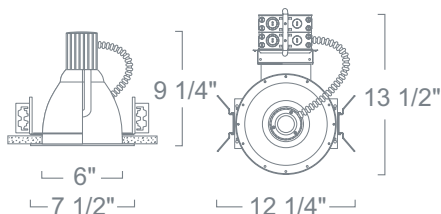


Architectural Housing (Non-IC) w/ Self-Flanged Hizak Reflector

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.

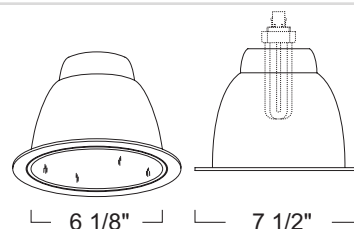
Construction: One piece self-flanged design enables a clean trim finish, without the need for a secondary trim ring. Heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Iridescent-free reflective coating minimizes unsightly rainbow effect.

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 HIZAK REFLECTOR

LR601 CFL 42W TTT, 26W DTT

Ordering example: LVH6113UD/LR601CCF

REFLECTOR / FLANGE FINISH	OPTION
LR601CCF :Clear Reflector/Clear Flange	Blank :None
LR601CNF :Clear Reflector/Natural Flange	-EMA :EM Switch
LR601CWF :Clear Reflector/White Flange	
LR601SSF :Satin Haze Reflector/Satin Haze Flange	
LR601MOMOF :Mocha Reflector/ Mocha Flange	

6" Clear Specular HighZak Reflector

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

Total Rated Lamp Lumens : 1800

Total Luminaire Efficiency : 77.5%

CIE Type: Direct

Spacing Ratio: 1.46

Report File # LLI120302B.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

6" Vertical Housing : LVH6126UE

6" HighZak Reflector : LR601CCF

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 :

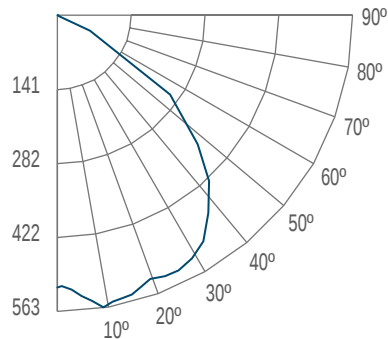
ITEM# :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	518
1	516
3	523
5	536
7	548
9	563
11	556
13	553
15	550
17	542
19.5	533
22.5	538
25.5	539
29	530
33	513
37.5	474
42.5	428
47.5	364
55	263
65	69
75	2
85	2
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	30672	30672	30672
55	25113	25113	25113
65	8942	8942	8942
75	423	423	423
85	1257	1257	1257

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		

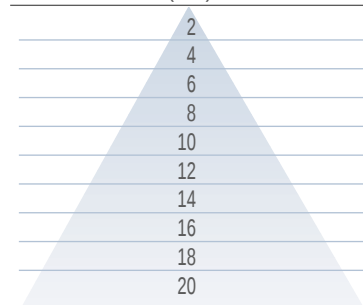
** Based on Clear reflector (26W).

INITIAL FOOTCANDLES

(Beam angle : 110°)

Footcandles at center	Circle Diameter	Footcandles at edge
129.5	5.7	12.9
32.4	11.4	3.2
14.4	17.1	1.4
8.1	22.9	0.8
5.2	28.6	0.5
3.6	34.3	0.4
2.6	40.0	0.3
2.0	45.7	0.2
1.6	51.4	0.2
1.3	57.1	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	0
0	92	92	92	92	90	90	90	90	86	86	86	82	82	82	79	79	79	77
1	85	82	79	77	83	80	78	76	77	75	73	74	73	71	72	70	69	67
2	78	73	68	64	76	71	67	63	68	65	62	66	63	60	64	61	59	57
3	72	64	58	54	70	63	58	53	61	56	52	59	55	51	57	53	51	49
4	66	57	51	46	64	56	50	46	54	49	45	52	48	44	51	47	44	42
5	61	51	45	40	59	50	44	39	49	43	39	47	42	39	46	42	38	37
6	56	46	40	35	55	45	39	35	44	38	34	43	38	34	42	37	34	32
7	52	42	35	31	51	41	35	31	40	34	30	39	34	30	38	33	30	28
8	48	38	32	27	47	38	32	27	37	31	27	36	31	27	35	30	27	25
9	45	35	29	25	44	35	29	25	34	28	24	33	28	24	32	28	24	23
10	42	32	26	22	41	32	26	22	31	26	22	30	26	22	30	25	22	21

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	426.05	23.70	30.60
0 - 40	684.36	38.00	49.10
0 - 60	1197.69	66.50	85.90
0 - 90	1394.39	77.50	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	1394.39	77.50	100.00