

High Output Regressed Squares

Features

Lamp

- Designed for:
 - 2 horizontal Triple Tube 32 watt: RS80949.
 - 2 horizontal Triple Tube 42 watt: RS81250.
- 4-pin GX24q-3 base: RS80949.
- 4-pin GX24q-4 base: RS81250.
- See Option -43 for lower wattage.

Ballast

- Regulating electronic high power factor, thermally protected, encased.
- RS80949: -5° to -10°C (14° - 23°F) rate of operation. Cold weather available, see Option -43.
- RS81250: Cold weather performance from 0°C to -20°C (0°F to -4°F).
- Built-in RIF filter. Total harmonic distortion less than 10%.
- Single circuit wiring or see Option -8.
- 120 volt standard or see Option -9 for other voltages.
- Dimming option available. See Option -39 for available dimming systems.
- Dimming only serviceable.

Fuse

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

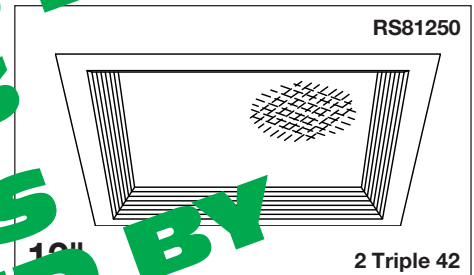
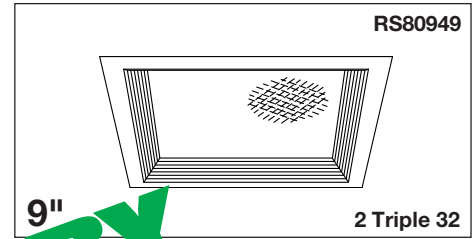
Reflector

- GlasSurfaced™ multi-faceted square reflector in aluminum.

Trim Assembly

- Tapered black OptiGroove with white flange.

- Self-flanged trim.
- Regressed, prismatic, tempered low brightness C#73 spread distribution.
- Torsion springs retain spring flange.
- White grooveless finish available. (See Option -43)
- Acrylic or metal lens; anodized aluminum or black available. Ergonomic tubular optional.
- Acrylic or metal lens.
- Torsion springs retain spring flange.
- Rustproof. Electroplated. Meets your ASTM 5% salt spray test.
- One wire service through removable trim assembly.
- Prewired outlet bracket GA (NEMA) galvanized steel included. Accessible through wire opening.
- 27" hole for mounting (2).
- 5/8" diameter universal mounting bracket supplied (2).
- Requires 1/2" hole for mounting in covered locations.

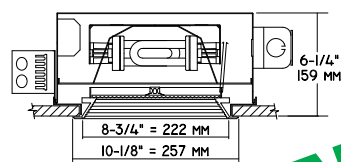


UL (Canada) Listings

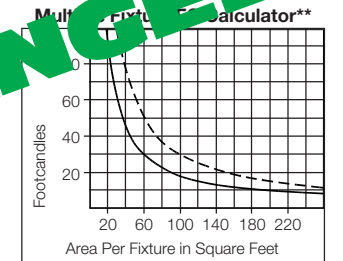
- Wet, damp or dry locations, covered ceilings.
- Through junction circuit conductors.
- See UL Limited Warranty for complete standard listing.

Performance at a Glance

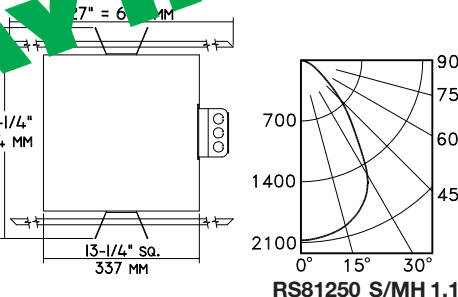
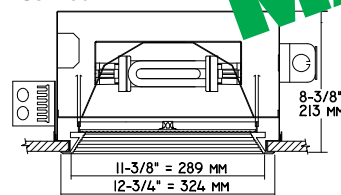
RS80949



Ft.	FC	Dia.
6	31.1	6.4
8	19.1	8.5
10	12.2	10.7
12	8.5	12.8
14	6.2	14.9
16	4.8	17.1



RS81250



Ft.	FC	Dia.
6	31.1	6.4
8	19.1	8.5
10	12.2	10.7
12	8.5	12.8
14	6.2	14.9
16	4.8	17.1

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 data 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
 RS80949
 RS81250

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

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RS80949: TEST NUMBER 45277
RS81250: TEST NUMBER 45278

