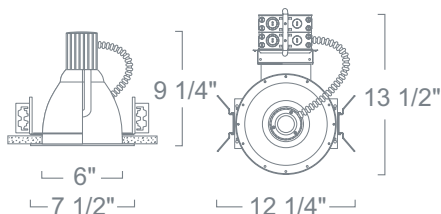


Architectural Housing (IC) w/ Baffle w/ Prismatic Lens LVH61 SERIES - 6" ARCHITECTURAL CFL RECESSED LIGHTING



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.

Housing Frame: 16 gauge galvanized plaster ring with powder coat finish, six friction clips secure trim to housing for ceilings up to 1 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: Extruded aluminum socket cap, 1 1/4" vertically adjustable socket arm with set screw which enables the use of multiple lamp types and repositioning to optimize lamp performance. Furnished with heat sink fins to vent lamp heat and extend lamp life. 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. IC rated housing rated for direct contact with low to medium density loosefill blown and rolled insulation. For use with high density loose fill blown insulation, reduce rated lamp wattage accordingly (roughly %15-%20).

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.

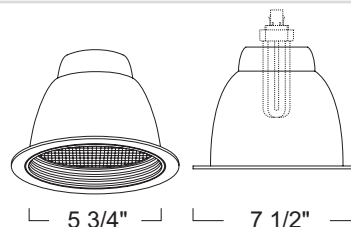
Mounting: Pre-punched key holes allow mounting of socket cap assembly for housing, with vertically adjustable socket cap. Reflector held in place with 6 steel pressure springs mounted on housing frame.

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



ARCHITECTURAL HOUSING

LVH61 CFL 42W Max

WATTAGE	BALLAST	OPTIONS
LVH6113IC :13W IC UE	:120V/277V Electronic	Blank :None
LVH6118IC :18W IC UD	:0-10V Dimming (120V/277V)	-EM :Emergency (Remote)
LVH6126IC :26W IC ADV-SM	:120V/277V Smart Mate	-EMA :Emergency (Trim)
	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-HL-27 :277V Lutron 3-Wire Dimming	
	LUT-TW :120V Tu-wire Dimming	
	UE-347 :347V Electronic	
E	:120V Electronic	

* Not available for 13W option.

**18W only.

Orders for EMA option must be accompanied with Trim style.

BAFFLE W/ PRISMATIC LENS

LR604 CFL 42W TTT, 26W DTT

Ordering example: LVH6113ICADV-SM-EMA/LR604WWF-FR

BAFFLE / FLANGE FINISH	LENS TYPE
LR604WWF :White Baffle/White Flange	Blank :Prismatic Lens
LR604BWF :Black Baffle/White Flange	-AL :Albalite
LR604NMF :Natural Baffle/Natural Flange	-CF :Center-Frost™
LR604COCOF :Copper Baffle/Copper Flange	-CL :Clear
LR604MOMOF :Mocha Baffle/Mocha Flange	-FR :Frosted

6" White Baffle with Prismatic Lens

Lamp: (1)CF26DT/E/IN/830

Total Rated Lamp Lumens : 1800

Total Luminaire Efficiency : 55.1%

CIE Type: Direct

Spacing Ratio: 0.94

Report File # LLI010504C.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

6" Vertical Housing : LVH6126UE

6" Baffle with Lens : LR604W

HOUSING	WATTAGE	LUMEN*
LVH6113	13W	900
LVH6118	18W	1200
LVH6126UE	26W	1800
LVH6132UE	32W	2400
LVH6142UE	42W	3200

* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :

VOLTAGE :

PROJECT :

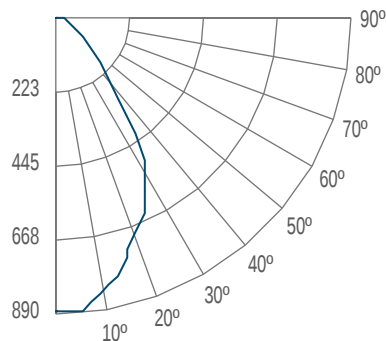
ITEM # :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	889
1	887
3	890
5	882
7	864
9	847
11	820
13	795
15	768
17	740
19.5	697
22.5	640
25.5	580
29	506
33	420
37.5	301
42.5	189
47.5	111
55	48
65	23
75	2
85	1
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11618	11618	11618
55	4583	4583	4583
65	2981	2981	2981
75	423	423	423
85	628	628	628

MULTIPLIERS**

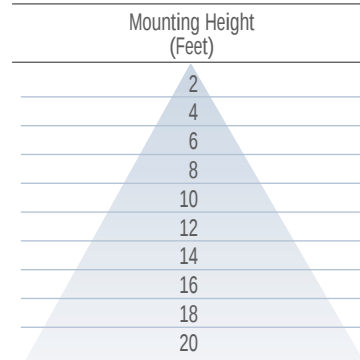
FINISHES		WATTAGES	
Black	0.85	13W	0.50
Natural	0.90	18W	0.66
Copper	0.85	32W	1.33
		42W	1.78

** Based on White Baffle (26W).

INITIAL FOOTCANDLES

(Beam angle : 84°)

Footcandles at center	Circle Diameter	Footcandles at edge
225.5	3.5	21.9
55.3	7.1	5.7
24.4	10.4	2.5
13.9	14.0	1.4
8.3	18.0	0.9
6.1	21.6	0.6
4.2	25.2	0.5
3.5	28.8	0.4
2.8	32.4	0.3
2.3	36.0	0.2



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	66	66	66	66	64	64	64	64	61	61	61	59	59	59	56	56	56	55	55	55	55
1	62	60	58	57	60	59	57	56	57	55	54	54	54	53	53	52	51	50	50	50	50
2	58	55	52	50	57	54	51	49	52	50	48	50	49	47	49	47	46	45	45	45	45
3	54	50	47	44	53	49	46	44	48	45	43	46	44	43	45	43	42	41	41	41	41
4	51	46	42	40	50	45	42	39	44	41	39	43	41	39	42	40	38	37	37	37	37
5	48	43	39	36	47	42	38	36	41	38	35	40	37	35	39	37	35	34	34	34	34
6	45	39	35	33	44	39	35	33	38	35	32	37	34	32	36	34	32	31	31	31	31
7	42	37	33	30	42	36	32	30	35	32	30	35	32	30	34	31	29	29	29	29	29
8	40	34	30	28	39	34	30	28	33	30	27	32	29	27	32	29	27	26	26	26	26
9	38	32	28	26	37	31	28	26	31	28	25	30	27	25	30	27	25	24	24	24	24
10	36	30	26	24	35	30	26	24	29	26	24	29	26	24	28	25	23	23	23	23	23

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	540.45	30.00	54.50
0 - 40	747.68	41.50	75.40
0 - 60	943.10	52.40	95.10
0 - 90	991.53	55.10	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	991.53	55.10	100.00