

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

7" 1 Triple 42 WATT MAXIMUM

FRR-07005

Type C Versatile 42 Watt with
Optional Air Tight Design

**THIS PRODUCT
IS NO LONGER
AVAILABLE**

Features

Lamp

- Designed for one 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 ballast, 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. Remote.
- Internally fused. Also see Option -FS.

Reflector

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

Aluminum Housing

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

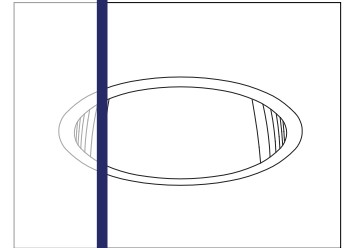
- Light weight. Minimumes wiring load.
- Cool operation. Extends component life.
- Entire luminaire serviced through aperture.
- Extruded plastic frame.
- Air Tight design. See Option -AT.
- UL listed.
- UL Type IC (Class II) listed.
- 1/2" and 3/4" knockouts.

Installation

- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.
- UL (Canada) Listings
- Wet, damp or dry locations, covered ceilings.
- See Installation instructions for details.

Three Year Limited Warranty

- Complete standard fixture and ballast.



Recessed Round
Open
Single Reflector
Type IC

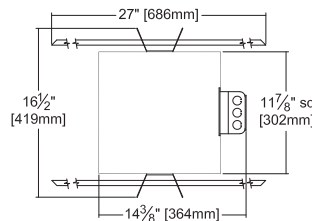
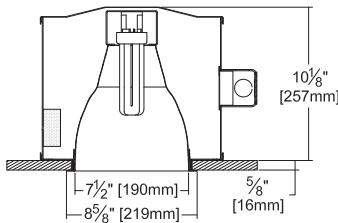
Selected Optional Trims:

- Glow Ring Option -33
- SlifTex Dune Option -71
- SlifTex Gold Option -90
- SlifTex Wheat Option -91
- Wall Wash Option -WW

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

Performance at a Glance

FRR-07005

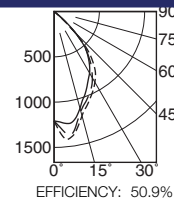


Ceiling Cut-out
8" Dia.

Cone of Light Key

- Ft.** Distance from fixture
- FC** Footcandles at nadir (0°)
- Dia.** Circle of light at 50% of FC
- Dia. (in ft.) shown is where FC value is half the FC at nadir.

FRR-07005 (1 Triple 42W)

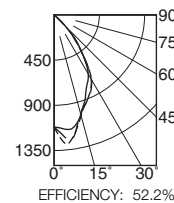


Cone of Light*

Dist.	FC	Dia.
6	33.5	6.5
8	18.9	8.7
10	12.1	10.9
12	8.4	13.0
14	6.2	15.2
16	4.7	17.4

--- 0° SC 1.1
--- 45° SC 1.0
--- 90° SC 1.0

FRR-07005 (1 Triple 32W)



Cone of Light*

Dist.	FC	Dia.
6	31.0	6.1
8	17.4	8.2
10	11.1	10.2
12	7.7	12.3
14	5.7	14.3
16	4.4	16.4

--- 0° SC 1.0
--- 45° SC 1.0
--- 90° SC 1.0

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

FRR-07005

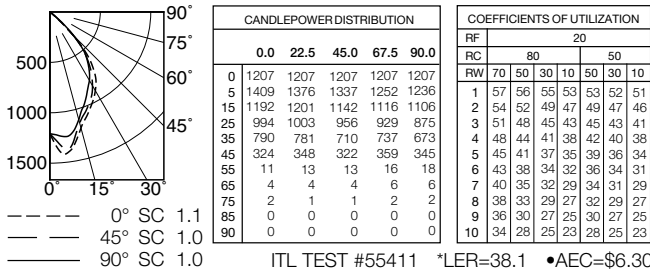
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

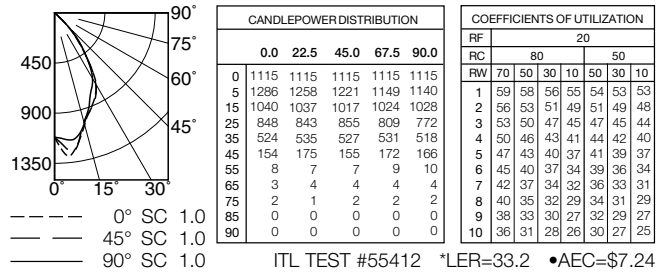
Photometry from I.T.L., Boulder, CO

FRR-07005 (1 Triple 42)



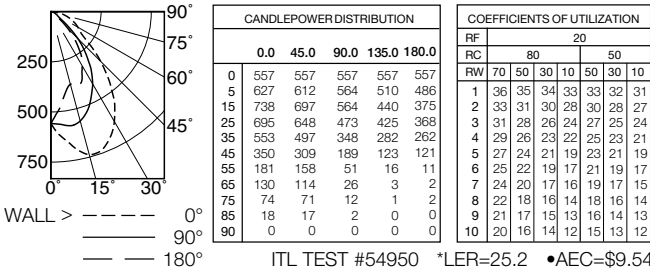
EFFICIENCY : 50.9%

FRR-07005 (1 Triple 32)



EFFICIENCY : 52.2%

FRR-07005-WW (1 Triple 42)



EFFICIENCY : 32.4%

DISTANCE FROM CEILING IN FEET	SINGLE FIXTURE				MULTIPLE FIXTURES						
	1'	2'	3'	4'	3' CENTERS		4' CENTERS				
	FITURE INSTALLED 3' FROM WALL Footcandle Distribution on Wall Surface										
1	7.7	6.4	4.1	2.2	1.2	13.2	12.8	13.2	10.6	9.4	10.6
2	11.4	9.6	6.3	3.6	2.0	20.5	19.9	20.4	15.9	14.3	15.9
3	13.1	11.0	7.0	3.9	2.2	23.0	22.7	23.0	18.3	16.6	18.3
4	12.6	11.1	7.8	4.5	2.4	23.8	23.8	23.7	18.4	17.6	18.4
5	9.8	8.8	6.8	4.5	2.8	21.4	21.6	21.4	16.6	16.5	16.6
6	7.4	6.9	5.6	4.1	2.7	18.3	18.5	18.3	14.3	14.4	14.3
7	5.4	5.2	4.5	3.5	2.5	15.5	15.6	15.5	12.2	12.3	12.2
8	4.2	4.1	3.7	3.0	2.3	13.3	13.5	13.3	10.8	10.6	10.8
9	3.2	3.3	3.0	2.5	2.1	11.9	11.5	11.9	9.3	8.8	9.3

* 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. 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**
- 31 White acrylic enameled reflector flange.
- 32 White oversize trim ring. Specify O.D.
- 33 Decorative Glow Ring suspended beneath trim assembly.
- 45 Gasket between ceiling and reflector flange.
- 70 SofTex Clear reflector. (CP x .89)
- 71 SofTex Dune reflector. (CP x .85)
- 79 Extension collar for ceilings up to 2" thick.
- 90 SofTex Champagne Gold reflector. (CP x .88)
- 91 SofTex Wheat reflector. (CP x .83)
- 94 Custom color/finish. Specify. Consult factory.

- OG OptiGroove black seamless tapered aluminum reflector with white flange. (CP x .80)
- WW Wall wash version instead.

ShatterGuard™ Shield (Beneath Lamp)

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

Other

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

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 his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture 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 expressed 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.