

### Low Brightness, High Output Squares

#### Features

##### Lamp

- Designed for:
  - 2 horizontal Triple Tube 42 watt.
- 4-pin GX24q-4 base.
- 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, encased.
- Cold weather. -18°C to -20°C (0°F to -5°F).
- 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

- RS80743: Self-flanged one piece reflector. White finish and white trim.

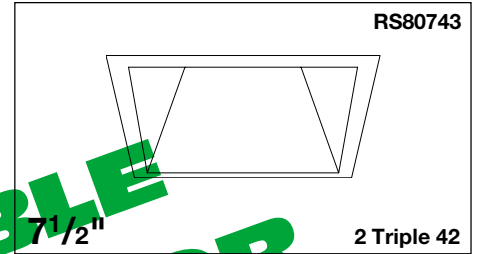
- RS80944: Upper: Full size self-flanged reflector. White finish. Lower: non-iridescent semi-specular anodized aluminum. Snap-in, self-flanged 4 cell parabolic louver. Full 3" depth for superior shielding angle and low brightness.

##### Housing

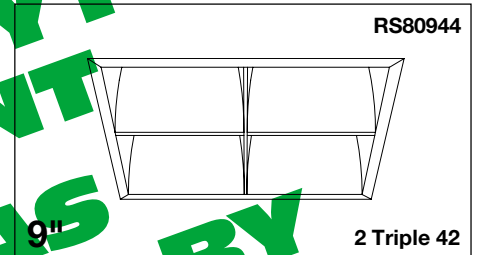
- Acrylic enameled aluminum.
- Cool. Dissipates heat across entire surface area. Ventilated.
- Rustproof. Exceeds 1000-hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable reflector.
- Prewired outlet box: 14 GA (NEC) galvanized steel. UL listed. Accessible through fixture opening.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

##### Installation

- 27" hanger bars supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Reflector and socket bracket adjust as unit for ease of installation (RS80743 only).
- Recesses indoor or outdoor in covered locations.



**58% Efficiency**  
**Open Square**



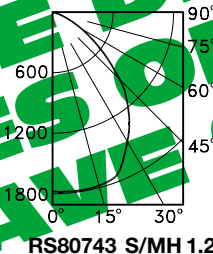
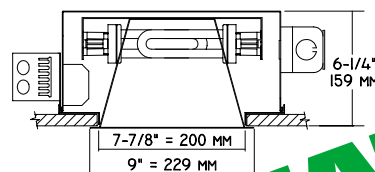
**46% Efficiency**  
**Open Parabolic Louver**

##### 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.

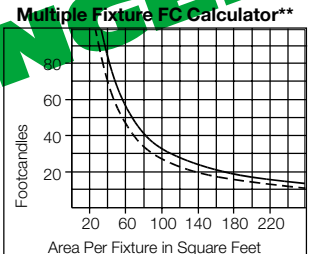
#### Performance at a Glance

RS80743



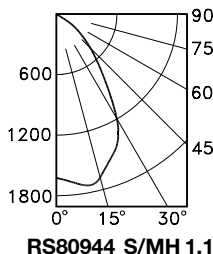
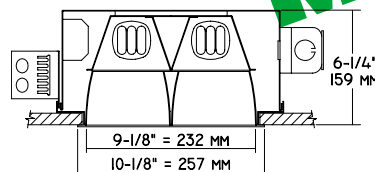
Ft.	FC	Dia.
6	48.3	6.9
8	27.1	9.2
10	17.4	11.5
12	12.1	13.8
14	8.9	16.1
16	6.8	18.4

RS80743



RS80743 ——— RS80944 - - - -

RS80944



Ft.	FC	Dia.
6	45.0	6.8
8	25.3	9.1
10	16.2	11.4
12	11.3	13.7
14	8.3	16.0
16	6.3	18.3

RS80944

##### 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 42**  
**2 Triple 42**

CATALOG NUMBERS  
**RS80743**  
**RS80944**

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) RS80743: TEST NUMBER 45271  
RS80944: TEST NUMBER 45272

