

12" 2 Triple 57 WATT MAXIMUM

FSR-12050

Dual Reflector Cylinder with
Superior Cut-Off and Photometry

Features

Lamp

- Designed for two 4-pin triple/four tube compact fluorescent lamps:
- 57W triple/four tube.

Ballast: Multi 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.
- Single circuit wiring or see Option -54.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit, PFL filter.
- Internally fused. Also see Option -F.

Reflectors

- Upper: Specular Alzak® aluminum.
- Lower: Low iridescence (L.I.) Alzak aluminum, one piece, self-cleaning.
- See Options for other finishes.

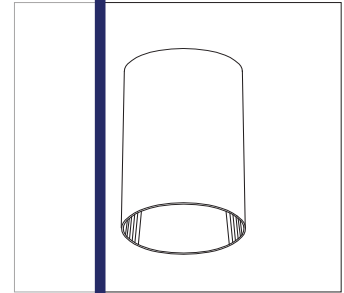
THIS PRODUCT IS NO LONGER AVAILABLE

Aluminum Housing

- Seamless white acrylic enameled. Rustproof. Exceeds 1000 hours salt spray test.
- Non-volatile cycle heat stress.
- Lightweight minimizes ceiling load.
- Cool operation: Extends life.

Installation

- Center point mounting for snug fit to ceiling. Mounting hardware included.
- QuickConnect mounting available. (Option -QM)
- 1" clear for center point mounting (Option -80)
- Mounting hardware included. (See Options -PM, -WB)
- Adapter available for covered ceiling use. (See Option -89)
- UL Listing: E100000
- Wet, damp or dry locations, covered ceilings. (See Option -89)



Surface Round
Open
Dual Reflector

Selected Optional Trims:

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

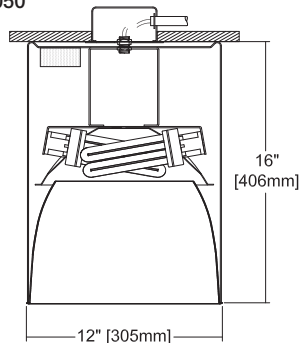
Selected Optional Mounts:

- Pendant Option -PM
- Wall Bracket Option -WB

Please consult
QUOTATIONS
for the best alternative.

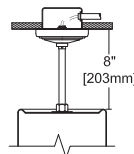
Performance at a Glance

FSR-12050



Cone of Light Key

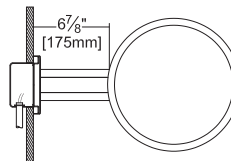
- Ft. Distance from fixture
- FC Footcandles (average)
- Dia. Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.



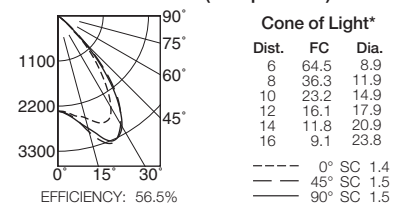
Representative Views:

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

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



FSR-12050 (2 Triple 57W)



THE KIRLIN COMPANY

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RENAISSANCE SERIES COMPACT FLUORESCENT LIGHTING

MAXIMUM WATTAGE

2 Triple 57

CATALOG NUMBER

FSR-12050

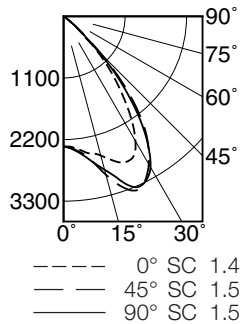
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

FSR-12050 (2 Triple 57)



EFFICIENCY : 56.5%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2321	2321	2321	2321	2321
5	2361	2369	2391	2404	2407
15	2572	2751	2928	2874	2835
25	2825	3172	3340	3327	3322
35	2009	2429	2583	2613	2532
45	741	893	960	940	864
55	62	65	64	72	67
65	21	21	22	25	24
75	8	8	9	10	8
85	3	3	2	3	3
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION						
RF	20					
RC	80			50		
RW	70	50	30	10	50	10
1	64	62	60	58	58	57
2	60	57	54	52	54	52
3	56	52	49	46	50	47
4	53	48	44	42	46	43
5	50	44	40	38	43	39
6	47	41	37	34	39	36
7	44	38	34	31	36	33
8	41	35	31	28	34	30
9	39	32	29	26	31	28
10	36	30	26	24	29	26

ITL TEST #55300 *LER=34.4 •AEC=\$6.98

* 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

- 43 Lower wattage: for 4-pin 2x42/32/26W triple or 26W quad (multi-wattage/voltage).
- 84 Wired for two circuits. Also see -FD.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast¹

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.
- HR¹ Remote higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only.

Trims

- 30 All white lower cone. (CP x .95)

- 57 SofTex Titanium lower cone. (CP x .80)
- 70 SofTex Clear lower cone. (CP x .89)
- 71 SofTex Dune lower cone. (CP x .85)
- 77 SofTex Pewter lower cone. (CP x .81)
- 90 SofTex Champagne Gold cone. (CP x .88)
- 91 SofTex Wheat lower cone. (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.

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.
- FD Two additional in-line fuses. One per ballast. Use with Option -84. Not available with Option -98 (347V).
- 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. INSTALLED 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 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.