

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

4" x 4" 1 Triple 42 WATT MAXIMUM

FRS-04085

Square
Air Tight

Type IC Open Dual Reflector
Optional

Features

Lamp

- Designed for only 4-pin triple tube amalgam or quad 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. RFI filter.
- Internally fused. Also see Option -FS.

Reflectors

- Upper: Specular Alzak® aluminum.
- Lower: Clear Softex aluminum, self-cleaning.
- See Options for other finishes.

Aluminum Housing

- Acrylic enamel. Rust proof. Exceeds minimum 1000 hour ASTM 5% salt spray test.

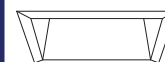
- Lightweight: Minimizes ceiling load.
- Corrosion resistant. Extended life expectancy.
- Entire luminaires served through aperture.
- Available in plaster and concrete.
- Flame light design. See Option -FM.

Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed.
- 1/2" and 3/4" knockouts.

Installation

- 67" galvanized hanger bars with adjustable mounting (pre-drilled) supplied.
- Recesses indoor or outdoor in covered locations.
- UL Listed (Class 1) for use in wet locations.
- Wet locations or locations with corrosive atmospheres. Approved for use in contact with insulation.
- Through branch conductors (6 #12).
- Complete standard fixture and ballast.



Recessed Square
Open
Dual Reflector
Type IC

Selected Optional Trims:

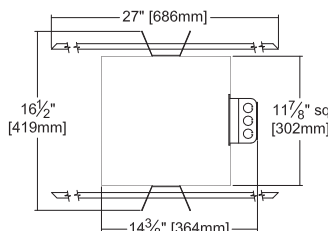
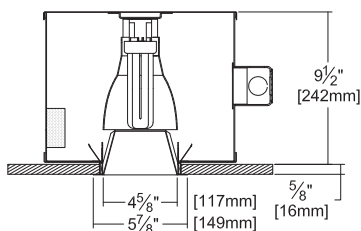
- All White Option -30
- Softex Titanium Option -57
- Softex Dune Option -71
- Softex Pewter Option -77
- Softex Wheat Option -91

**THIS PRODUCT
IS NO LONGER
AVAILABLE**

**Please consult
QUOTATIONS
for the best alternative.**

Performance at a Glance

FRS-04085

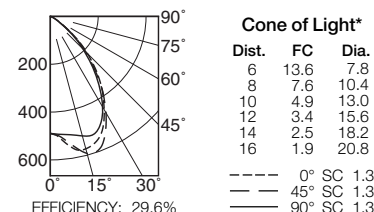


Ceiling Cut-out
5 1/4" Sq.

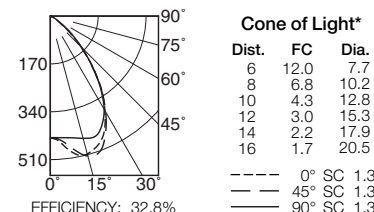
Cone of Light Key

- 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.

FRS-04085 (1 Triple 42W)



FRS-04085 (1 Triple 32W)



THE KIRLIN COMPANY

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(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

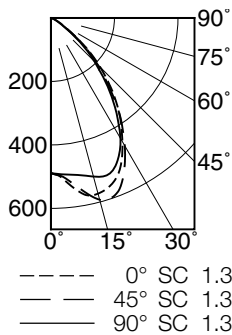
FRS-04085

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Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

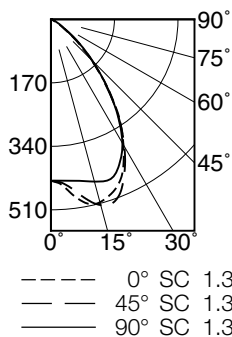
FRS-04085 (1 Triple 42)

EFFICIENCY : 29.6%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	489	489	489	489	489
5	515	505	506	496	495
15	573	583	593	533	517
25	518	543	542	512	496
35	379	407	381	387	357
45	220	243	209	225	193
55	70	82	68	76	58
65	19	19	12	16	14
75	4	4	3	4	3
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	33	32	31	31	30	30	29	
2	31	29	28	27	28	27	26	
3	29	27	25	24	26	24	23	
4	27	24	22	21	23	22	21	
5	25	22	20	19	22	20	18	
6	24	21	18	17	20	18	17	
7	22	19	17	15	18	17	15	
8	21	18	15	14	17	15	14	
9	20	16	14	13	16	14	13	
10	19	15	13	12	15	13	12	

ITL TEST #55406 *LER=23.7 •AEC=\$10.11

FRS-04085 (1 Triple 32)

EFFICIENCY : 32.8%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	432	432	432	432	432
5	454	444	444	435	434
15	407	511	515	460	450
25	453	477	463	439	431
35	317	346	313	332	311
45	152	173	155	185	157
55	42	52	49	59	47
65	12	13	10	14	15
75	3	3	2	3	3
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	37	36	35	34	34	33	32	
2	35	33	31	30	31	30	29	
3	32	30	28	26	28	27	26	
4	30	27	25	23	26	24	23	
5	28	25	23	21	24	22	21	
6	27	23	21	19	22	20	19	
7	25	21	19	17	21	19	17	
8	23	20	17	16	19	17	16	
9	22	18	16	15	18	16	14	
10	21	17	15	13	17	15	13	

ITL TEST #55407 *LER=23.3 •AEC=\$10.30

* **LER = Luminaire Efficiency Rating**

$$\text{LER} = \frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$$

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

[illegible]

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.

Trims

- 30 All white lower trim. (CP x .95)
- 31 White acrylic enameled lower trim flange.
- 32 White oversize trim extender. Specify size.
- 45 Gasket between ceiling and trim flange.
- 57 SoftTex Titanium lower trim. (CP x .80)
- 71 SoftTex Dune lower trim. (CP x .88)
- 77 SoftTex Pewter lower trim. (CP x .85)
- 79 Extension collar for ceilings up to 2" thick.
- 90 SoftTex Champagne Gold lower trim.
(CP x .91)

- 91 Softex Wheat lower trim. (CP x .87)
-94 Custom color/finish. Specify. Consult factory.

Top Access

- TA Top access for servicing from above.

Other

- 99 Special modification. Consult factory.
- AT Air tight with Type IC. Meets / exceeds ASTM E283 restricted airflow of 2CFM maximum.
- FS Additional in-line fuse.
- 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

CATALOG NUMBER

VOLTAGE