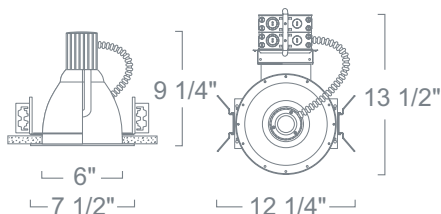


Architectural Housing (Non-IC) w/ Self-Flanged Baffled Reflector

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 medium to high ceilings in commercial and architectural installations. Reflector designed for minimal glare from lamp without sacrificing lumen output.

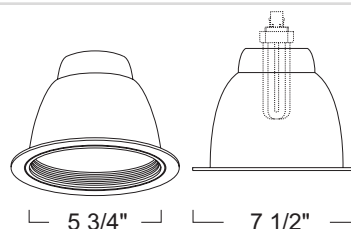
Construction: One piece self-flanged design enables a clean trim finish, without the need for a secondary trim ring. Heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Iridescent-free reflective coating minimizes unsightly rainbow effect.

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

LVH61 CFL 42W Max

WATTAGE	BALLAST	OPTIONS
LVH6113 :13W	UD :0-10V Dimming (120V/277V)	Blank :None
LVH6118 :18W	UE :120V/277V Electronic	-EM :Emergency (Remote)
LVH6126 :26W	ADV-SM :120V/277V Smart Mate	-EMA :Emergency (Trim)
LVH6126-42 :26W/32W/42W*	ADV-M7 :120V/277V Mark VII Dimming	-FS :Fuse
LVH6132 :32W	ADV-M10 :120V Mark X Dimming**	
LVH6142 :42W	ADV-M10-27 :277V Mark X Dimming***	
	LUT-HL :120V/277V Lutron 3-Wire Dimming	
	UE-347 :347V Electronic	
	LUT-TW :120V Tu-wire Dimming	
	E :120V Electronic	

* Multi-Watt Option Not Available for LUTRON Ballasts

** Not available for 13W option.

***18W only

SELF-FLANGED BAFFLED REFLECTOR

LR603 CFL 42 TTT, 26W DTT

Ordering example: LVH6113UD/LR603CNF

BAFFLE / FLANGE FINISH	OPTION
LR603NNF :Natural Baffle/Natural Flange	Blank :None
LR603WWF :White Baffle/White Flange	-EMA :EM Switch
LR603BWF :Black Baffle/White Flange	
LR603COCOF :Copper Baffle/Copper Flange	
LR603MOMOF :Mocha Baffle/Mocha Flange	
LR603CNF :Clear Baffle/ Natural Flange	

6" Clear Reflector-Baffle (White)

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

Total Rated Lamp Lumens : 1800

Total Luminaire Efficiency : 58.8 %

CIE Type: Direct

Spacing Ratio: 1.08

Report File # LLI070307C.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

6" Vertical Housing : LVH6126UE

6" Reflector-Baffle : LR603W

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 :

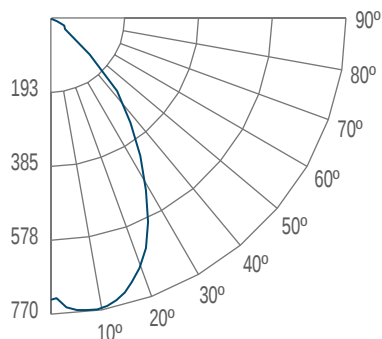
ITEM# :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	735
1	731
3	757
5	765
7	768
9	770
11	766
13	757
15	742
17	721
19.5	692
22.5	649
25.5	590
29	512
33	427
37.5	341
42.5	255
47.5	137
55	44
65	38
75	16
85	3
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15181	15181	15181
55	4201	4201	4201
65	4925	4925	4925
75	3386	3386	3386
85	1885	1885	1885

MULTIPLIERS**

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

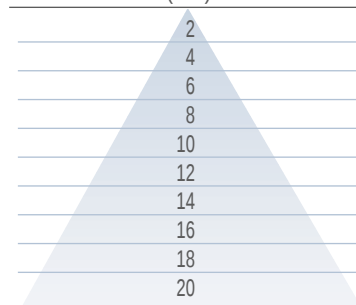
** Based on White Baffle (26W).

INITIAL FOOTCANDLES

(Beam angle : 90°)

Footcandles at center	Circle Diameter	Footcandles at edge
183.8	4.0	18.4
45.9	8.0	4.6
20.4	12.0	2.0
11.5	16.0	1.1
7.4	20.0	0.7
5.1	24.0	0.5
3.8	28.0	0.4
2.9	32.0	0.3
2.3	36.0	0.2
1.8	40.0	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	0
0	70	70	70	70	68	68	68	68	65	65	65	63	63	63	60	60	60	59
1	66	63	62	60	64	62	60	59	60	58	57	57	56	55	55	55	54	53
2	61	58	54	52	60	56	54	51	54	52	50	53	51	49	51	49	48	47
3	57	52	49	46	56	51	48	45	50	47	45	48	46	44	47	45	43	42
4	53	48	44	41	52	47	43	40	46	43	40	45	42	39	43	41	39	38
5	50	44	40	37	49	43	39	36	42	39	36	41	38	36	40	37	35	34
6	47	41	36	33	46	40	36	33	39	35	33	38	35	32	37	34	32	31
7	44	37	33	30	43	37	33	30	36	33	30	35	32	30	35	32	30	29
8	41	35	31	28	41	34	30	28	34	30	27	33	30	27	32	29	27	26
9	39	32	28	25	38	32	28	25	31	28	25	31	28	25	30	27	25	24
10	37	30	26	24	36	30	26	24	29	26	23	29	26	23	28	25	23	22

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	526.44	29.20	49.70
0 - 40	741.82	41.20	70.10
0 - 60	980.80	54.50	92.70
0 - 90	1058.54	58.80	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	1058.54	58.80	100.00