

4" x 4" 1 Triple 32 WATT MAXIMUM

FRS-04087

THIS PROJECT

THIS PRODUCT IS NO LONGER AVAILABLE

Features

Lamp

- Designed for only 4-pin triple tube amale compact fluorescent lamp: 32/26W triple

Ballast: Multi-Voltage/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 -28°F (-30°C).
- End of lamp life protection circuit. RFL filter
- Internally fused. Also see Option -FS.

Reflectors

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

Aluminum Housing

- Acrylic enamel. Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.

- # ALLIANCE

Outlet Box

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

Installation

- 27" galvanized hanger bars with adjustable

- # Best alternatives



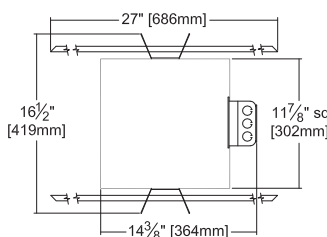
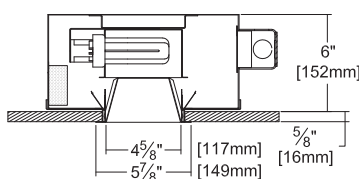
Recessed Square
Open
Dual Reflector
Shallow Plenum

Selected Optional Trims:

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

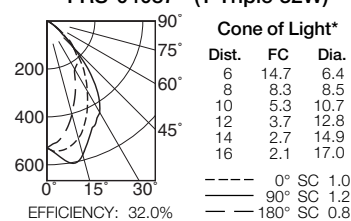
Performance at a Glance

FRS-04087



Ceiling Cut-out
5¼" Sq.

FRS-04087 (1 Triple 32W)



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.

THE KIRLIN COMPANY

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RENAISSANCE SERIES COMPACT FLUORESCENT LIGHTING

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

MAXIMUM WATTAGE

1 Triple 32

CATALOG NUMBER

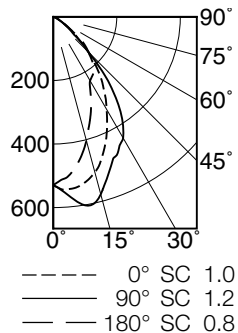
FRS-04087

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

FRS-04087 (1 Triple 32)



EFFICIENCY : 32.0%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	529	529	529	529	529
5	544	567	565	535	506
15	506	605	578	516	403
25	399	482	477	381	280
35	277	334	373	252	219
45	155	159	157	159	157
55	60	45	51	42	54
65	16	12	14	10	15
75	3	3	3	2	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	36	35	34	33	33	32	32
2	34	32	30	29	30	29	28
3	32	29	27	26	28	26	25
4	30	27	25	23	26	24	23
5	28	25	23	21	24	22	21
6	26	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	15
10	21	17	15	14	17	15	14

ITL TEST #54882 *LER=17.8 •AEC=\$13.47

* LER = Luminaire Efficiency Rating

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

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

Options

Ballast, Wattage and Voltage

- 39 Installed electronic dimming ballast. 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 SofTex Titanium lower trim. (CP x .80)
- 71 SofTex Dune lower trim. (CP x .88)
- 77 SofTex Pewter lower trim. (CP x .85)
- 79 Extension collar for ceilings up to 2" thick.
- 90 SofTex Champagne Gold lower trim. (CP x .91)
- 91 SofTex Wheat lower trim. (CP x .87)
- 94 Custom color/finish. Specify. Consult factory.

ShatterGuard™ Shield (Beneath Lamp)

- 17 .187" prismatic high strength acrylic.
- ML MicroLux tempered microprismatic lens.
- SG .125" clear polycarbonate.

Other

- 99 Special modification. Consult factory.
- AT Air tight with Type IC in 9-1/2" housing. Meets / exceeds ASTM E283 restricted airflow of 2 CFM 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

VOLTAGE

CATALOG NUMBER