

### Regressed Lens Triple Tube Downlights

#### Features

##### Lamp

- Designed for:
  - 1 vertical Triple Tube 26 watt: RR80621.
  - 1 horizontal Triple Tube 32 watt: RR80622.
- 4-pin GX24q-3 base.
- 90% lumen output maintained over 10,000 hour minimum operating life.
- Flicker-free stable high light output and excellent color rendering (82 CRI).
- Long 10,000 hour life.
- High efficiency and low operating costs.
- See Option -47 for lower wattage.
- Operating electronic high power factor, thermally protected, enclosed.
- Starting temperature -5° to -10°C (14° to 23°F). See Option -CW for cold weather.
- Built-in RIF filter. THD is less than 5%.
- 120 volt standard or see Option -38 for 277 voltages.
- See Option -39 for dimming availability.
- Visible and easily serviced in all locations.

##### Fuse

- Available as Option -50.

##### Reflector

- Specular anodized aluminum.

##### Trim Assembly

- Regressed lens tapered blade.
- White flange trim.
- Regressed polished tapered louver.
- 1/32" spread diameter.
- Precision springs retaining louver.
- White flange trim.
- Aggregate louver available in 10 colors.

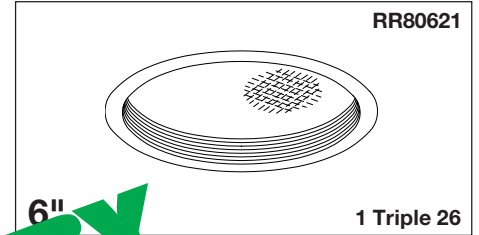
- Acrylic or fresnel lens; anopal or polycarbonate available. See Option -39.

##### Housing

- Acrylic end cap of all aluminum.
- Corrosion resistant across entire housing.
- Fully ventilated.
- IP67 waterproof. Exceeds 1000 hrs. ASTM 5% salt spray.
- Fully serviceable through trim assembly.
- Rewired outlet for 120V (NEC) galvanized steel listed. Accessible through trim opening.
- Mounts in plaster frame.

##### Installation

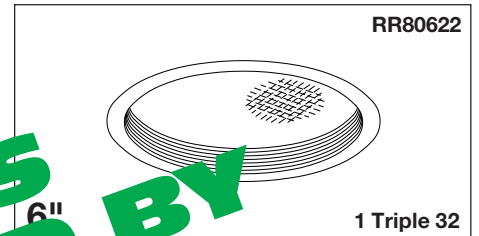
- 27" hanger bars supplied (2).



6"

1 Triple 26

Inconspicuous Aperture



6"

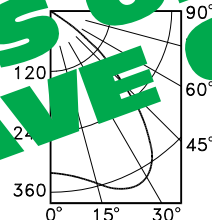
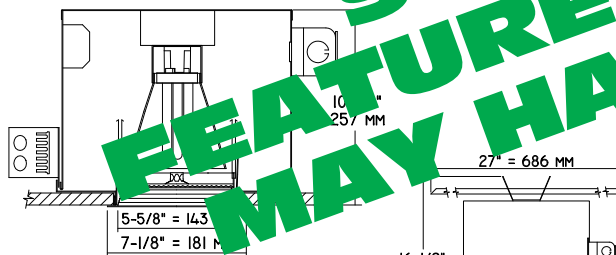
1 Triple 32

Dimming Optional

- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered location.
- UL (Canada) Listing.
- Wet, damp or dry locations, covered ceilings.
- Through panel circuit conductor #12).
- See Limited Warranty.
- Complete start-up kit.

#### Performance at a Glance

RR80621



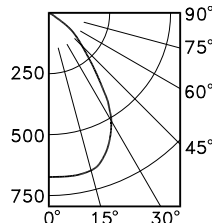
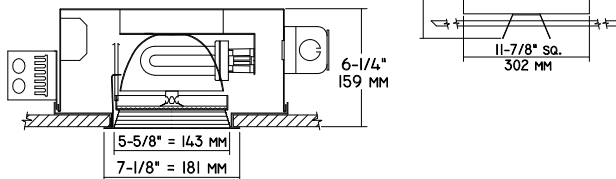
RR80621 S/MH 1.5

Cone of Light\*

Ft.	FC	Dia.
6	8.6	8.7
8	4.8	11.7
10	3.1	14.6
12	2.1	17.5
14	1.6	20.4
16	1.2	23.3

RR80621

RR80622



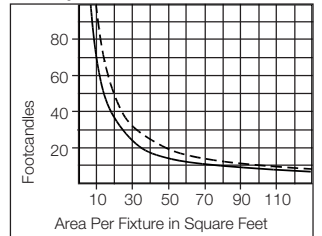
RR80622 S/MH 1.1

Cone of Light\*

Ft.	FC	Dia.
6	19.1	6.2
8	10.8	8.3
10	6.9	10.4
12	4.8	12.5
14	3.5	14.5
16	2.7	16.6

