

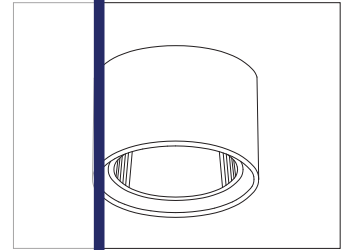
CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

12" 2 Triple 42 WATT MAXIMUM

FSR-12053

Flared Cylinder with
Exceptional Photometry

THIS PRODUCT IS NO LONGER AVAILABLE



Features

Lamp

- Designed for two 4-pin triple tube armament quad compact fluorescent lamps: 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%.
- Single circuit wiring or see Option -84.
- ClickQuick connectors for easy service.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. RFI filter.
- Internally fused. Also see Option -83.

Reflector

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

Aluminum Housing

- Seamless white powder coated aluminum housing.

Exceeds 1000 hour ASTM 5% salt spray test.

Interlocking flange trim.

Non-ventilating cylindrical design.

Light weight, slim profile, slim load.

- Cool operation: Extends component life.

Installation

- Center point mounting for snug fit to ceiling. Mounting hardware included.
- QuickConnect mounting available. (Option -QM)
- 3" star fixture for recessed ceiling (Option -80)
- Permanent wall bracket for wall mount. (See Options -PM, -WB)
- For use in wet or damp locations. (See Option -89)
- UL listed.
- Wet, damp or dry locations, covered ceilings. (See Option -89)

Surface Round
Open
Single Reflector

Selected Optional Trims:

- SlifTex Dune Option -71
- SlifTex Champagne Gold Option -90
- SlifTex Wheat Option -91

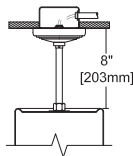
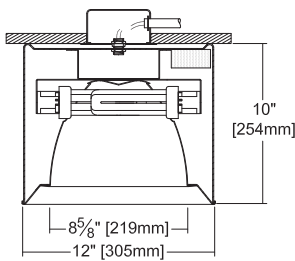
Selected Optional Mounts:

- Pendant Option -PM
- Wall Bracket Option -WB

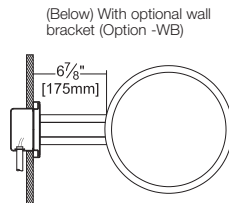
Please consult
QUOTATIONS
for the best alternative.

Performance at a Glance

FSR-12053



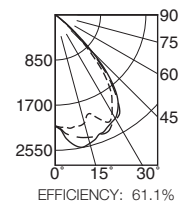
Representative Views:
(Above) With optional pendant mount (Option -PM)



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

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.

FSR-12053 (2 Triple 42W)



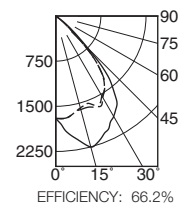
Cone of Light*

Dist.	FC	Dia.
6	58.1	8.2
8	32.7	11.0
10	20.9	13.7
12	14.5	16.5
14	10.7	19.2
16	8.2	21.9

--- 0° SC 1.4
--- 45° SC 1.5
--- 90° SC 1.5

EFFICIENCY: 61.1%

FSR-12053 (2 Triple 32W)



Cone of Light*

Dist.	FC	Dia.
6	47.2	8.2
8	26.6	11.0
10	17.0	13.7
12	11.8	16.4
14	8.7	19.2
16	6.6	21.9

--- 0° SC 1.3
--- 90° SC 1.5
--- 180° SC 1.3

EFFICIENCY: 66.2%

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

2 Triple 42

CATALOG NUMBER

FSR-12053

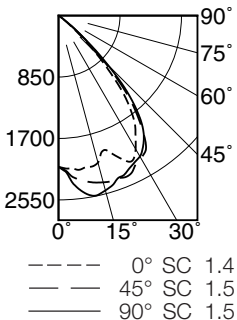
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

FSR-12053 (2 Triple 42)



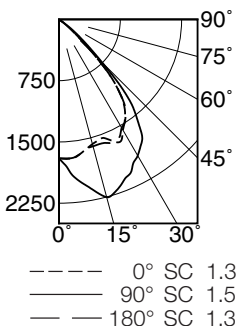
EFFICIENCY : 61.1%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2092	2092	2092	2092	2092
5	2122	2149	2241	2308	2334
15	2107	2249	2388	2510	2504
25	2221	2207	2397	2363	2327
35	1845	1926	2083	2092	2057
45	721	776	872	966	964
55	20	33	51	55	55
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	69	67	65	64	63	62	61
2	65	62	59	56	58	56	55
3	61	57	53	50	54	51	49
4	57	52	48	45	50	47	44
5	54	48	44	41	46	43	40
6	50	44	40	37	43	39	36
7	47	41	36	34	39	36	33
8	44	38	34	31	37	33	30
9	42	35	31	28	34	30	28
10	39	33	29	26	32	28	26

ITL TEST #44505 *LER=40.8 •AEC=\$5.89

FSR-12053 (2 Triple 32)



EFFICIENCY : 66.2%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1700	1700	1700	1700	1700
5	1709	1814	1918	1860	1705
15	1580	1985	2253	1824	1608
25	1658	2064	2074	1779	1652
35	1410	1749	1777	1475	1420
45	585	819	752	539	591
55	18	101	71	24	14
65	2	2	2	2	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
	80			50			
RC	70	50	30	10	50	30	10
1	75	73	71	69	68	67	66
2	70	67	64	61	63	61	59
3	66	61	57	54	58	55	53
4	62	56	52	49	54	50	48
5	58	52	47	44	50	46	43
6	54	48	43	40	46	42	39
7	51	44	39	36	43	39	36
8	48	41	36	33	39	35	33
9	45	38	33	30	37	33	30
10	42	35	31	28	34	30	28

ITL TEST #42853 *LER=39.2 •AEC=\$6.13

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 2x18W triple/quad or 2x13W quad (only). Specify wattage.
- 84 Wired for two circuits. Also see -FD.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast - Specify Voltage¹

- Internal (factory installed) or 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 -CE or -CR) -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

- 70 SofTex Clear reflector. (CP x .89)
- 71 SofTex Dune reflector. (CP x .85)
- 90 SofTex Champagne Gold reflector. (CP x .88)
- 91 SofTex Wheat reflector. (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.

ShatterGuard™ Shield (Beneath Lamp)

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

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. Use with -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; indoor (damp, 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.

* 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).

LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLER TO BE RESPONSIBLE FOR THE PROTECTION OF THE FIXTURES FROM DAMAGE. KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLER TO BE RESPONSIBLE FOR THE PROTECTION OF THE FIXTURES FROM DAMAGE. KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLER TO BE RESPONSIBLE FOR THE PROTECTION OF THE FIXTURES FROM DAMAGE.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

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