

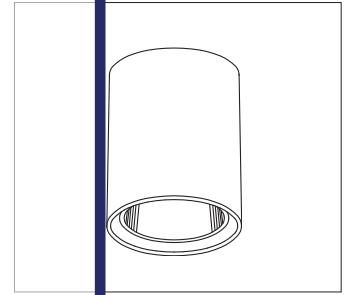
CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

9" 1 Triple 42 WATT MAXIMUM

FSR-09048

Open Cylinder with Flared Trim

# THIS PRODUCT IS NO LONGER AVAILABLE



## Features

### Lamp

- Designed for one 4-pin triple tube compact fluorescent lamp: 42/32/26W triple or 26W quad.

### Ballast: Multi Wattage/Voltage

- Installed electronic high power, thermally protected. For lower wattages: Option -43.
- 120-277 multi-volt; 50/60 Hz. THD < 10%.
- ClickQuick connectors for easy service.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. IFL filter.
- Internally fused. Also see Option -FS.

### Reflector

- Low iridescence (L.I.) Alzak® aluminum, one piece, self-angled.
- See Options for other finishes.

### Aluminum Housing

- Seamless white ceramic enamel, non-staining.

Exceeds 1000 hour ASTM 5% salt spray test.

Interlocking flange trim.

Non-vibrating cylinder hardware.

Light weight, low inrush current, load

• ClickQuick™ 4-pin: 120/277V, 50/60 Hz

### Installation

- Center point mounting for snug fit to ceiling. Mounting hardware included.
- QuickConnect mounting available. (Option -QM)
- 2" collar for surface J-box mount. (Option -80)
- Mounting hardware for surface J-box mount. (See Options -80, -81, -82, -83, -84, -85, -86, -87, -88, -89)
- Indoor or outdoor for covered ceiling use. (See Option -90)

### Trim

- See Options for other finishes.

### Three Year Limited Warranty

See Options for other finishes.

Surface Round  
Open  
Single Reflector

### Selected Optional Trims:

- SoTex Dune Option -71
- SoTex Champagne Gold Option -90
- SoTex Wheat Option -91

### Selected Optional Mounts:

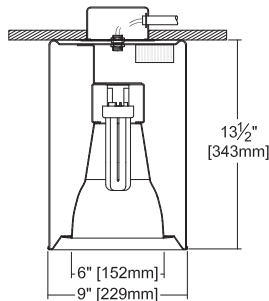
- Pendant Option -PM
- Wall Bracket Option -WB

Please consult **QUOTATIONS**

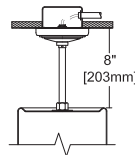
for the best alternative.

## Performance at a Glance

FSR-09048



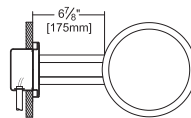
**Cone of Light Key**  
**Ft.** Distance from fixture  
**FC** Footcandles (average)  
**Dia.** Circle of light at 50% of FC  
 • Dia. (in ft.) shown is where FC value is half the FC at nadir.



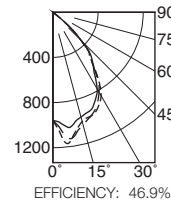
Representative Views:

(Above) With optional pendant mount (Option -PM)

(Below) With optional wall bracket (Option -WB)



FSR-09048 (1 Triple 42W)

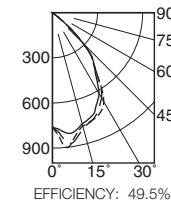


### Cone of Light\*

Dist.	FC	Dia.
6	26.6	7.3
8	15.0	9.7
10	9.6	12.2
12	6.7	14.6
14	4.9	17.0
16	3.7	19.4

--- 0° SC 1.3  
 --- 45° SC 1.3  
 --- 90° SC 1.2

FSR-09048 (1 Triple 32W)



### Cone of Light\*

Dist.	FC	Dia.
6	21.1	7.3
8	11.9	9.7
10	7.6	12.2
12	5.3	14.6
14	3.9	17.1
16	3.0	19.5

--- 0° SC 1.3  
 --- 45° SC 1.3  
 --- 90° SC 1.2

# THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232  
 (313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

RENAISSANCE SERIES  
 COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

1 Triple 42

CATALOG NUMBER

FSR-09048

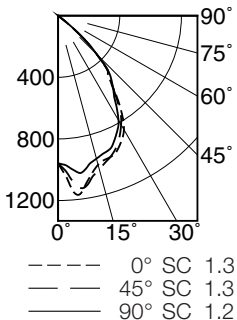
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

