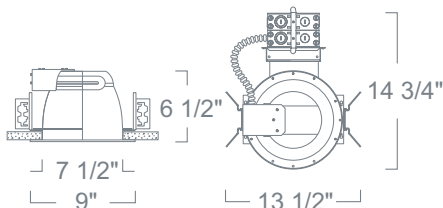


Architectural Housing (1-Lamp) w/ Self-Flanged Reflector

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.

FEATURE:



Application: Architectural-grade recessed downlight reflector in high ceilings for commercial and architectural installations. Reflector designed for minimal glare from lamp without sacrificing lumen output.

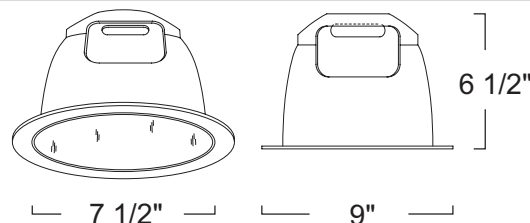
Construction: One piece self-flanged design enables a clean trim finish, without the need for a secondary trim ring. Heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Iridescent-free reflective coating minimizes unsightly rainbow effect.

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.

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 (1) 42W Max

WATTAGE	BALLAST	OPTIONS
LFH8113 : (1) 13W	UD : 0-10V Dimming (120V/277V)	Blank : None
LFH8118 : (1) 18W	UE : 120V/277V Electronic	-EM : Emergency (Remote)
LFH8126 : (1) 26W	ADV-SM : 120V/277V Smart Mate	-EMA : Emergency (Trim)
LFH8132 : (1) 32W	ADV-M7 : 120V/277V Mark VII Dimming	-FS : Fuse
LFH8142 : (1) 42W	ADV-M10 : 120V Mark X Dimming*	
	ADV-M10-27 : 277V Mark X Dimming**	
	LUT-HL : 120V Lutron 3-Wire Dimming	
	LUT-TW : 120V Tu-wire Dimming	
	UE-347 : 347V Electronic	
	E : 120V Electronic	

* Not available for 13W option.
**18W only

SELF-FLANGED REFLECTOR

LR861 CFL (2) 42W TTT, (2) 26W DTT

Ordering example: LFH8142ADV-SM-FS/LR861CWF-EMA

REFLECTOR / FLANGE FINISH	OPTION
LR861CCF : Clear Reflector/Clear Flange	Blank : None
LR861CNF : Clear Reflector/Natural Flange	-EMA : Integral EM Switch
LR861CWF : Clear Reflector/White Flange	
LR861SSF : Satin Haze Reflector/Satin Haze Flange	
LR861SWF : Satin Haze Reflector/White Flange	
LR861WWF : White Reflector/White Flange	

8" Clear Specular HighZak Reflector

Lamp: (2)CF26DD/E/841

Total Rated Lamp Lumens : 3600

Total Luminaire Efficiency : 43.7%

CIE Type: Direct

Spacing Ratio: 1.32

Report File # LLI0703070.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

8" Horizontal Housing : LFH8226UE

8" HighZak Reflector : LR861CCF

32W-42W Applications : LR851CCF

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 :

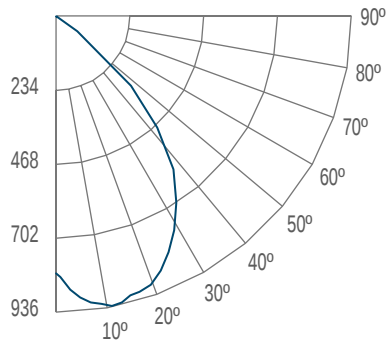
ITEM # :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	815
1	827
3	868
5	894
7	914
9	922
11	936
13	930
15	915
17	912
19.5	903
22.5	873
25.5	829
29	775
33	704
37.5	612
42.5	478
47.5	324
55	82
65	6
75	4
85	2
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19878	19878	19878
55	5011	5011	5011
65	498	498	498
75	542	542	542
85	804	804	804

MULTIPLIERS**

FINISHES		WATTAGES	
Gold	0.90	13W	0.50
White	0.95	18W	0.66
Black	0.70	32W	1.33
Satin Haze	0.80	42W	1.78

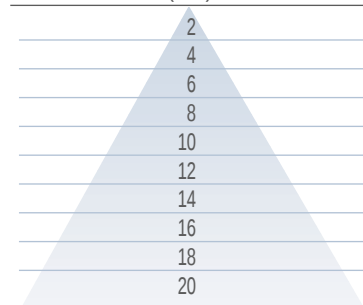
** Based on Clear reflector (26W).

INITIAL FOOTCANDLES

(Beam angle : 98°)

Footcandles at center	Circle Diameter	Footcandles at edge
203.8	4.6	20.4
50.9	9.2	5.1
22.6	13.8	2.3
12.7	18.4	1.3
8.1	23.0	0.8
5.7	27.6	0.6
4.2	32.2	0.4
3.2	36.8	0.3
2.5	41.4	0.3
2.0	46.0	0.2

Mounting Height
(Feet)



COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	52	52	52	52	51	51	51	51	49	49	49	46	46	46	45	45	45	44	44	44	44
1	49	47	46	45	48	46	45	44	45	44	43	43	42	41	41	41	40	39	39	39	39
2	46	43	41	39	45	42	40	38	41	39	38	39	38	37	38	37	36	35	35	35	35
3	43	39	36	34	42	38	36	34	37	35	33	36	34	33	35	33	32	31	31	31	31
4	40	35	32	30	39	35	32	30	34	31	29	33	31	29	32	30	29	28	28	28	28
5	37	32	29	27	36	32	29	27	31	28	26	30	28	26	29	27	26	25	25	25	25
6	34	30	26	24	34	29	26	24	28	26	24	28	25	23	27	25	23	23	23	23	23
7	32	27	24	22	31	27	24	22	26	23	21	26	23	21	25	23	21	20	20	20	20
8	30	25	22	20	30	25	22	20	24	21	19	24	21	19	23	21	19	19	19	19	19
9	28	23	20	18	28	23	20	18	22	20	18	22	19	18	22	19	18	17	17	17	17
10	27	21	18	16	26	21	18	16	21	18	16	20	18	16	20	18	16	15	15	15	15

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	688.95	19.10	43.80
0 - 40	1043.35	29.00	66.40
0 - 60	1520.91	42.20	96.80
0 - 90	1571.57	43.70	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	1571.57	43.70	100.00