

Triple Tube Type IC Open Downlights

Features

Lamp

- Designed for:
 - 1 vertical Triple Tube 26 watt: RR90629.
 - 1 vertical Triple Tube 32 watt: RR90730.
- 4 pin GX24q-3 base.
- 90% lumen output maintained at ballast minimum operating temperature.
- Flicker-free starting, high light output, excellent color rendering (82 CRI).
- High efficiency with low operating costs.
- See Option -43 for lower wattage.

Ballast

- Regulating electronic high power factor, thermally protected, encased. -10°C (13°F) rated. THD is less than 10%.
- Built-in RIF filter.
- 120 volt standard or see optional voltages.
- Dimming optional. (See Option -39)
- Visible and easily serviced in all ceilings.

Fuse

- Available as Option -FS.

Reflector

- Self-flanged low iridescence specular Alzak® aluminum reflector.
- Optional SofTex softly etched Clear, Dune, Champagne Gold or Wheat reflectors available.
- Optional OptiGroove assembly available.

Housing

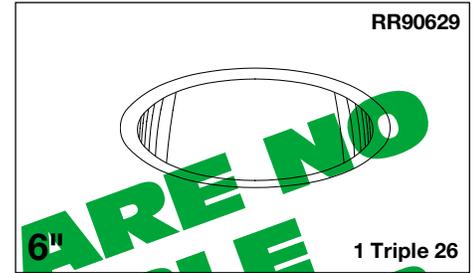
- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area. Ventilated.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable reflector.
- Prewired outlet box; 14GA (NEC) galvanized steel. UL listed. Accessible through fixture opening.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

Installation

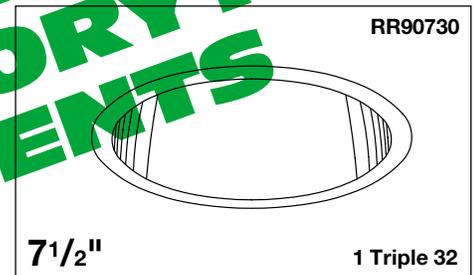
- 27" hanger bars supplied (2).
 - Fully adjustable universal mounting brackets supplied (2).
 - Reflector and socket bracket adjust as unit for ease of installation.
 - Recesses indoor or outdoor in covered locations.
- UL, C-UL (Canada) Listings**
- Wet, damp or dry locations, covered ceilings.
 - Through-branch circuit conductors (6 #12).
 - Type IC - Approved for direct contact with insulation.

Three Year Limited Warranty

- Complete standard fixture.



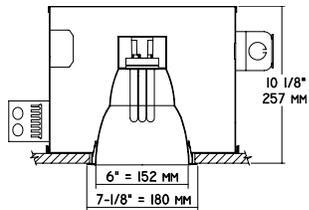
67% Efficiency
Flicker-Free



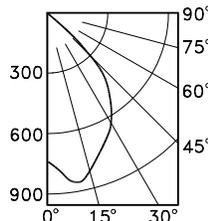
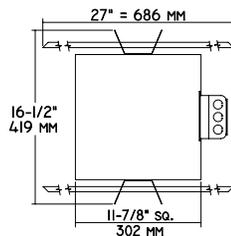
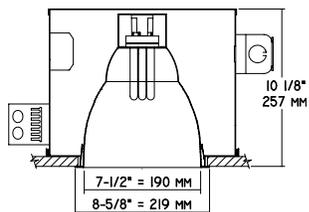
68% Efficiency
Dimming Optional

Performance at a Glance

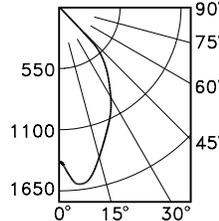
RR90629



RR90730



RR90629 S/MH 1.2



RR90730 S/MH 1.0

Cone of Light*

Ft.	FC	Dia.
6	20.2	7.0
8	11.3	9.3
10	7.3	11.6
12	5.0	14.0
14	3.7	16.3
16	2.8	18.6

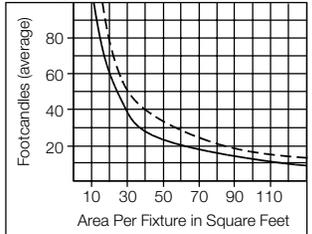
RR90629

Cone of Light*

Ft.	FC	Dia.
6	38.1	5.8
8	21.4	7.8
10	13.7	9.7
12	9.5	11.6
14	7.0	13.6
16	5.4	15.5

RR90730

Multiple Fixture FC Calculator**



RR90629 ——— RR90730 - - - -

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.

