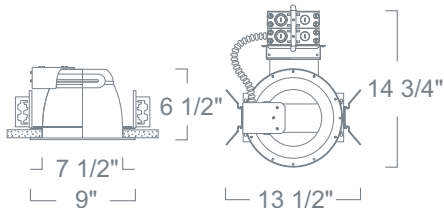


## Architectural Housing (2-Lamp) w/ Baffle w/ Lens LFH8 SERIES - 8" ARCHITECTURAL HORIZONTAL CFL RECESSED LIGHTING



### SPECIFICATION

Ceiling cut-out: 8 1/8"

**Application:** Architectural-grade recessed downlight housing for medium to high ceilings for commercial installations. A variety of trims, compatible styles and finishes are available to achieve the proper décor and illumination.

**Housing Frame:** 16 gauge galvanized plaster ring with powder coat finish, six friction clips secure trim to housing for ceilings up to 2 1/4" thick. Triple slot bat-wing hanger brackets accommodate multiple bar hanger systems.

**Mounting:** Housing suitable for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3 1/4" for multiple ceiling types and accepts 1/2" EMT. 26" C-Channel Strut for T-bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or wood/metal joists. Heavy duty 16-gauge, die-formed galvanized steel. Bar hangers optional.

**Ballast:** Electronic Class P 60Hz Ballast with Inherent thermal protection. For Double Twin Tube (DTT) or Triple Twin Tube Lamps (TTT). Sound A rated. Micro-Processor controlled. Min. starting temperature -10°C. Accessible from above or below the ceiling. Contact factory for detailed technical information on ballast specifications. Note: For dimming applications must use compatible dimmer switch. Consult specific ballast manufacturer for up-to-date compatibility list.

**Socket Cap:** Heavy-Duty steel socket enclosure with built-in ventilations. Die-cast aluminum fittings. Accepts compatible reflector trims.

**Socket:** Thermo-plastic socket UL Listed rated for high temperature and provides nickel plated contacts. Accepts 4-Pin lamps with electronic ballast selection.

**Junction Box:** 16 gauge pre-wired galvanized steel double Junction Box, 64 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (10) 3/4", (2) 1" and (8) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard die-cast aluminum fitting for flex-conduit.

**Insulation Contact:** Non-IC rated housing must be kept 3" from insulation.

**Safety Labels:** UL/CUL listed for through-branch wiring (8) No.12 AWG 90°C and suitable for damp locations. NYC approved: Calendar #41937.

**Emergency Option:** Emergency back-up operates one lamp for a minimum of 90 minutes at 750 Lumens in case of power outage. Unit is remotely mounted. It includes battery, charger, and test switch with indicator light. Consult Factory for 1300 Lumen Package.

**Label:** UL Listed, cETL Listed

### FEATURE:



**Application:** Architectural-grade recessed downlight reflector for high ceilings for commercial and architectural installations. Reflector designed for minimal glare from lamp without sacrificing lumen output. Regressed tempered glass lens allows for special control of light output. Protects lamp while reducing lamp image.

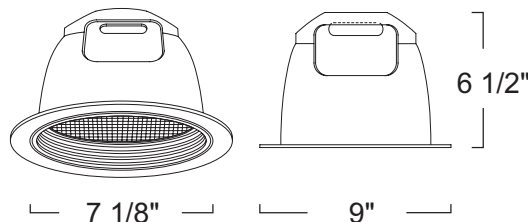
**Mounting:** Pre-punched key holes allow mounting of socket cap assembly for housing, with vertically adjustable socket cap. Reflector held in place with 6 steel pressure springs mounted on housing frame.

Suitable for Damp and Wet Location Installations.

**Warranty:** Covered by a 3 Year Warranty to be free of defects in materials and craftsmanship.

**Label:** UL Listed, cETL Listed

Assembled in USA



### ARCHITECTURAL HOUSING

LFH8 CFL (2) 42W Max

WATTAGE	BALLAST	OPTIONS
LFH8213 : (2) 13W	UD :0-10V Dimming (120V/277V)*	Blank :None
LFH8218 : (2) 18W	UE :120V/277V Electronic	-EM :Emergency (Remote)
LFH8226 : (2) 26W	ADV-SM :120V/277V Smart Mate	-EMA :Emergency (Trim)
LFH8232 : (2) 32W	ADV-M7 :120V/277V Mark VII Dimming	-FS :Fuse
LFH8242 : (2) 42W	ADV-M10 :120V Mark X Dimming**	
	LUT-HL :120V/277V Lutron 3-Wire Dimming	
	LUT-TW :120V Tu-wire Dimming	
	UE-347 :347V Electronic	
	E :120V Electronic	

### BAFFLE W/ LENS

LR864 CFL (2) 42W TTT, (2) 26W DTT

Ordering example: LFH8213UD-EMA/LR864MOMOF-FR

BAFFLE / FLANGE FINISH	GLASS
LR864WWF :White Baffle/White Flange	Blank :Prismatic Lens
LR864BWF :Black Baffle/White Flange	-FR :Frosted
LR864COCOF :Copper Baffle/Copper Flange	
LR864MOMOF :Mocha Baffle/Mocha Flange	

\* Not Available for (2) 42W Option.  
\*\* Not available for 13W Option.

