

OM8175ED17MHPSND

8" Metal Halide Reflector Downlights

CAT. NO:

TYPE:

PROJECT:

PRODUCT INFORMATION

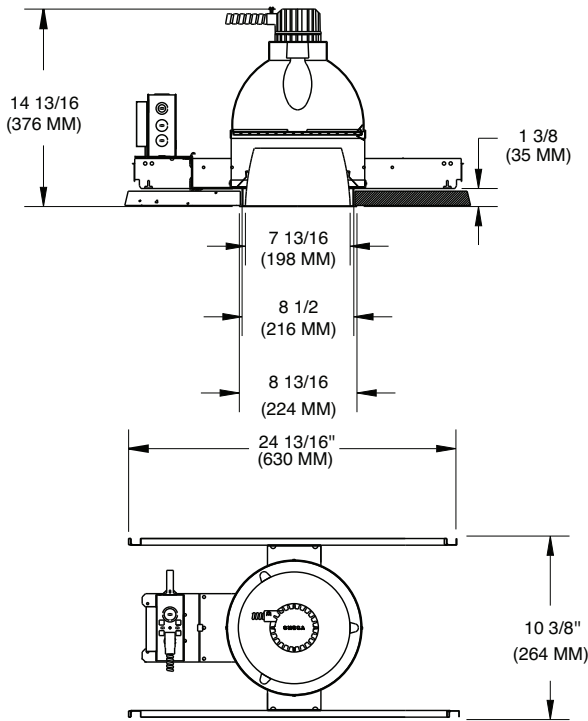
Applications

Low brightness metal halide downlight suitable for general lighting in auditoriums, transportation terminals, schools, churches, restaurants, hotels, or offices. Upper reflector design allows for use with efficient E type lamps.

Specifications

- Mounting pan** - Precision die-formed 16 gauge bonderized steel mounting pan and ballast tray.
- Housing** - 20 gauge bonderized steel lower housing, baked-on matte black finish with upper clear specular Alzak reflector.
- Installation** - Mounting pan has pre-installed C-channel with vertical and horizontal adjustments. Ballast, junction box and mounting brackets are accessible from below ceiling. Allow 2" above unit for servicing from below.
- Ballast** - Electronic high power factor pulse start ballast.
- Trim** - Precision spun .051 aluminum, self flanged with clear specular Alzak finish. Standard flat flange is painted white. Optional polished flange matching trim finish available, add FF to catalog no.
- Shatter guard** - Protective lamp shatter shield of tempered safety glass provided with trim.
- Baffle** - Precision machined .051 aluminum with deep grooves to eliminate aperture glare, anodized matte black or matte white finish. Standard flat flange is painted white. Optional black flange with black baffle available, add FF to catalog no.
- Socket enclosure** - Die cast aluminum heat sink, medium base 4 K.V. porcelain socket with nickel-plated copper screw shell and 200°C wire.
- Junction box** - Extra large 43.75-cubic inch 16 gauge galvanized steel with snap-on covers. Approved for through wiring with up to 8 #12 AWG conductors.
- Top relamping** - Fixture is suitable for top relamping.
- Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
- U.L. Listed** - For use in damp locations and approved for Through Branch Circuit Wiring, I.B.E.W. union made.

Canadian Specifications may vary from these shown, consult Canadian Division.



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CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM8175ED17MHPSND-CS-EU

OMEGA Apr.	Lamp (by others) ¹	Lamp Type	Distribution	Reflector Finish	Frame Options	Slope Ceiling Adapter Angle	Supply Voltage
OM8	175 ED17 150 ED17	MHPS Metal Halide Pulse Start	ND Narrow Distribution	CS Clear Specular CSS Clear Semi-Specular BB Black Baffle HZ Haze GS Champagne Gold Specular WT Wheat PW Pewter BZ Bronze WH White BK Black FF Finish Flange (As suffix to color)	SA8 Sloped Ceiling Adapter FZ120 Fusing FZ277 Fusing FZ347 Fusing QEM Emergency QR Quartz Restrike FB Flat Bar Hangers	5 10 15 20 25 30	EU Electronic 120/277 347 347V •



**FIVE YEAR
Warranty**

1. Consult factory on 150W 347volt.

PHILIPS OMEGA
776 South Green St., Tupelo, MS 38804
Phone 662.842.7212 FAX 662.841.5501

PHILIPS DAY-BRITE CANADA
189 Bullock Drive, Markham, Ontario, Canada L3P 1W4
Phone 905.294.9570 FAX 800.268.0003

PHILIPS
omega

OM8175ED17MHND-CS

Photometric Data

Clear Specular Reflector

Report Number: 17124

Lamp: 175W MH ED-17 Coated

Total Lumens: 15000

Fixture Efficiency: = 55.6%

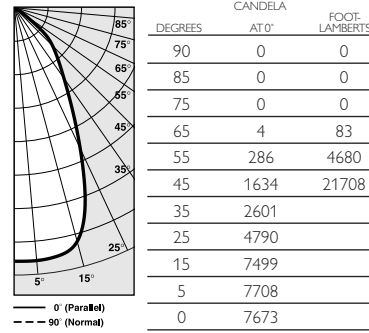
IES File: C5562.IES

S/MH Ratio = 0.9

Beam Angle: 57.21

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
10	27.3	8-2
12	17.0	10-4
14	11.6	12-6
16	8.4	14-8
18	6.4	16-10

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC	80			70			50		
RW	50	30		50	30		50	30	
0	65	65		63	63		60	60	
1	60	59		59	58		57	56	
2	56	54		55	53		53	52	
3	52	49		51	49		50	48	
4	48	45		48	45		47	44	
5	45	42		44	41		43	41	
6	42	39		42	38		41	38	
7	39	36		39	35		38	35	
8	36	33		36	33		35	32	
9	33	30		33	30		32	29	
10	31	27		31	27		30	27	

OM8150ED17MHND-CS

Photometric Data

Clear Specular Reflector

Report Number: 17096-1P

Lamp: 150W MH ED-17 Coated

Total Lumens: 13000

Fixture Efficiency: = 58.5%

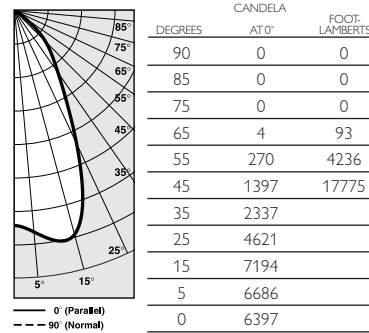
IES File: C5566.IES

S/MH Ratio = 0.9

Beam Angle: 57.09

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
10	120.4	8-1
12	75.1	10-4
14	51.2	12-6
16	37.2	14-8
18	28.2	16-10

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC	80			70			50		
RW	50	30		50	30		50	30	
0	69	69		68	68		65	65	
1	64	63		63	62		61	60	
2	60	57		59	57		57	55	
3	56	53		55	52		53	51	
4	52	49		51	48		50	47	
5	48	45		48	44		47	44	
6	45	41		45	41		44	41	
7	42	38		42	38		41	38	
8	36	32		35	32		35	32	
9	36	32		35	32		35	32	
10	33	30		33	29		32	29	

*Readings at working plane, 2'6" above floor: Beam Angle and Diameter Cutoff at 50% of max.
Candlepower Coefficients used at effective reflectances of: 70% Ceiling, 50% Walls, 20% Floor

To convert values for optional reflector colors, multiply by:
Gold .90 Bronze .82 Pewter .87

Additional photometric test files are available @ omegalighting.com