

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

10" 1 Triple 85 WATT PL-H MAXIMUM

FRR-10132

Downlight with Excellent Visual Comfort
and 20,000 Hour Lamp Life

Features

Lamp

- Designed for one 4-pin Philips PL-H triple tube amalgam compact fluorescent lamp: 85 or 60 watt PL-H.
- Long 20,000 hour life.
- High 6,000 lumen output.
- 800 MA high output lamp current.

Ballast: Multi-Voltage

- Installed electronic high power factor, thermally protected.
- 120-277 multi-volt; 50/60 Hz. THD < 5%.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. HFI filter.
- Internally fused. Also see Option -FS.

Reflector

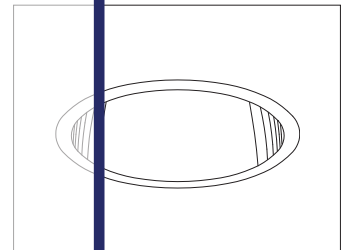
- Upper: Specular Alzak® aluminum.
- Lower: Low rediscence (L.I.) specular aluminum, one piece, self-flanged.
- See Options for other finishes.

**THIS PRODUCT
IS NO LONGER
AVAILABLE**

Please consult

QUOTATIONS

for the best alternative.



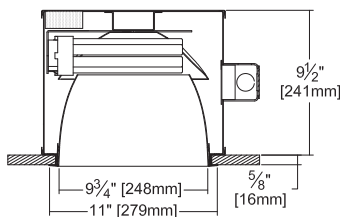
Several Cone
Colors Available

Selected Optional Trims:

- All White Option -30
- Softex Titanium Option -57
- Softex Clear Option -70
- Softex Dune Option -71
- Softex Pewter Option -77
- Softex Wheat Option -91
- Black OptiGroove Option -OG

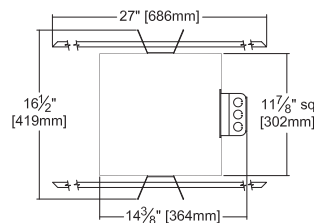
Performance at a Glance

FRR-10132



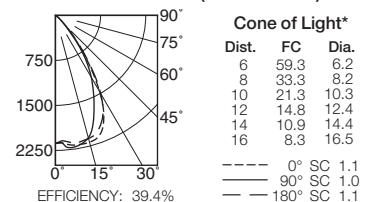
Cone of Light Key

- 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.

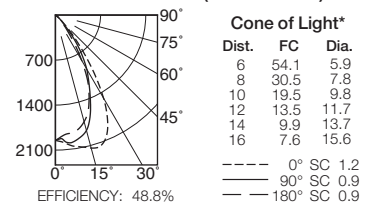


Ceiling Cut-out
10 1/4"

FRR-10132 (1 PL-H 85W)



FRR-10132 (1 PL-H 60W)



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

1 PL-H 85

CATALOG NUMBER

FRR-10132

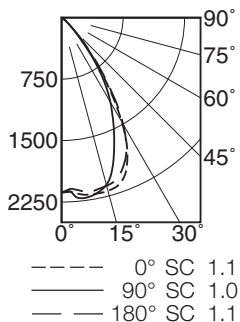
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS,
TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

FRR-10132 (1 PL-H 85)



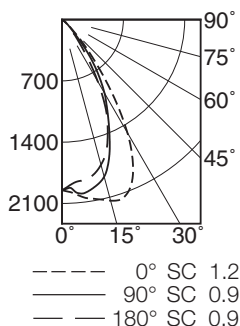
EFFICIENCY : 39.4%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	2134	2134	2134	2134	2134
5	2155	2176	2205	2169	2109
15	2187	2189	2111	2157	2124
25	1899	1693	1510	1669	1859
35	929	875	838	829	980
45	218	202	200	191	230
55	35	44	50	44	38
65	17	18	20	18	17
75	7	7	7	7	7
85	2	2	2	2	2
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION								
RF	20							
RC	80				50			
RW	70	50	30	10	50	30	10	
1	45	44	43	42	41	40	40	
2	42	40	39	37	38	37	36	
3	40	37	35	34	36	34	33	
4	38	35	33	31	34	32	30	
5	36	32	30	28	31	29	28	
6	34	30	28	26	29	27	26	
7	32	28	26	24	28	26	24	
8	31	27	24	23	26	24	22	
9	29	25	23	21	25	22	21	
10	28	24	21	20	23	21	20	

ITL TEST #56378 *LER=23.9 •AEC=\$10.06

FRR-10132 (1 PL-H 60)



EFFICIENCY : 48.8%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1949	1949	1949	1949	1949
5	2010	1998	1987	1914	1860
15	2141	2077	1858	1757	1717
25	1918	1638	1250	1211	1212
35	929	825	654	494	434
45	179	153	140	124	108
55	25	34	39	36	31
65	10	12	17	16	12
75	4	5	6	6	4
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	55	54	53	52	51	50	49	
2	53	50	48	46	48	46	45	
3	50	47	44	42	45	43	41	
4	47	44	41	39	42	40	38	
5	45	41	38	36	39	37	35	
6	43	38	35	33	37	34	33	
7	40	36	33	31	35	32	30	
8	38	34	31	29	33	30	28	
9	37	32	29	27	31	28	27	
10	35	30	27	25	29	24	25	

ITL TEST #56379 *LER=24.3 •AEC=\$9.89

Options

Ballast, Wattage and Voltage

- 39 Installed electronic dimming ballast. Indoor use only. 10°C (50°F) minimum start. Please specify wattage and voltage. CONSULT FACTORY FOR AVAILABILITY.
- 75 Remote emergency battery pack for 60W PL-H lamp maximum (675 lumen output). With test switch and indicator light. Ambient temp. limits: 0° to 55°C (32° to 131°F). Specify voltage. Consult factory for 85W. Use this option for outdoor emergency applications, where pack is remote mounted indoors in a heated space. Maintain a maximum distance of 7 feet between emergency pack and lamp.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast - Specify Voltage¹

Remote (field mounted) ballast, test switch and indicator light for 60W PL-H lamp maximum (675 lumen output). Suitable for damp locations from 0° to 55°C (32° to 131°F).

- 75 Remote 60W PL-H EM ballast. Specify voltage.
- CR Remote cold weather (-20° to 55°C) 1-lamp EM ballast. Specify voltage.
- HR¹ Remote higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only. Specify voltage.

Trims

- 30 All white lower cone. (CP x .95)
- 31 White acrylic enameled lower cone flange.
- 32 White oversize trim ring. Specify O.D.
- 45 Gasket between ceiling and cone flange.
- 57 SofTex Titanium lower cone. (CP x .80)
- 70 SofTex Clear lower cone. (CP x .92)

- 71 SofTex Dune lower cone. (CP x .88)
- 77 SofTex Pewter lower cone. (CP x .85)
- 79 Extension collar for ceilings up to 2" thick.
- 82 Sloped ceiling adapter. Specify slope in 5° increments up to 30°.
- 90 SofTex Champagne Gold lower cone. (CP x .91)
- 91 SofTex Wheat lower cone. (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.
- FS Additional in-line fuse.
- LE With 4-pin electronic lamp. 3000°K standard or specify 4100°K. 82 CRI and 20,000 hour life. Specify wattage and color temperature.

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. INSTALLATION, E.C., IS NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture to the office of manufacturer within ninety days 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 attempt to alter 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.

* LER = Luminaire Efficiency Rating
 LER = Luminaire Efficacy x Total Lamp Lumens x Ballast Factor
 Input Watts

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