RS80949

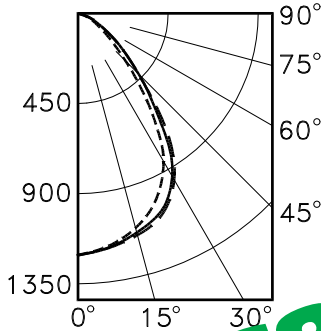
*LER = 28.2
•AEC = \$8.50

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1221	1221	1221	1221	1221
5	1213	1212	1213	1214	1215
15	1137	1142	1157	1172	1177
25	955	981	1036	1059	1060
35	692	724	787	824	825
45	362	389	447	452	453
55	158	174	211	211	211
65	77	85	81	81	84
75	30	30	32	32	32
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
1	47	46	44	43	43	42	41
2	44	41	39	37	39	37	36
3	41	37	35	33	36	33	32
4	38	34	32	29	32	30	28
5	35	31	28	26	30	27	25
6	33	28	25	23	27	25	23
7	31	26	23	21	25	23	21
8	29	24	21	19	23	21	19
9	22	19	17	16	22	19	17
10	21	18	16	16	20	18	16



0° S/MH 1.0
45° S/MH 1.1
90° S/MH 1.1
EFFICIENCY = 42.1%

* LER = Luminaire Efficacy Ratio
= (lm/W) / (lm/W) x Total Luminaire Efficacy Factor

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

RS81250

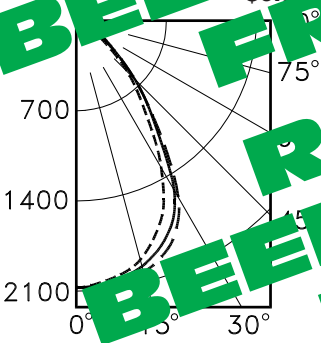
*LER = 28.5
•AEC = \$6.97

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1061	1061	1061	1069	1070
5	1036	1032	1059	1070	1071
15	936	1916	1700	1700	1701
25	1549	1777	1769	1771	1771
35	581	624	624	624	624
45	258	255	255	255	306
55	129	151	143	143	143
65	61	61	67	67	67
75	2	2	2	2	2
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
1	53	54	52	52	51	50	
2	50	47	45	47	45	44	
3	50	45	42	43	41	38	
4	46	41	39	39	37	34	
5	43	38	36	36	34	31	
6	41	36	34	34	32	29	
7	39	34	32	32	30	27	
8	36	30	28	28	25	23	
9	33	27	25	25	22	20	
10	32	26	24	24	21	19	



0° S/MH 1.0
45° S/MH 1.1
90° S/MH 1.1
EFFICIENCY = 51.0%

Options

- 13 Clear 1/8" flat polycarbonate bezel with prismatic flat lens above lens.
- 17 Prismatic 3/16" clear acrylic bezel instead.
- 18 Anopal flat glass bezel instead. Diffuser not etched.
- 20 White 1/2" cut aggregate aluminum bezel.
- 21 White translucent flat polycarbonate bezel.
- 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.
- 40 White grooveless flare trim instead.
- 43 Lower wattage triple tube: Specify 2-26 or 18 watt (RS80949); 2-32, 26 or 18 watt (RS81250).
- 66 Gasket between trim and bezel.
- 67 Gasket between trim and lens.
- 58 277 volt 60 Hz ballast instead.
- 73 18 watt emergency "Ni-Cad" battery pack concealed in housing. Controls one lamp.
- 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 located above lens. For indoor use.
- 84 Fixture wired for two circuits. See Option -FD.
- 94 Custom color trim assembly. 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 regulating electronic HPF ballast for RS80949. Rated -18°C to -20°C (0°F to -5°F). (Standard for RS81250)
- FD Double Fused primary. One per ballast. Replaceable. For use with Option -84.
- FR Fresnel tempered regressed lens. Concentric prisms.
- FS Fused. Replaceable. Aids servicing.
- LE With 4-pin electronic amalgam Triple Tube 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 _____

RS80949 HAS BEEN REPLACED BY FRS-09105-43
 RS81250 HAS BEEN REPLACED BY FRS-11106-43
 SOME DESIGN FEATURES OR OPTIONS MAY HAVE CHANGED

LIMITED WARRANTY: CATALOGED 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 offices of manufacturer within the three 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 or suffered by purchaser or any person. This warranty is supplied on the understanding that other warranties, expressed or implied, shall not in any way be construed to modify, impair, or extend this warranty. 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 this warranty.