LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where a baffled fixture is required.

CONSTRUCTION — Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

Heavy gauge die formed galvanized steel mounting frame. Attached to frame are vertically adjustable mounting brackets for use with C channels, ½" steel conduit or 16 gauge flat bar hangers included, standard. Frames equipped with galvanized junction box UL Listed for through wire applications. Junction boxes equipped with (2) ¾" and (4) ½" conduit knockouts with pryout slots and removable access doors.

Retaining clips packed with reflector for installation on rough-in.

Maximum 1-1/2" ceiling thickness.

OPTICS — Aluminum full reflectors are optically designed to maximize lumen output and to provide superior glare control. The black or white baffled reflectors have a semi-specular upper finish with white painted flange standard.

ELECTRICAL — 120V/277V electronic ballast is standard.

Thermally protected against improper contact with insulation.

Durable, pulse rated medium base porcelain socket with nickel-plated alloy screw shell and contact. Protected lamps ship standard.

Rated for #12 AWG conductor thru-branch wiring. Minimum 90° supply wire.

Ground wire provided.

LISTINGS — Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian Safety Standards.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

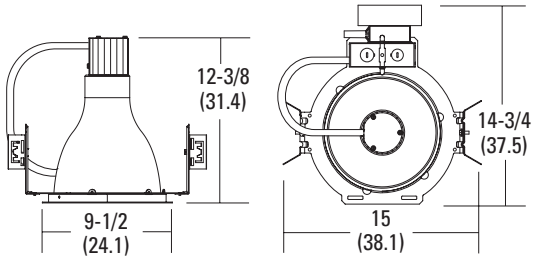
Note: Specifications subject to change without notice.

HID Downlighting

8" LP8HN

BAFFLE

Vertical Metal Halide ED-17 Lamp



Specifications

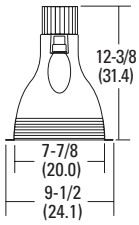
Max. height: 12-3/8 (31.4)

Ceiling opening: 8-3/4 (22.2)

Overlap trim: 9-1/2 (24.1)

Length: 14-3/4 (37.5)

Width: 15 (38.1)



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION For shortest lead times, configure product using **bolded options.**

Example: LP8HN 100M 8B3W 120/277

LP8HN						
Series	**Wattage/Lamp**		**Reflector/Color**[2]		**Voltage**	**Options**	
LP8HN	Metal halide		**8B3**	Black baffle	**120/277**	SF	Single fuse, must specify voltage
	50M	50W MP50/C/U	**8B3W**	White baffle	120	QRS	Quartz restrike system(uses maximum 100W DC-base quartz lamp)[3]
	70M	70W MP70/C/U			277	QRSTD	Quartz restrike system with time delay. Operates like QRS, except quartz lamp remains on for two minutes after HID lamp restrikes[4]
	100M	100W MP100/C/U				WLP	Lamp (shipped separately)
	Color-corrected metal halide[1]					LBH	Less barhangers
	50MPC	MPC50/C/MED					
	70MPC	MPC70/C/MED					
	100MPC	MPC100/C/MED					

Accessories: *Order as separate catalog number.*

SCA8	Sloped ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D) Ex: SCA8 **10D**.
CTE8	Ceiling thickness extender is used when ceiling thickness is greater than 1-1/2 (3.8). Maximum thickness 2 (5.1).

Notes

1 Ceramic arc tube consistent-color lamp. Philips MasterColor or GE ConstantColor.

2 White painted flange standard.

3 Not available with QRSTD.

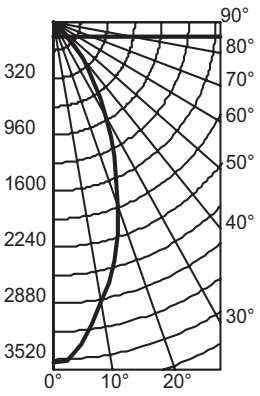
4 Not available with QRS.

8" **LP8HN** Vertical Metal Halide, ED-17 Lamp, Baffle

PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

LP8HN 70M 8B3, (1) 70W MH lamp, .71 s/mh, 4800 rated lumens, test no. LTL9586



Vertical Angle	Horizontal Angle
0	3874
5	3671
15	2807
25	1686
35	835
45	199
55	7
65	4
75	3
85	0
90	0

Zonal Lumen Summary

Zone	Lumens	% Lamp
0° - 30°	1884.2	39.3
0° - 40°	2412.2	50.3
0° - 60°	2591.3	54.0
0° - 90°	2597.6	54.1
90° - 180°	0.0	0.0
0° - 180°	2597.6	*54.1

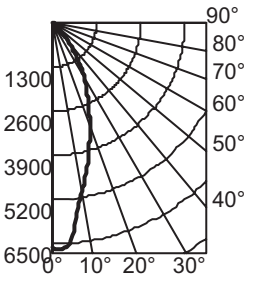
*Total Efficiency

Coefficients of Utilization

pf	20%					
p	80		70		50	
p	50%	30	50%	30%	50%	30%
0	64	64	63	63	60	60
1	60	59	59	58	57	56
2	56	54	55	53	53	52
3	52	50	52	49	50	48
4	49	46	48	46	47	45
5	46	43	46	43	45	42
6	43	40	43	40	42	40
7	41	38	41	38	40	37
8	39	36	38	35	38	35
9	37	34	36	33	36	33
10	35	32	35	32	34	31

RCR

LP8HN 100M 8B3W, (1) 100W MP100/c/u/MED lamp, .65 s/mh, 7900 rated lumens, Test no. LTL18316



Intensity Distribution

Vertical Angle	Horizontal Angle 0°
0°	6617
5°	6414
15°	4091
25°	2472
35°	1262
45°	334
55°	104
65°	89
75°	71
85°	21
90°	0

Zonal Lumen Summary

Zone	Lumens	% Lamp
0° - 30°	2975.5	37.7
0° - 40°	3814.4	48.3
0° - 60°	4208.2	53.3
0° - 90°	4399.3	55.7
90° - 180°	0.0	0.0
0° - 180°	4399.3	*55.7

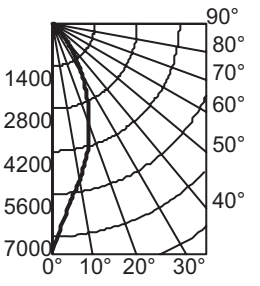
*Total Efficiency

Coefficients of Utilization

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
0	66	66	65	65	62	62
1	61	60	60	59	58	57
2	57	54	56	53	54	52
3	52	50	52	49	50	48
4	49	46	48	45	47	44
5	46	42	45	42	44	41
6	43	39	42	39	42	39
7	40	37	40	37	39	36
8	38	35	38	35	37	34
9	36	33	36	33	35	32
10	34	31	34	31	33	31

RCR

LP8HN 100M 8B3, (1) 100W MP100/c/u/MED lamp, .55 s/mh, 7900 rated lumens, Test no. LTL18321



Intensity Distribution

Vertical Angle	Horizontal Angle 0°
0°	7449
5°	6025
15°	4415
25°	2722
35°	1285
45°	261
55°	11
65°	6
75°	3
85°	2
90°	0

Zonal Lumen Summary

Zone	Lumens	% Lamp
0° - 30°	3013.7	38.1
0° - 40°	3813.6	48.3
0° - 60°	4055.3	51.3
0° - 90°	4065.4	51.5
90° - 180°	0.0	0.0
0° - 180°	4065.4	*51.5

*Total Efficiency

Coefficients of Utilization

pf	20%					
pc	80%		70%		50%	
pw	50%	30%	50%	30%	50%	30%
0	61	61	60	60	57	57
1	57	56	56	55	54	53
2	53	51	53	51	51	49
3	50	48	49	47	48	46
4	47	44	46	44	45	43
5	44	41	44	41	43	40
6	42	39	41	38	40	38
7	39	36	39	36	38	36
8	37	34	37	34	36	34
9	35	32	35	32	34	32
10	33	31	33	30	33	30

RCR

Notes

Actual performance may differ as a result of end-user environment and application.

LITHONIA LIGHTING®
An AcuityBrands Company

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4935 Fax: 770-860-3129 www.lithonia.com