8" White Baffle with Prismatic Lens

Lamp: (2) CF26DD/E/841

Total Rated Lamp Lumens : 3600

Total Luminaire Efficiency : 28.8%

CIE Type: Direct

Spacing Ratio: 1.04

Report File# LL1010504H.IES

By: Light Laboratory, Inc.

LM-63-2002

## LUMINANCE DATA

8" Horizontal Housing : LFH8226UE

8" Baffle with Lens : LR864W

32W-42W Applications : LR854W

HOUSING		WATT.	LUMEN*	
1-LAMP	2-LAMP		1-LAMP	2-LAMP
LFH8113	LFH8213	13W	900	1800
LFH8118	LFH8218	18W	1200	2400
LFH8126UE	LFH8226UE	26W	1800	3600
LFH8132UE	LFH8232UE	32W	2400	4800
LFH8142UE	LFH8242UE	42W	3200	6400

\* Lumens may vary upon lamp types/manufacturers.

## PROJECT INFORMATION

TYPE : \_\_\_\_\_

VOLTAGE : \_\_\_\_\_

PROJECT : \_\_\_\_\_

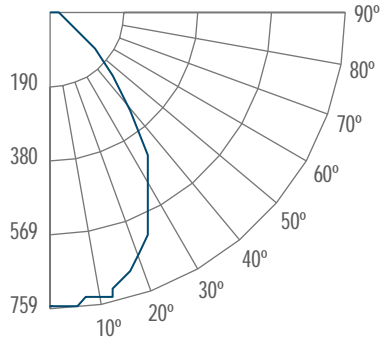
ITEM# : \_\_\_\_\_

DATE : \_\_\_\_\_

## CANDLE POWER DISTRIBUTION

DEGREES  
VERTICAL AVERAGE

0	755
1	751
3	759
5	757
7	752
9	748
11	742
13	723
15	715
17	688
19.5	657
22.5	621
25.5	560
29	509
33	435
37.5	332
42.5	230
47.5	147
55	80
65	25
75	6
85	1
90	0



## LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9344	9344	9344
55	4889	4889	4889
65	2074	2074	2074
75	813	813	813
85	402	402	402

## MULTIPLIERS\*\*

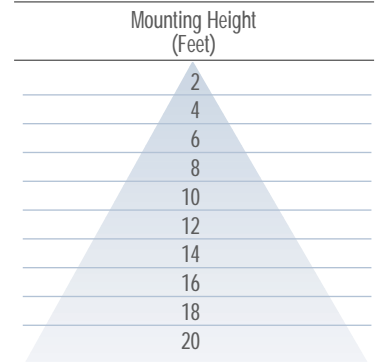
FINISHES		WATTAGES	
Black	0.85	13W	0.50
Natural	0.90	18W	0.66
		32W	1.33
		42W	1.78

\*\* Based on White Baffle (26W).

## INITIAL FOOTCANDLES

(Beam angle : 90°)

Footcandles at center	Circle Diameter	Footcandles at edge
192.3	4.0	18.4
47.6	8.0	4.9
20.6	12.0	2.2
11.1	16.0	1.2
7.8	20.0	0.8
5.4	24.0	0.5
4.0	28.0	0.4
3.0	32.0	0.3
2.4	36.0	0.2
1.9	40.0	0.2



## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	34	34	34	34	33	33	33	33	32	32	32	31	31	31	29	29	29	29	29	29	29
1	32	31	30	29	31	31	30	29	29	29	28	28	27	27	27	26	26	26	26	26	26
2	30	28	27	26	29	28	26	25	27	26	25	26	25	24	25	24	24	23	23	23	23
3	28	26	24	22	27	25	24	22	24	23	22	24	23	22	23	22	21	21	21	21	21
4	26	23	21	20	26	23	21	20	22	21	20	22	20	19	21	20	19	19	19	19	19
5	24	22	19	18	24	21	19	18	21	19	18	20	19	17	20	18	17	17	17	17	17
6	23	20	18	16	22	20	18	16	19	17	16	19	17	16	18	17	16	15	15	15	15
7	22	18	16	15	21	18	16	15	18	16	15	17	16	14	17	15	14	14	14	14	14
8	20	17	15	13	20	17	15	13	16	15	13	16	14	13	16	14	13	13	13	13	13
9	19	16	14	12	19	16	14	12	15	14	12	15	13	12	15	13	12	12	12	12	12
10	18	15	13	11	18	15	13	11	14	13	11	14	12	11	14	12	11	11	11	11	11

## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	506.60	14.10	48.90
0 - 40	722.41	20.10	69.70
0 - 60	967.22	26.90	93.30
0 - 90	1037.02	28.80	100.00
90 -120	0.00	0.00	0.00
90 -130	0.00	0.00	0.00
90 -150	0.00	0.00	0.00
90 -180	0.00	0.00	0.00
0 -180	1037.02	28.80	100.00