**FSR-09048 (1 Triple 42)**



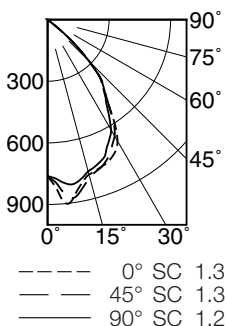
EFFICIENCY : 46.9%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	958	958	958	958	958
5	1148	1129	1078	1016	998
15	1002	1038	1034	975	961
25	937	938	916	888	876
35	685	660	666	634	632
45	358	373	352	356	355
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							
	RC	80			50			
		70	50	30	10	50	30	10
1	53	52	50	49	49	48	47	
2	50	47	45	44	45	44	42	
3	47	44	41	39	42	40	38	
4	44	40	37	35	39	36	35	
5	42	37	34	32	36	33	31	
6	39	34	31	29	33	31	29	
7	37	32	29	27	31	28	26	
8	35	30	27	24	29	26	24	
9	33	28	25	22	27	24	22	
10	31	26	23	21	25	23	21	

ITL TEST #48597 \*LER=35.1 •AEC=\$6.84

**FSR-09048 (1 Triple 32)**



EFFICIENCY : 49.5%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	761	761	761	761	761
5	889	872	839	799	793
15	781	798	795	761	765
25	740	749	720	700	685
35	531	528	530	503	500
45	290	301	281	285	286
55	2	1	1	1	0
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							
	RC	80			50			
		70	50	30	10	50	30	10
1	56	54	53	52	51	50	49	
2	53	50	48	46	47	46	44	
3	50	46	43	41	44	42	40	
4	47	42	39	37	41	38	36	
5	44	39	36	33	38	35	33	
6	41	36	33	30	35	32	30	
7	39	34	30	28	33	30	28	
8	36	31	28	26	30	27	25	
9	34	29	26	24	28	25	23	
10	32	27	24	22	26	24	22	

ITL TEST #48595 \*LER=34.6 •AEC=\$6.94

**Options**

**Ballast, Wattage and Voltage**

- 39 Installed electronic dimming ballast. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand. Not available with Option -75, -CR or -HR.
- 43 Lower wattage: for either 4-pin electronic 18W triple/quad or 13W quad (only). Specify wattage.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

**Emergency Ballast<sup>1</sup>**

- Remote (field mounted) ballast, test switch and indicator light. Suitable for damp locations from 0° to 50°C (32° to 122°F) or with Cold Weather version (see -CR) -20° to 55°C (-4° to 131°F).
- 75 Remote 1-lamp EM ballast.
- CR Remote cold weather (-20° to 55°C) 1-lamp EM ballast.

-HR<sup>1</sup> Remote higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only.

**Trims**

- 70 SofTex Clear reflector. (CP x .89)
- 71 SofTex Dune reflector. (CP x .85)
- 90 SofTex Champagne Gold reflector. (CP x .88)
- 91 SofTex Wheat reflector. (CP x .83)
- 94 Custom color/finish. Specify. Consult factory.

**Luminaire (Housing) Finishes**

- 35 Natural aluminum acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

**ShatterGuard™ Shield (Beneath Lamp)**

- 17 .187" prismatic high strength acrylic.
- SG .125" clear polycarbonate.

**Mounting**

- 54 Safety cable from fixture through pendant stem and 12" beyond. Use with -PM.
- 80 2" collar for mounting beneath surface outlet

box. 1/2" T.S. KO's. Must add Option -89 for wet label listing.

- 87 Custom pendant length. Specify length. Use with Option -PM.
- 88 Swivel canopy for sloped ceilings up to 40°. Use with Option -PM.
- 89 Sealed top WeatherCap. Must add to Options -80, -PM and -WB for wet label listing.
- PM Pendant mount. 8" stem or see Option -87. Must add Option -89 for wet label listing.
- QM QuickConnect mount for indoor (damp or dry) use only.
- WB Wall bracket mount. Must add Option -89 for wet label listing.

**Other**

- 99 Special modification. Consult factory.
- FS Additional in-line fuse. Not available with Option -98 (347V).
- LE With 4-pin electronic lamp. 3500°K standard. 82 CRI and 12,000 hour life. Specify wattage, style and color temperature.

<sup>1</sup> Visit [www.kirlinlighting.com](http://www.kirlinlighting.com) for most current performance / specifications.

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. INSTALLLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will inspect or repair such fixture or refund the purchase price on presentation of a 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. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

\* LER = Luminaire Efficiency Rating  
LER = Luminaire Efficacy x Total Lamp Lumens x Ballast Factor  
Input Watts

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