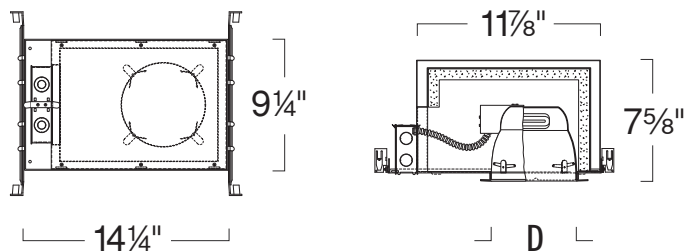


6" Architectural Fire-Rated Housing (1-Lamp) w/ Reflector w/ Lens

LHFH6 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 and 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.

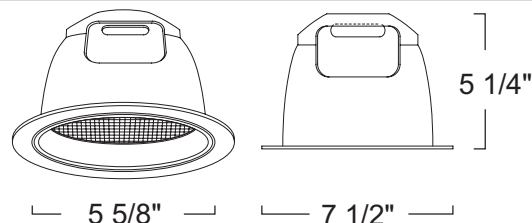
Mounting: Pre-punched key holes allow mounting of socket cap assembly for housing, with vertically adjustable socket cap. Reflector held in place with 6 steel pressure springs mounted on housing frame.

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

LHFH6 (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

REFLECTOR W/ LENS

LR662 CFL (2) 26W DTT, (1) 42W TTT

Ordering example: LHFRFL6118UE/LR662WWF-CF

REFLECTOR / FLANGE FINISH	LENS TYPE
LR662CNF :Clear Reflector/Natural Flange	Blank :Prismatic Lens
LR662CWF :Clear Reflector/White Flange	-AL :Albalite
LR662WWF :White Reflector/White Flange	-CF :Center-Frost™
LR662CCF :Clear Reflector/ Clear Flange	-CL :Clear
LR662SNF :Satin Reflector/ Natural Flange	-FR :Frosted
LR662SWF :Satin Reflector/ White Flange	

6" Clear Reflector with Prismatic Lens

Lamp: (2)CF26DD/E/841

Total Rated Lamp Lumens : 3600

Total Luminaire Efficiency : 23.3 %

CIE Type: Direct

Spacing Ratio: 1.00

Report File # LLI070307F.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

6" Horizontal Housing : LFH6226UE

6" Reflector with Lens : LR662C

32W Applications : LR652C

HOUSING		WATT.	LUMEN*	
1-LAMP	2-LAMP		1-LAMP	2-LAMP
LFH6113	LFH6213	13W	900	1800
LFH6118	LFH6218	18W	1200	2400
LFH6126UE	LFH6226UE	26W	1800	3600
LFH6132UE		32W	2400	

* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :

VOLTAGE :

PROJECT :

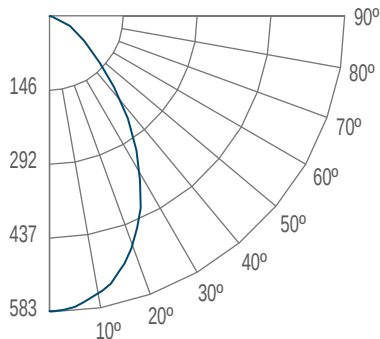
ITEM # :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	583
1	583
3	581
5	577
7	569
9	561
11	552
13	543
15	526
17	511
19.5	486
22.5	453
25.5	420
29	370
33	316
37.5	255
42.5	189
47.5	136
55	85
65	46
75	6
85	1
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12586	12586	12586
55	8116	8116	8116
65	5961	5961	5961
75	1270	1270	1270
85	628	628	628

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
Copper	0.75		

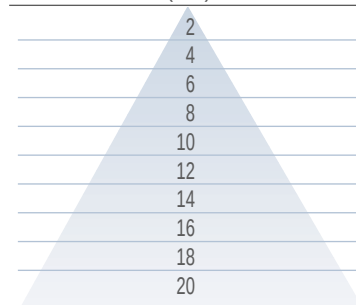
** Based on Clear reflector (26W).

INITIAL FOOTCANDLES

(Beam angle : 90°)

Footcandles at center	Circle Diameter	Footcandles at edge
145.8	4.0	14.6
36.4	8.0	3.6
16.2	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	28	28	28	28	27	27	27	27	26	26	26	25	25	25	24	24	24	23			
1	26	25	24	24	25	25	24	23	24	23	22	23	22	22	22	21	21	21			
2	24	22	21	20	23	22	21	20	21	20	19	21	20	19	20	19	19	18			
3	22	20	19	17	22	20	18	17	19	18	17	19	18	17	18	17	16	16			
4	21	18	17	15	20	18	16	15	18	16	15	17	16	15	17	16	15	14			
5	19	17	15	14	19	17	15	14	16	15	13	16	14	13	15	14	13	13			
6	18	15	14	12	18	15	13	12	15	13	12	14	13	12	14	13	12	12			
7	17	14	12	11	17	14	12	11	14	12	11	13	12	11	13	12	11	10			
8	16	13	11	10	16	13	11	10	13	11	10	12	11	10	12	11	10	10			
9	15	12	10	9	15	12	10	9	12	10	9	12	10	9	11	10	9	9			
10	14	11	10	9	14	11	10	9	11	10	9	11	9	9	11	9	9	8			

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	376.06	10.40	44.80
0 - 40	534.83	14.90	63.70
0 - 60	746.86	20.70	88.90
0 - 90	839.79	23.30	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	839.79	23.30	100.00