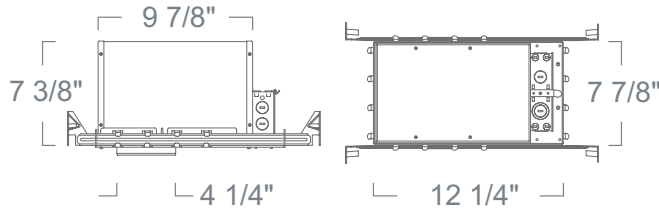


IC Airtight CFL Housing w/ Deep Reflector LH99P SERIES - 4" COMPACT FLUORESCENT RECESSED LIGHTING



SPECIFICATION

Ceiling cut-out: 4 1/2"

Application: General purpose recessed downlight housing for low to medium height ceilings for residential and light commercial applications. A variety of trims, compatible styles and finishes are available to achieve the desired décor and illumination.

Housing: Pre-wired housing adjusts up to a 1 1/2" ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Trim is secured with torsion wing springs/standard coil springs.

Mounting: Housing suitable for new construction installations only, supplied with (2) 24" adjustable hanger bars with 90 degrees repositioning ability. Hanger bars equipped with nail-less install 3/4" serrated barbed studs and with captive nails, for faster and easier secure mounting in wood joists. Set-screws lock into position and prevent shifting after installation. Earthquake structural cable compatible for drop panel ceiling or any other mounting that requires direct support from structural ceilings.

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: 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 Junction Box, 32 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (7) 3/4" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

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

Safety Labels: ETL/CETL listed for through-branch wiring (8) No.12 AWG 90°C and suitable for damp locations. NYC approved: Calendar #41937.

Emergency Option: Emergency back-up operates one lamp for a minimum of 90 minutes at 750 Lumens in case of power outage. Unit is remotely mounted. It includes battery, charger, and test switch with indicator light. Consult Factory for 1300 Lumen Package.

Label: cETL Listed

FEATURE:

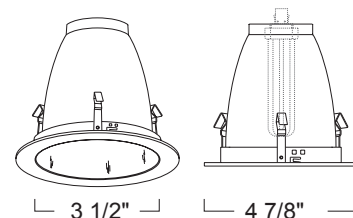


Application: Great for basic area lighting of a room or space. The 4" reflector trims produce a low, bright illumination with a choice of reflector and trim ring color combination. The clear reflector produces a maximum light output while minimizing the source. The black reflector creates a "hidden" effect that obscures the glare of the lamp. All of the color choices create an outstanding general illumination that is suitable in both residential and light commercial applications.

Mounting: Steel pressure springs mounted on trim to ensure positive retention inside housing.

Label: UL Listed, cETL Listed

Limitation: Not for use w/Shallow Housings.



IC AIRTIGHT CFL HOUSING

LH99PICA CFL 13W DTT, 18W/26W TTT

WATTAGE + BALLAST	OPTIONS
LH99PICA : 13W IC Airtight (No Box)	Blank : None
LH99PICA-26E : 26W 120V	-27 : 120V/277V
LH99PICA-1326UE : 13W/18W/26W 120V/277V IC Airtight	-EM : Emergency
LH99PICA-18E : 18W Magnetic (No Box)	

DEEP REFLECTOR

LR909 CFL 13W Max DTT, 26W TTT

REFLECTOR FINISH	RING FINISH
LR909W : White	Blank : White
LR909B : Black	B : Black
LR909C : Clear	N : Natural
LR909S : Satin Haze	

Ordering example: LH99PICA-EM/LR909B

Spacing Ratio: 1.04

LM-63-2002

4" Specular Reflector : LR909C

HOUSING	WATTAGE	LUMEN*
LVH4113	13W	900
LVH4118	18W	1200
LVH4126	26W	1800

* Lumens may vary upon lamp types/manufacturers.

DATE :

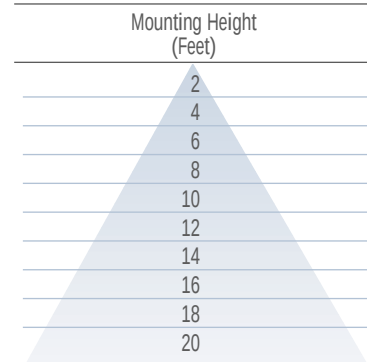
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15292	15292	15292
55	658	658	658
65	0	0	0
75	0	0	0
85	0	0	0

FINISHES		WATTAGES	
Gold	0.90	13W	0.75
White	0.95	26W	1.50
Black	0.70		
Satin Haze	0.80		
Copper	0.75		

** Based on Clear reflector (18W).

(Beam angle : 86°)

Footcandles at center	Circle Diameter	Footcandles at edge
132.8	3.7	13.3
33.2	7.5	3.3
14.8	11.2	1.5
8.3	14.9	0.8
5.3	18.7	0.5
3.7	22.4	0.4
2.7	26.1	0.3
2.1	29.8	0.2
1.6	33.6	0.2
1.3	37.3	0.1



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

ZONE	LUMENS	%LAMP	%FIXT
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0 - 30	408.81	32.70	62.80
0 - 40	574.02	45.90	88.20
0 - 60	650.34	52.00	100.00
0 - 90	650.59	52.00	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	650.59	52.00	100.00