

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

8" x 8" 1 Triple 42 WATT MAXIMUM

FRS-08107

Type IC "K" Lens with Exceptional Efficiency

Features

Lamp

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

Ballast: Multi Wattage/Voltage

- Installed electronic high power factor, 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. PEL filter.
- Internally fused. Also see Option -F.

Reflector

- GlasSurface™ multi-faceted specular aluminum.

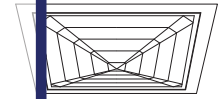
Trim Assembly

- Shock-resisting, UV absorbing prismatic convex widespread Kirlin lens. See Options for others.
- Rustfree polished nickel stainless steel (304-L) and captive mounting screws for fast relamping.

THIS PRODUCT IS NO LONGER AVAILABLE

Please consult QUOTATIONS

for the best alternative.



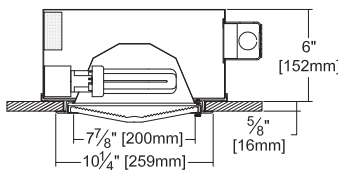
Recessed Square
Kirlin Lens
Shallow Plenum
Type IC

Selected Optional Lens:

- Tempered Prismatic C#73 Option -15

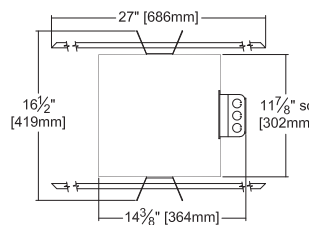
Performance at a Glance

FRS-08107



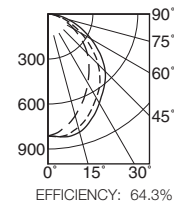
Cone of Light Key

- 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.



Ceiling Cut-out
9 1/2" Sq.

FRS-08107 (1 Triple 42W)

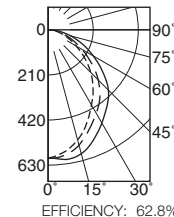


Cone of Light*

Dist.	FC	Dia.
6	22.6	6.6
8	12.7	8.8
10	8.1	11.0
12	5.6	13.2
14	4.1	15.4
16	3.2	17.6
----	0° SC 1.2	
----	90° SC 1.2	
----	180° SC 1.0	

EFFICIENCY: 64.3%

FRS-08107 (1 Triple 32W)



Cone of Light*

Dist.	FC	Dia.
6	16.6	6.5
8	9.3	8.7
10	6.0	10.8
12	4.1	13.0
14	3.0	15.2
16	2.3	17.4
----	0° SC 1.0	
----	90° SC 1.2	
----	180° SC 1.1	

EFFICIENCY: 62.8%

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

FRS-08107

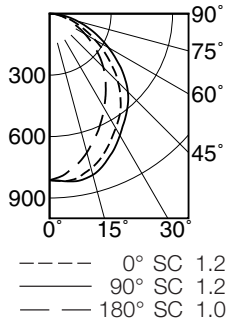
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

FRS-08107 (1 Triple 42)



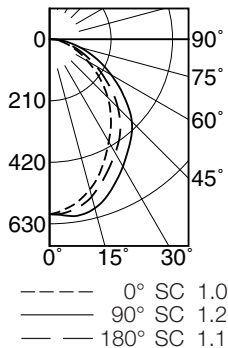
EFFICIENCY : 64.3%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	813	813	813	813	813
5	821	822	821	802	791
15	782	799	815	754	702
25	695	727	737	648	589
35	598	638	638	542	477
45	472	536	540	433	371
55	326	404	402	320	254
65	193	262	263	206	150
75	96	132	140	104	78
85	30	40	46	31	26
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION								
RF	20							
RC	80				50			
RW	70	50	30	10	50	30	10	
1	70	67	64	62	63	61	59	
2	64	59	55	51	55	52	49	
3	58	52	47	43	49	45	42	
4	54	46	41	36	44	39	36	
5	49	41	36	32	39	35	31	
6	46	37	32	28	36	31	27	
7	42	34	28	25	32	28	24	
8	40	31	26	22	30	25	22	
9	37	29	23	20	27	23	20	
10	35	26	21	18	25	21	18	

ITL TEST #45273 *LER=37.7 •AEC=\$6.36

FRS-08107 (1 Triple 32)



EFFICIENCY : 62.8%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	597	597	597	597	597
5	583	592	604	602	595
15	531	559	597	580	556
25	448	489	536	508	483
35	365	409	466	432	415
45	281	332	397	365	330
55	192	247	295	281	229
65	117	162	196	184	141
75	61	86	108	97	72
85	22	29	39	33	26
90	9	11	16	12	11

COEFFICIENTS OF UTILIZATION								
RF	20							
RC	80				50			
RW	70	50	30	10	50	30	10	
1	68	65	63	60	61	59	58	
2	62	57	53	50	54	51	48	
3	57	51	46	42	48	44	40	
4	52	45	40	35	43	38	35	
5	48	40	35	31	38	34	30	
6	45	36	31	27	35	30	27	
7	41	33	28	24	32	27	24	
8	39	30	25	21	29	24	21	
9	36	28	23	19	27	22	19	
10	34	26	21	18	25	20	17	

ITL TEST #42484 *LER=36.7 •AEC=\$6.55

* 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).

Options

Ballast, Wattage and Voltage

- 39 Installed electronic dimming ballast. Not Type IC listed. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand.
- 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 - Specify Voltage¹

Internal (factory installed) 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 -CE) -20° to 55°C (-4° to 131°F).

- 73 Internal 1-lamp EM ballast. Specify voltage.
- CE Internal cold weather (-20° to 55°C) 1-lamp EM ballast. Specify voltage.
- HE¹ Internal higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only. Specify voltage.

Lenses and Trims

- 13 Vandal resistant tempered prismatic C#73 spread lens above 1/8" flat polycarbonate.
- 14 Drop opal glass diffuser.
- 15 Prismatic C#73 tempered glass lens.
- 17 .187" prismatic high strength acrylic lens.
- 18 Opal flat glass diffuser.
- 20 White aluminum 1/2" cube egg-crate louver.
- 21 White flat polycarbonate diffuser.
- 26 Tamper-resistant button head recessed hex screw with center pin and 1 key / 10 fixtures.

- 32 White oversize trim extender. Specify size.
- 45 Gasket between ceiling and trim flange.
- 46 Gasket between trim and lens.
- 94 Custom color/finish. Specify. Consult factory.
- CF High temperature color filter. Specify color. For use with Options -13, -15, -17, -18, -21.
- DG Drop Guard with tempered prismatic C#73 glass lens.
- UV UV filter. For use with Options -13, -15, -17, -18, -21. Consult factory.

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.

¹ Visit www.kirlinlighting.com for most current performance / specifications.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

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