RR80622

#### Multiple Fixture FC Calculator\*\*



RR80621 ——— RR80622 - - - -

#### 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 RR80622 are 90° to lamp axis.

## THE KIRLIN COMPANY

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SECOND CENTURY SERIES  
TRIPLE TUBE  
COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

1 Triple 26  
1 Triple 32

CATALOG NUMBERS

RR80621  
RR80622

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

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Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR80621: TEST NUMBER 42382  
RR80622: TEST NUMBER 45417

RR80621

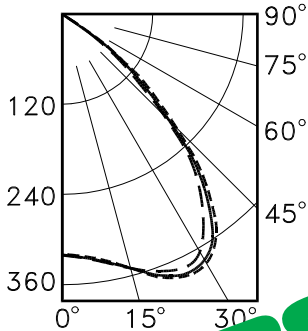
\*LER = 26.5  
•AEC = \$9.04

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	308	308	308	308	308
5	314	314	313	313	313
15	352	351	349	346	344
25	382	382	380	374	371
35	338	336	335	330	328
45	188	188	187	185	184
55	73	76	77	78	79
65	25	25	25	23	23
75	0	0	0	4	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	47	45	44	43	43	42	41
2	44	41	39	37	39	37	36
3	41	37	34	33	35	33	31
4	38	34	31	30	32	30	28
5	35	31	28	27	29	27	25
6	33	28	25	24	26	24	22
7	30	26	22	20	23	21	20
8	28	23	20	18	21	19	18
9	27	22	19	16	20	18	16
10	25	20	17	15	19	17	15



EFFICIENCY = 41.9%  
\* LER = Lamp Efficacy × Total Luminaire Efficacy × Ballast Factor  
• AEC = Annual Energy Cost per 100 lumens (based on 3000 hours use @ \$0.08 kWh)

RR80622

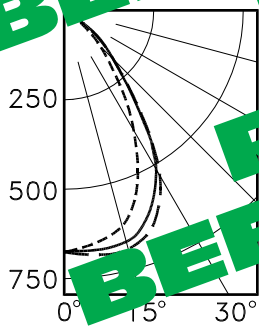
\*LER = 28.1  
•AEC = 8.5

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	308	308	308	308	308
15	332	331	329	326	324
25	382	382	380	374	371
35	338	336	335	330	328
45	188	188	187	185	184
55	68	74	74	79	80
65	25	25	25	23	23
75	0	0	0	4	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	47	46	44	43	43	42	41
2	44	42	40	38	39	38	37
3	41	38	35	33	36	34	33
4	39	35	32	30	33	31	29
5	36	32	29	27	31	29	27
6	33	29	26	24	28	26	24
7	30	27	24	22	26	24	22
8	28	25	22	20	24	22	20
9	27	24	21	19	23	21	19
10	25	22	19	17	22	20	18



EFFICIENCY = 41.9%  
--- 0° S/MH 1.0  
--- 90° S/MH 1.1  
--- 180° S/MH 1.2

Options

- 13 Clear 1/8" flat polycarbonate bezel with prismatic flat C#73 lens.
- 14 Dropped Anodized Aluminum. Not enameled.
- 17 Prismatic 3/16" high-strength aluminum.
- 18 Anopal flat glass. Not enameled.
- 20 White 1/2" cube eggcrate aluminum louver.
- 21 White translucent flat polycarbonate instead.
- 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.
- 40 Grooveless flat white trim. Tempered polycarbonate. Specify optional lens.
- 43 Lens. Specify tube. Specify 18 watt (RR80621) or 18 watt (RR80622).
- 45 Gasket above trim flange (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.
- 76 Drop white polycarbonate diffuser instead.
- 82 Sloped ceiling adapter. Specify slope in 5° increments up to 30°.
- 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 electronic HPF ballast. -18°C to -20°C (0°F to -5°F).
- FR Fresnel tempered lens. Concentric prisms.
- FS Fused. Replaceable. Aids servicing.
- FT Flat white trim instead. With tempered prismatic C#73 lens or specify optional lens.
- 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, ETC., IS NOT 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 first 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 to modify or limit this warranty. Seller does not warrant as to merchantability or fitness for a particular use, nor liability of statement constitute a warranty or amend the 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.