RS80743

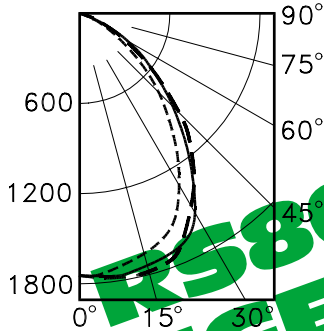
\*LER = 39.1  
•AEC = \$6.14

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1737	1737	1737	1737	1737
5	1734	1740	1760	1774	1781
15	1659	1714	1743	1766	1776
25	1470	1546	1620	1621	1597
35	1158	1247	1302	1315	1310
45	778	852	912	972	960
55	433	455	526	522	497
65	238	233	240	242	240
75	107	109	110	112	112
85	26	26	26	27	27
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
	80		50			
1	70	50	30	50	30	10
2	64	62	60	58	57	55
3	59	55	52	49	52	47
4	55	49	45	42	47	41
5	47	40	36	32	38	36
6	44	37	32	29	35	28
7	41	34	29	26	32	25
8	38	31	26	23	30	23
9	36	28	24	21	27	24
10	34	26	22	19	26	21



\* 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).

RS80944

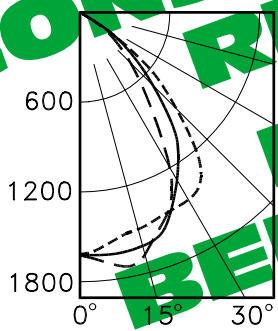
\*LER = 31.1  
•AEC = \$7.72

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1621	1621	1621	1621	1621
5	1603	1614	1634	1651	1658
15	1508	1553	1641	1690	1692
25	1456	1520	1488	1409	1418
35	1369	1392	1130	955	938
45	923	1022	719	515	508
55	398	381	311	269	268
65	54	53	46	50	44
75	14	14	13	13	12
85	2	3	2	4	4
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20					
	80		50			
1	70	50	30	10	50	10
2	52	50	49	47	47	45
3	48	45	43	41	43	40
4	45	41	38	36	39	35
5	42	37	34	32	36	31
6	39	34	31	28	33	28
7	36	31	28	25	30	25
8	34	29	25	23	28	23
9	32	26	23	21	26	21
10	30	24	21	19	24	19
11	28	23	20	17	22	17



Options

- 12 Clear flat polycarbonate above louver. (RS80944 only)
- 15 Prismatic tempered, shock-resisting, low brightness flat C#73 spread distribution lens above louver. (RS80944 only)
- 28 UV absorbing clear tempered glass above louver. (RR80944 only)
- 39 Installed electronic dimming ballast. Consult factory for 18 or 26 watt or for quantity and type required. Also see Options -84, -LE and -WD.
- 43 Lower wattage triple tube: Specify 2-32, 2-26 or 2-18 watt.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Controls one lamp. Switch and light unobtrusively located inside reflector. For indoor use.
- 74 Two lamp internal emergency "Ni-Cad" battery pack concealed in housing for 18, 26 or 32 watt. Consult factory for 42 watt. Switch and visible light unobtrusively located inside reflector. For indoor use.
- 79 Extension collar for up to 2" thick ceilings.
- 84 Fixture wired for two circuits. See Option -FD.
- 94 Custom color self-flanged reflector / reflector assembly. Specify parts. 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 For use with -43 (32 or 26 watt): Cold weather electronic HPF ballast instead. -18°C to -20°C (0°F to -5°F). (Standard for 42 watt)
- FD Double Fused primary. One per ballast. Replaceable. For use with Option -84.
- FS Fused primary. One per fixture. Replaceable.
- LE With 4-pin electronic amalgam Triple Tube 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.
- 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 \_\_\_\_\_

LONGER AVAILABLE FOR CONSULT FACTORY FOR REPLACEMENT BY RS80944 HAS BEEN REPLACED BY RS80944 SOME DESIGN FEATURES 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, MAINTENANCE, AND REPAIRS ARE THE RESPONSIBILITY OF THE USER. THE PURCHASER'S PRICE ON PRESENTATION OF PROOF OF PURCHASE AND DEFECTIVE FIXTURE AT THE OFFICE OF THE MANUFACTURER WITHIN THE YEARS OF ORIGINAL INVENTORY. LIGHTING 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 EXCLUSIVE USE OF THE PURCHASER AND IS NOT VALID UNLESS ACCOMPANIED BY THE ORIGINAL INVOICE. THIS WARRANTY IS VOID WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER.