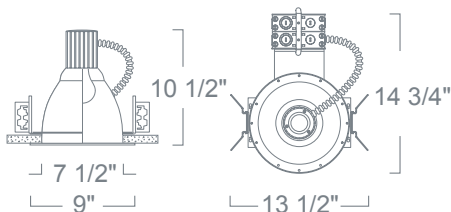


Architectural Housing w/ Reflector w/ Lens LH800 SERIES - 8" ARCHITECTURAL INCANDESCENT RECESSED LIGHTING



SPECIFICATION

Ceiling cut-out: 8 1/8"

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 1/2" 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.

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: Standard porcelain medium screw base socket with high temperature leads.

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.

Safety Labels: UL/CUL listed for through-branch wiring (16) No.12 AWG 90°C and suitable for damp locations. NYC approved: Calendar #41937.

Label: UL Listed, cETL Listed

Assembled in USA

FEATURE:



Application: Architectural-grade recessed downlight reflector for high 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.

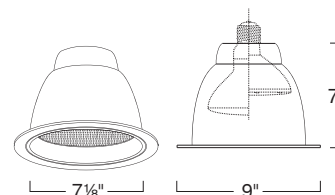
Mounting: Pre-punched key holes allow mounting of socket cap assembly for housing, with vertically adjustable socket cap. Reflector held in place with 6 steel pressure springs mounted on housing frame.

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

LH800 120V 250W Max PAR38/ A19/ A21 MED E26

WATTAGE	OPTIONS	HANGER OPTIONS
LH800:250W	Blank :None -FS :Fuse	Blank :No Hanger /C260 :(2)26" C- Channel Hanger Bars

REFLECTOR W/ LENS

LR872 120V 250W Max PAR38/ A19/ A21

REFLECTOR / FLANGE FINISH	LENS
LR872CWF :Clear Reflector/White Flange	-FR :Frosted
LR872SNF :Satin Haze Reflector/Satin Haze Flange	Blank :Prismatic Lens
LR872WWF :White Reflector/White Flange	-CL-PC :Clear Polycarbonate Lens

Ordering example: LH800/C260/LR872CWF

8" Clear Reflector with Prismatic Lens

Lamp: (1)150W A-21

Total Rated Lamp Lumens : 2780

Total Luminaire Efficiency : 46.4%

CIE Type: Direct

Spacing Ratio: 1.04

Report File # LLI010504A.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

8" Housing : LH800

8" Reflector with Lens : LR872C

HOUSING	LAMP	MAX. WATT	LUMEN*
LH800	A21	150W	2790
	PAR38	150W	---

* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :

VOLTAGE :

PROJECT :

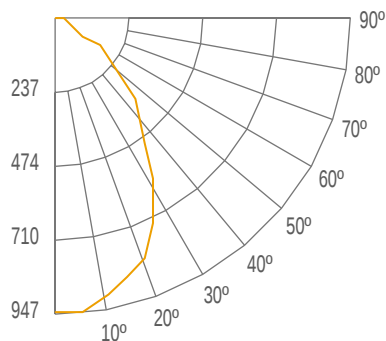
ITEM # :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	935
5	947
10	917
15	869
20	812
25	718
30	615
35	500
40	362
45	252
50	160
55	96
60	59
65	20
70	8
75	3
80	0
85	0
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10870	10870	10870
55	5105	5105	5105
65	1443	1443	1443
75	354	354	354
85	0	0	0

MULTIPLIERS**

FINISHES

Gold	0.90
White	0.95
Black	0.70
Satin Haze	0.80
Copper	0.75

** Based on Clear reflector

INITIAL FOOTCANDLES

(Beam angle : 90°)

Footcandles at center	Circle Diameter	Footcandles at edge
235.2	4.0	24.4
58.4	8.0	5.8
27.0	12.0	2.6
13.2	16.0	1.5
9.4	20.0	0.9
6.5	24.0	0.7
4.8	28.0	0.5
3.7	32.0	0.4
2.9	36.0	0.3
2.3	40.0	0.2

Mounting Height (Feet)
2
4
6
8
10
12
14
16
18
20

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	55	55	55	55	54	54	54	54	52	52	52	49	49	49	47	47	47	46			
1	52	51	49	48	51	50	48	47	48	47	46	46	45	45	44	44	43	42			
2	49	46	44	42	48	45	43	42	44	42	41	43	41	40	41	40	39	38			
3	46	42	40	37	45	42	39	37	40	38	37	39	37	36	38	37	35	35			
4	43	39	36	33	42	38	35	33	37	35	33	36	34	32	35	34	32	31			
5	40	36	33	30	39	35	32	30	34	32	30	34	31	29	33	31	29	28			
6	38	33	30	27	37	33	29	27	32	29	27	31	29	27	30	28	27	26			
7	36	30	27	25	35	30	27	25	30	27	25	29	26	25	28	26	24	24			
8	33	28	25	23	33	28	25	23	27	25	23	27	24	23	26	24	23	22			
9	32	26	23	21	31	26	23	21	26	23	21	25	23	21	25	22	21	20			
10	30	25	22	20	29	24	21	20	24	21	19	24	21	19	23	21	19	19			

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	662.82	23.80	51.40
0 - 40	970.83	34.90	75.30
0 - 60	1259.26	45.30	97.70
0 - 90	1289.23	46.40	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	1289.23	46.40	100.00