

Regressed Lens; Shallow Plenum Accents

Features

Lamp

- Designed for:
 - 1 horizontal Triple Tube 32 watt: RS80647.
 - 1 horizontal Triple Tube 42 watt: RS80848.
- 4-pin GX24q-3 base: RS80647.
- 4-pin GX24q-4 base: RS80848.
- 90% lumen output maintained at ballast minimum operating temperature.
- Flicker-free starting, high light output, excellent color rendering (82 CRI).
- See Option -43 for lower wattage.

Ballast

- Regulating electronic high power factor, thermally protected, encased.
- RS80647: -5° to -10°C (14° to -23°F) rated. Cold weather available, see Option -CW.
- RS80848: 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 -FS.

Reflector

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

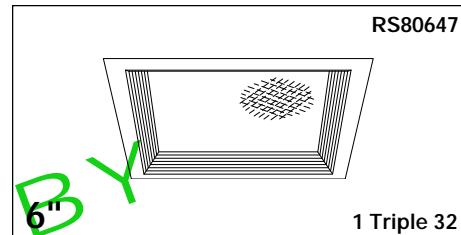
- Tapered black OptiGroove with white flange.
- Self-flanged trim.
- Regressed, tempered prismatic C#73 lens.
- Tension springs retain snug fit to ceiling.
- White grooveless flare trim and other lens or trims are optional.

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 trim assembly.
- Prewired outlet box; 14GA (NEC) galvanized steel. UL listed. Accessible through fixture opening.
- Built-in plaster frame.

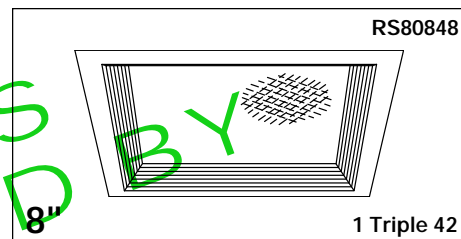
Installation

- 27" hanger bars supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.



1 Triple 32

Inconspicuous Accent Lighting



1 Triple 42

Shallow Plenum

UL, C-UL (Canada) Listings

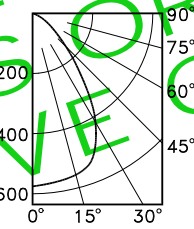
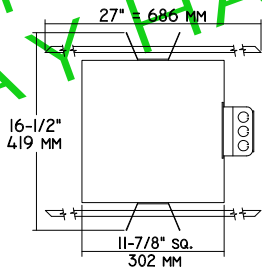
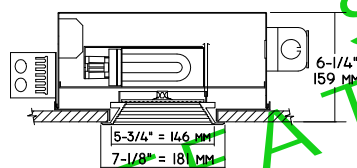
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty

- Complete standard fixture.

Performance at a Glance

RS80647

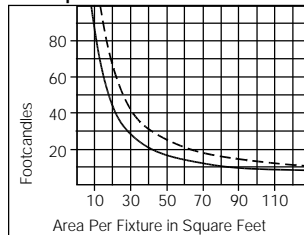


RS80647 S/MH 1.1

Ft.	FC	Dia.
6	16.0	6.1
8	9.0	8.1
10	5.8	10.2
12	4.0	12.2
14	2.9	14.2
16	2.3	16.3

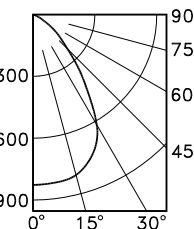
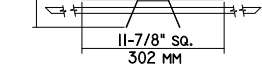
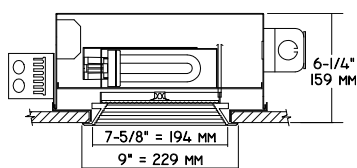
RS80647

Multiple Fixture FC Calculator**



RS80647 — RS80848 - - -

RS80848



RS80848 S/MH 1.1

Ft.	FC	Dia.
6	22.7	6.4
8	12.8	8.6
10	8.2	10.7
12	5.7	12.9
14	4.2	15.0
16	3.2	17.1

RS80848

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

1 Triple 32
1 Triple 42

CATALOG NUMBERS

RS80647
RS80848

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

RS80647
RS80848

RECESSED SQUARE: TRIPLE TUBE 32 and 42 WATT COMPACT FLUORESCENT

KIRLIN

Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RS80647: TEST NUMBER 45275
RS80848: TEST NUMBER 45276

RS80647

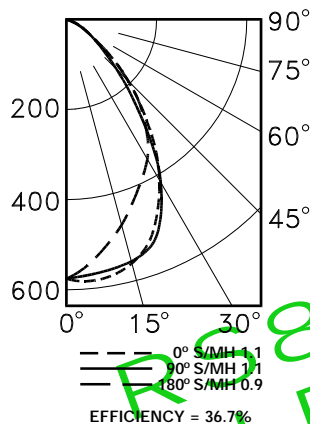
*LER = 24.6
•AEC = \$9.75

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	576	576	576	576	576
5	586	585	574	557	546
15	559	568	554	498	465
25	469	495	482	418	386
35	345	362	334	315	311
45	191	201	159	182	202
55	88	86	65	82	96
65	31	32	31	31	34
75	6	8	6	7	6
85	1	1	1	1	1
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	41	40	39	38	38	37	36
2	38	36	34	33	34	33	32
3	36	33	31	29	31	30	28
4	33	30	27	26	29	27	25
5	31	27	25	23	26	24	22
6	29	25	23	21	24	22	20
7	27	23	21	19	22	20	19
8	26	22	19	17	21	19	17
9	24	20	17	16	19	17	16
10	23	19	16	14	18	16	14



* 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).

RS80848

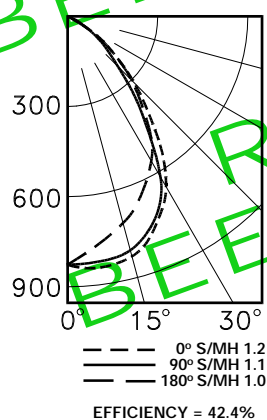
*LER = 28.6
•AEC = \$8.38

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	817	817	817	817	817
5	831	829	816	798	785
15	812	814	789	734	708
25	712	733	702	644	613
35	549	560	502	491	502
45	327	319	247	287	318
55	135	147	116	132	132
65	40	58	51	53	60
75	21	20	23	16	19
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	47	46	45	43	43	42	41
2	44	42	39	38	39	38	36
3	41	38	35	33	36	34	32
4	38	34	31	29	33	30	28
5	36	31	28	26	30	27	25
6	33	29	26	23	28	25	23
7	31	26	23	21	26	23	21
8	29	24	21	19	24	21	19
9	28	23	20	18	22	19	17
10	26	21	18	16	21	18	16



Options

- 13 Clear 1/8" flat polycarbonate below, with prismatic flat #73 lens above.
- 17 Prismatic 3/16" high strength acrylic instead.
- 18 Anopal flat glass. Not enameled. Diffusing.
- 20 White 1/2" cube eggcrate aluminum louver.
- 21 White translucent flat polycarbonate instead.
- 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.
- 40 White grooveless flare trim instead.

-43 Lower wattage triple tube: Specify 1-26 or 18 watt (RS80647), 1-32, 26 or 18 watt (RS80848).

- 45 Gasket between trim and ceiling.
- 46 Gasket between trim and lens.
- 58 277 volt 60 Hz. ballast instead.
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Switch and visible light located above lens. For indoor use.
- 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 RS80647. Rated -18°C to -20°C (0°F to -5°F). (Standard for RS80848)

- FS Fused primary. One per fixture. 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 _____

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 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 to the buyer in place of all other warranties, expressed or implied. 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. Abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will render this warranty void.