THE KIRLIN COMPANY

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**CENTURY SERIES
ARCHITECTURAL
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

**1 Triple 26
1 Triple 32**

CATALOG NUMBERS

**RR90629
RR90730**

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

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Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) RR90629: TEST NUMBER 41572
RR90730: TEST NUMBER 42483

RR90629

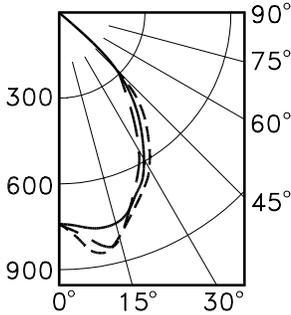
*LER = 38.9
•AEC = \$6.17

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	726	726	726	726	726
5	813	796	768	744	738
15	778	792	804	730	748
25	668	708	642	641	648
35	562	568	515	547	525
45	349	340	313	317	324
55	5	6	8	12	14
65	2	2	2	2	2
75	1	1	1	1	1
85	1	1	1	1	1
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20								
	80			50			10		
	RW	70	50	30	10	50	30	10	
1	76	74	72	70	69	68	67	67	
2	71	68	64	62	64	62	60	60	
3	67	62	58	55	59	56	54	54	
4	63	57	53	49	55	51	48	48	
5	59	52	48	44	50	47	44	44	
6	55	48	44	40	47	43	40	40	
7	52	45	40	37	43	39	36	36	
8	49	41	37	34	40	36	33	33	
9	46	38	34	31	37	33	31	31	
10	43	36	31	28	35	31	28	28	



--- 0° S/MH 1.2
--- 45° S/MH 1.2
--- 90° S/MH 1.2

EFFICIENCY = 67.2%

* Annual Energy Cost per lumens (based on 1000 hours use @ 0.08 kWh/lum-hr)
Estimated Multiplier: -90 SofTex Champagne Gold: CP x .90
-91 SofTex Wheat: CP x .87
-OG Black OptiGroove: CP x .70

RR90730

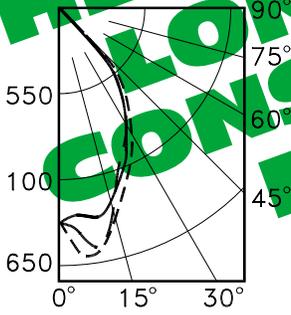
*LER = 41.7
•AEC = \$5.75

CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1370	1370	1370	1370	1370
5	1556	1516	1462	1388	1353
15	1351	1375	1290	1273	1264
25	1062	1061	981	1034	1004
35	757	741	703	722	699
45	252	252	260	268	279
55	2	2	2	2	2
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RF	20								
	80			50			10		
	RW	70	50	30	10	50	30	10	
1	76	75	73	71	70	69	68	68	
2	72	69	66	64	66	63	62	62	
3	68	64	60	58	61	58	56	56	
4	65	59	55	52	57	54	51	51	
5	61	55	51	48	53	50	47	47	
6	58	51	47	44	50	46	44	44	
7	55	48	44	41	47	43	40	40	
8	52	45	41	38	44	40	37	37	
9	49	42	38	35	41	37	35	35	
10	46	39	35	33	39	35	32	32	



--- 0° S/MH 1.1
--- 45° S/MH 1.1
--- 90° S/MH 1.1

EFFICIENCY = 67.5%

Estimated Multipliers
-70 SofTex Clear: CP x .93
-71 SofTex Dune: CP x .87
-90 SofTex Champagne Gold: CP x .90
-91 SofTex Wheat: CP x .87
-OG Black OptiGroove: CP x .70

Options

- 31 White reflector trim, self-flanged.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 39 Installed electronic dimming ballast for 32 watt (RR90730). Consult factory for 18 or 26 watt. Also see Options -LE and -WD. Indoor use.
- 43 Lower wattage triple tube: Specify 1-18 watt (RR90629); 1-26 or 18 watt (RR90730).
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277 volt 60 Hz. ballast instead.
- 70 SofTex Clear softly etched self-flanged reflector. Resists smudges. (CP x .93)
- 71 SofTex Dune softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Switch and light unobtrusively located inside reflector. For indoor use.
- 79 Extension collar for up to 2" thick ceilings.
- 82 Sloped ceiling adapter. Specify slope up to 30° in 5° increments.
- 90 SofTex Champagne Gold softly etched self-flanged reflector. Resists smudges. (CP x .90)
- 91 SofTex Wheat softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 94 Specular Pewter or other specified custom color self-flanged 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. -18°C to -20°C (0°F to -5°F).
- 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, 4100°K. Specify wattage and color temperature.
- OG OptiGroove black seamless tapered aluminum assembly. White trim, self-flanged. (CP x .75)
- 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: CATALOGUED 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 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 for the fixture in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor liability or statement constitute a warranty or amend the specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty void.