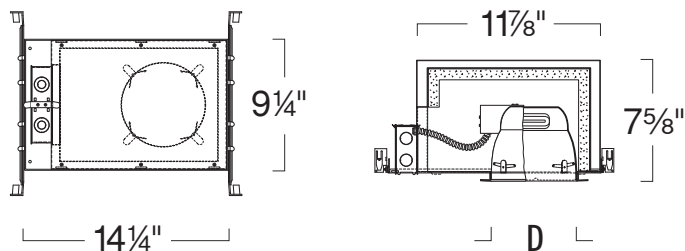


6" Architectural Fire-Rated Housing (1-Lamp) w/ Baffle w/ Lens

LFH6 SERIES - 6" HORIZONTAL CFL RECESSED LIGHTING



SPECIFICATION

Ceiling cut-out: 6 3/4"

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

Fire Rating: Stops the progress of an active fire. Meets the fire-stop capabilities of a typical 5/8" gypsum board (drywall) barrier. Eliminates the requirement to specify more expensive fire-rated materials or the use of manually constructed drywall enclosures.

Patented dual-layer housing is constructed of 20-gauge aluminum designed to maintain the continuity of fire-rated ceiling assemblies, subject to L500.

UL Certifications and Approvals for One-Hour Fire Rating: UL263, CAN/ULC S101-07, ASTM E119-00A, UBC7-1, NFPA 251 an ASI A2.1 under U.S. Patent

Housing Frame: 16 gauge galvanized plaster ring with powder coat finish, six friction clips secure trim to housing for ceilings up to 1 3/4" 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 (C260) for T-bar ceilings and 27" linear hanger bars (L270) for wood joists. Heavy duty 16-gauge, die-formed galvanized steel. 1 1/4" maximum ceiling thickness.

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.

Insulation Contact: IC rated housing rated for direct contact with low to medium density loosefill blown and rolled insulation.

FEATURE:



Application: Architectural-grade recessed downlight reflector for low to medium height 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.

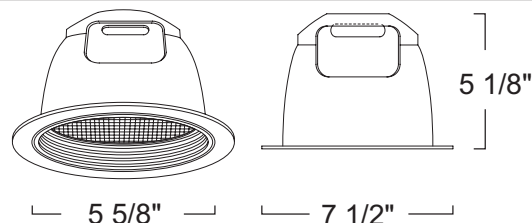
Mounting: Pre-punched key holes allow mounting of socket cap assembly for housing, with vertically adjustable socket cap. Reflector held in place with 6 steel pressure springs mounted on housing frame.

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



6" ARCHITECTURAL FIRE-RATED HOUSING

LFHFRFL6 (1) 32W Max CFL

WATTAGE	BALLAST	OPTIONS
LHFRFL6113:(1) 13W	UE :120V/277V Electronic	Blank :None
LHFRFL6118:(1) 18W	UD :0-10V Dimming (120V/277V)	-EM :Emergency (Remote)
LHFRFL6126:(1) 26W	ADV-SM :120V/277V Smart Mate	-EMA :Emergency (Trim)
LHFRFL6132:(1) 32W	ADV-M7 :120V/277V Mark VII Dimming	-FS :Fuse
	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	
	LUT-HL-27 :277V Lutron 3-Wire Dimming	
	UE-347 :347V Electronic	

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

BAFFLE W/ LENS

LR664 CFL (2) 26W DTT, (1) 42W TTT

Ordering example: LHFRFL6118UE/LR664BWF-FR

BAFFLE / FLANGE FINISH	LENS TYPE
LR664WWF :White Baffle/White Flange	Blank :Prismatic Lens
LR664BWF :Black Baffle/White Flange	-AL :Albalite
	-CF :Center-Frost™
	-CL :Clear
	-FR :Frosted

6" White Baffle with Prismatic Lens

Lamp: (2) CF26DD/E/841

Total Rated Lamp Lumens : 3600

Total Luminaire Efficiency : 22.9%

CIE Type: Direct

Spacing Ratio: 1.02

Report File # LLI010504F.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

6" Horizontal Housing : LFH6226UE

6" Baffle with Lens : LR664W

32W Applications : LR654W

HOUSING		WATT.	LUMEN*	
1-LAMP	2-LAMP		1-LAMP	2-LAMP
LFH6113	LFH6213	13W	900	1800
LFH6118	LFH6218	18W	1200	2400
LFH6126UE	LFH6226	26W	1800	3600
LFH6132UE		32W	2400	

* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :

VOLTAGE :

PROJECT :

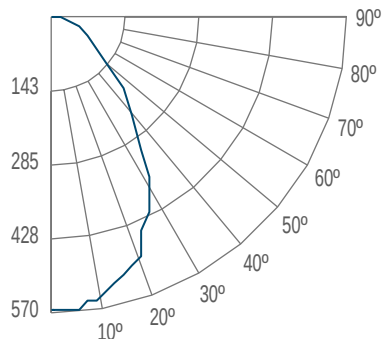
ITEM # :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	568
1	565
3	569
5	570
7	561
9	555
11	547
13	540
15	519
17	509
19.5	488
22.5	450
25.5	416
29	363
33	313
37.5	254
42.5	186
47.5	132
55	82
65	44
75	3
85	0
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12315	12315	12315
55	7830	7830	7830
65	5702	5702	5702
75	635	635	635
85	0	0	0

MULTIPLIERS**

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

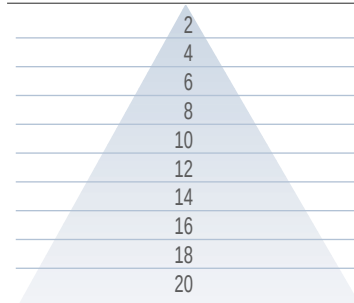
** Based on White Baffle (26W).

INITIAL FOOTCANDLES

(Beam angle : 90°)

Footcandles at center	Circle Diameter	Footcandles at edge
143.9	4.0	13.5
35.6	8.0	3.6
15.7	12.0	1.6
9.1	16.0	0.9
5.8	20.0	0.6
4.0	24.0	0.4
3.0	28.0	0.3
2.3	32.0	0.2
1.8	36.0	0.2
1.5	40.0	0.1

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	27	27	27	27	27	27	27	27	25	25	25	24	24	24	23	23	23	23	23	23	23
1	25	25	24	23	25	24	23	23	23	23	22	22	22	21	21	21	21	21	21	20	20
2	24	22	21	20	23	22	21	20	21	20	19	20	19	19	20	19	18	18	18	18	18
3	22	20	18	17	21	20	18	17	19	18	17	18	17	17	18	17	16	16	16	16	16
4	20	18	16	15	20	18	16	15	17	16	15	17	16	15	16	15	15	14	14	14	14
5	19	17	15	14	19	16	15	13	16	14	13	15	14	13	15	14	13	13	13	13	13
6	18	15	13	12	17	15	13	12	15	13	12	14	13	12	14	13	12	11	11	11	11
7	17	14	12	11	16	14	12	11	13	12	11	13	12	11	13	12	11	10	10	10	10
8	16	13	11	10	15	13	11	10	13	11	10	12	11	10	12	11	10	9	9	9	9
9	15	12	10	9	14	12	10	9	12	10	9	11	10	9	11	10	9	8	8	8	8
10	14	11	10	9	14	11	10	9	11	9	8	11	9	8	11	9	8	7	7	7	7

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	372.98	10.40	45.30
0 - 40	530.05	14.70	64.40
0 - 60	737.77	20.50	89.60
0 - 90	823.33	22.90	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	823.33	22.90	100.00