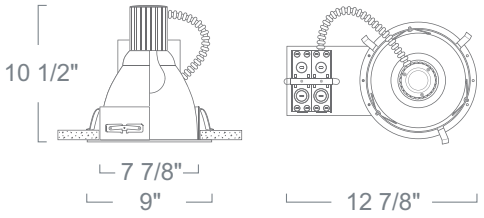
TYPE _____ PROJECT _____

CATALOG# _____

Remodel Architectural Housing w/ Baffle w/ Lens

LH800 SERIES - 8" ARCHITECTURAL INCANDESCENT RECESSED LIGHTING



SPECIFICATION

Ceiling cut-out: 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. Pre-installed torsion remodeling clips for secure installation on existing ceiling.

Mounting: Housing suitable for existing or new construction installations, supplied with 4 high tension remodeling clips, designed to secure the housing to an existing sheetrock ceiling up to 1" thick for fast and easy installation from below the ceiling line.

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: cETL Listed

Assembled in USA

FEATURE:

U.S. Assembled

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.

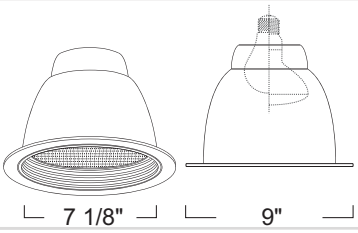
Mounting: Pre-punched key holes allow mounting of socket cap assembly for housing, with vertically adjustable socket cap. Reflector held in place with 6 steel pressure springs mounted on housing frame.

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



REMODEL ARCHITECTURAL HOUSING

LH800R *120V 200W MAX PAR38/ A19/ A21 MED E26*

WATTAGE	OPTIONS
LH800R :250W	**Blank** :None
	-FS :Fuse

BAFFLE W/ LENS

LR874 *120V 250W Max PAR38/ A19/ A21*

BAFFLE / FLANGE FINISH		LENS	
LR874NNF	:Natural Baffle/Natural Flange	**Blank**	:Prismatic Lens
LR874WWF	:White Baffle/White Flange	**-FR**	:Frosted
LR874BWF	:Black Baffle/White Flange	**-CL-PC**	:Clear Polycarbonate Lens
LR874COCOF	:Copper Baffle/Copper Flange		
LR874MOMOF	:Mocha Baffle/Mocha Flange		

Ordering example: LH800R-FS/LR874WWF-CL-PC

2016.8.29

File Located online www.liton.com/spec

ID#: 562_566

8" Black Baffle with Prismatic Lens
Lamp: (1)150W A21
Total Rated Lamp Lumens : 2780
Total Luminaire Efficiency : 46.7%
CIE Type: Direct
Spacing Ratio: 1.04

Report File # LLI010404D.IES
By: Light Laboratory, Inc.
LM-63-2002

LUMINANCE DATA

8" Incandescent Housing : **LH800**
8" Baffle with Lens : **LR874B**

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

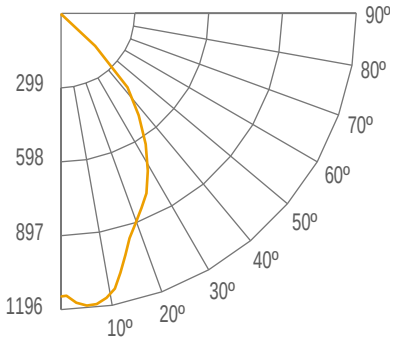
* Lumens may vary upon lamp types/manufacturers.

PROJECT INFORMATION

TYPE :
VOLTAGE :
PROJECT :
ITEM # :
DATE :

CANDLE POWER DISTRIBUTION

DEGREES VERTICAL	AVERAGE
0	936
5	947
10	917
15	869
20	812
25	718
30	615
35	505
40	366
45	254
50	164
55	95
60	61
65	23
70	9
75	4
80	1
85	0
90	0



LUMINANCE

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10957	10957	10957
55	5052	5052	5052
65	1660	1660	1660
75	471	471	471
85	0	0	0

MULTIPLIERS**

FINISHES	
White	1.10
Natural	1.05
Copper	1.05

** Based on Black Reflector-Baffle

INITIAL FOOTCANDLES (Beam angle : 90º)

Footcandles at center	Circle Diameter	Footcandles at edge
234.0	4.0	23.4
58.5	8.0	5.8
26.0	12.0	2.6
14.6	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	0
0	56	56	56	56	54	54	54	54	52	52	52	50	50	50	48	48	48	47
1	53	51	50	48	51	50	49	48	48	47	46	46	46	45	45	44	43	43
2	49	47	44	42	48	46	44	42	44	43	41	43	41	40	41	40	39	38
3	46	43	40	38	45	42	39	37	41	38	37	39	38	36	38	37	36	35
4	43	39	36	34	42	38	36	33	37	35	33	36	34	33	36	34	32	31
5	40	36	33	30	40	35	32	30	35	32	30	34	31	30	33	31	29	28
6	38	33	30	27	37	33	30	27	32	29	27	31	29	27	31	28	27	26
7	36	31	27	25	35	30	27	25	30	27	25	29	27	25	28	26	25	24
8	34	28	25	23	33	28	25	23	28	25	23	27	25	23	27	24	23	22
9	32	26	23	21	31	26	23	21	26	23	21	25	23	21	25	23	21	20
10	30	25	22	20	29	25	22	20	24	21	19	24	21	19	23	21	19	19

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0 - 30	662.84	23.80	51.10
0 - 40	973.08	35.00	75.00
0 - 60	1264.72	45.50	97.40
0 - 90	1298.25	46.70	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	1298.25	46.70	100.00