Dune softly etched self-flanged lower

- reflector. Resists smudges. (CP x .87)
- 72 Black specular Alzak self-flanged lower reflector. (CP x .85)
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Switch and light unobtrusively located inside upper reflector. Indoor use.
- 79 Extension collar for up to 2" thick ceilings.
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- OG OptiGroove black seamless tapered aluminum lower cone. White trim, self-flanged. (CP x .70)
- 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 \_\_\_\_\_

RR80714 & 15 NO LONGER AVAILABLE FOR REPLACEMENT BY RR80715. SOME DESIGNS OR OPTIONS MAY HAVE CHANGED.

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 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 on the understanding that other warranties, expressed or implied, shall not be construed as a warranty of or against this specific warranty. Abandonment of 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.