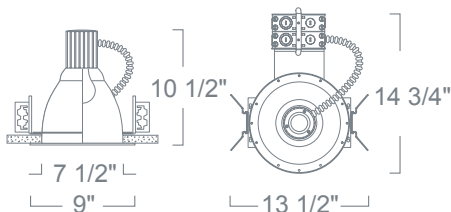


Architectural Housing w/ Baffled Reflector

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:



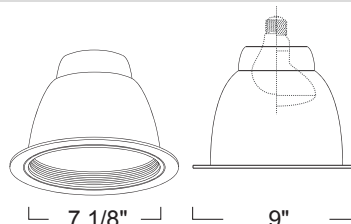
Application: Architectural-grade recessed downlight reflector in high ceilings for commercial and architectural installations. Reflector designed for minimal glare from lamp without sacrificing lumen output.

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

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

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

BAFFLED REFLECTOR

LR873 120V 250W Max PAR38/ A19/ A21

BAFFLE / FLANGE FINISH
LR873NNF :Natural Baffle/Natural Flange
LR873BWF :Black Baffle/White Flange
LR873COCOF :Copper Baffle/Copper Flange
LR873MOMOF :Mocha Baffle/Mocha Flange

Ordering example: LH800/C260/LR873BWF

8" Clear Reflector-Baffle (Black)

Lamp: (1)150W A21

Total Rated Lamp Lumens : 2780

Total Luminaire Efficiency : 67.5%

CIE Type: Direct

Spacing Ratio: 0.94

Report File # LLI010404C.IES

By: Light Laboratory, Inc.

LM-63-2002

LUMINANCE DATA

8" Incandescent Housing : LH800

8" Reflector-Baffle : LR873B

HOUSING	LAMP	MAX. WATT	LUMEN*
LH800	A21	150W	2780
	A23	200W	4000
	PAR38	150W	---

* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :

VOLTAGE :

PROJECT :

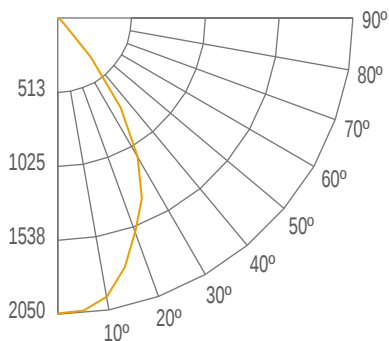
ITEM # :

DATE :

CANDLE POWER DISTRIBUTION

DEGREES
VERTICAL AVERAGE

0	2050
5	2039
10	1961
15	1793
20	1574
25	1382
30	1110
35	761
40	357
45	65
50	12
55	3
60	1
65	0
70	0
75	0
80	0
85	0
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2804	2804	2804
55	160	160	160
65	0	0	0
75	0	0	0
85	0	0	0

MULTIPLIERS**

FINISHES

White	1.10
Natural	1.05
Copper	1.05

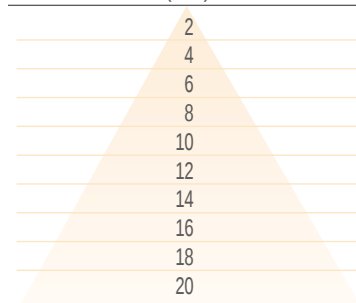
** Based on Black Reflector-Baffle

INITIAL FOOTCANDLES

(Beam angle : 80°)

Footcandles at center	Circle Diameter	Footcandles at edge
512.5	3.4	51.3
128.1	6.7	12.8
356.9	10.1	5.7
32.0	13.4	3.2
20.5	16.8	2.1
14.2	20.1	1.4
10.5	23.5	1.0
8.0	26.9	0.8
6.3	30.2	0.6
5.1	33.6	0.5

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	50	30	10	0
0	80	80	80	80	79	79	79	79	75	75	75	72	72	72	69	69	69	68			
1	77	75	73	72	75	73	72	71	71	70	68	68	67	66	66	65	64	63			
2	73	70	67	65	71	69	66	64	66	64	63	64	63	61	63	61	60	59			
3	69	65	62	59	68	64	61	59	62	60	58	61	59	57	59	57	56	55			
4	66	61	57	54	65	60	57	54	59	56	53	57	55	53	56	54	52	51			
5	62	57	53	50	61	56	53	50	55	52	49	54	51	49	53	50	49	48			
6	59	53	49	46	58	53	49	46	52	48	46	51	48	46	50	47	45	44			
7	56	50	46	43	55	50	46	43	49	45	43	48	45	43	47	44	42	41			
8	54	47	43	40	53	47	43	40	46	43	40	45	42	40	45	42	40	39			
9	51	44	40	38	50	44	40	38	43	40	38	43	40	37	42	39	37	36			
10	49	42	38	35	48	42	38	35	41	38	35	41	37	35	40	37	35	34			

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	1317.54	47.40	70.20
0 - 40	1779.59	64.00	94.80
0 - 60	1877.47	67.50	100.00
0 - 90	1877.72	67.50	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	1877.72	67.50	100.00