

OM420CMHMR16LWWCSET120

4" CMH MR16 Lensed Wall Wash Downlight

CAT. NO:	
TYPE:	PROJECT:



PRODUCT INFORMATION

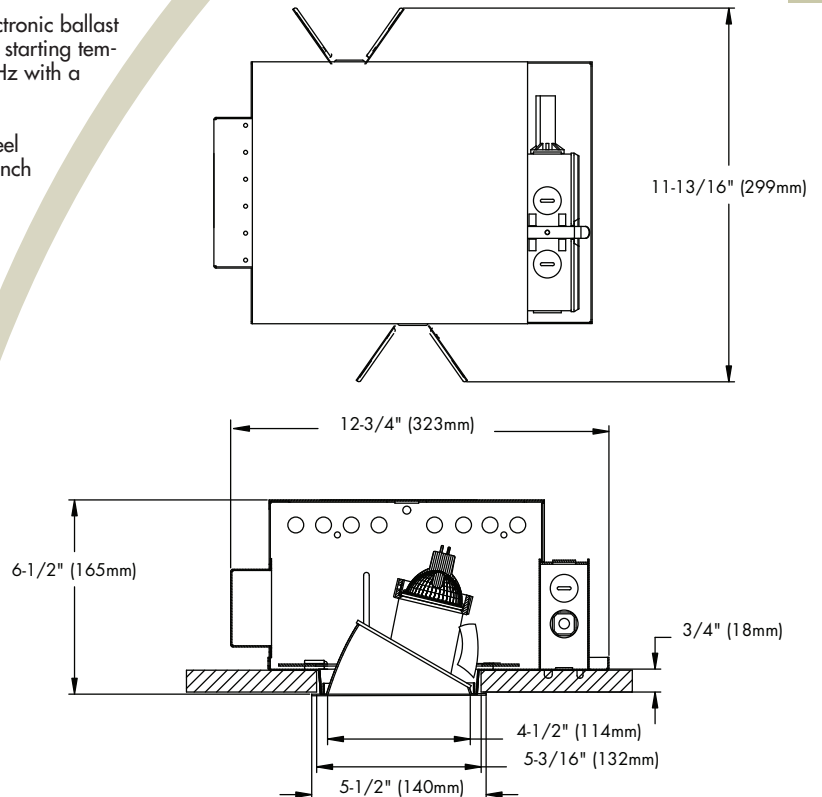
Applications

Small aperture, metal halide downlight suitable for evenly illuminating walls and other vertical surfaces.

Specifications

- Housing** - Heavy 20 gauge formed steel housing features a matte black finish to suppress stray light.
- Installation** - Mounting pan has pre-installed universal mounting brackets with vertical adjustment. Junction box and mounting brackets are accessible from below ceiling. Housing is accessible from above ceiling through removable top cover. For 24" C-channel hangers (pair), specify Q1032 accessory, ordered separately. For 27" flat bar hangers (pair), specify Q1031 accessory, ordered separately. For adjustable bar hangers (pair), specify Q1033 accessory, ordered separately.
- Ballast** - Totally enclosed, High Power factor, with <10% THD electronic ballast with integral ignitor, thermally protected. Ballast requires a minimum starting temperature of -30° C. Ballast is either 120 volt, 60 Hz or 277 volt 60 Hz with a sound rating of "A" for indoor applications.
- Socket** - Twist lock GX10.
- Junction Box** - Extra large 32-cubic inch 16 gauge galvanized steel designed to meet U.L./NEC requirements. Approved for through branch wiring with up to 6 #12 AWG connectors.
- Aim Locks** - Rotation adjustments are lockable via thumbscrews, providing tool-less locking. Mechanical locks also prevent misalignment during relamping.
- Trim** - Self-flanged spun aluminum trim and Low-IR finish. Includes a spread lens to evenly distribute light.
- Lamp Retention System** - Patented lamp retention spring holds the lamp and media captive and makes relamping simple.
- Relamping** - Fixture is suitable for top and bottom relamping. Additional relamp label provided for commissioning.
- Heat Sink** - Die-cast aluminum lamp and media cartridge dissipates heat to lower operating temperatures and lengthen lamp life.
- U.L. Listed** - For use in IC or Non-IC 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.



C-Channel not included.

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM420CMHMR16LWW-CS-ET120

OMEGA Revelation 4" Lamp	Max Wattage/ Lamp	Trim	Trim Finish	Flange Option	Supply Voltage	Bar Hanger Accessories
OM4	20CMHMR16	LWW Lensed Wall Wash	CS Clear Specular CSS Clear Semi-Specular HZ Haze GS Gold Specular WT Wheat PW Pewter BZ Bronze BK Black Alzak WH White WB White Baffle BB Black Baffle	Blank White FF Finish Flange (matches trim)	ET120 Electronic 120vac ET277 Electronic 277vac	Q1031 Flat Bar Hanger Q1032 Channel Bar Hanger Q1033 Adjustable Bar Hanger



FIVE YEAR
Warranty

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

Omega Lighting is a Philips group brand

PHILIPS

OM420CDMMR16LWWCSET120**Clear Specular Reflector**

Report Number: 27023

Lamp: (1) 20MHMR16

Total Lumens: 493

Fixture Efficiency: = 49.3%

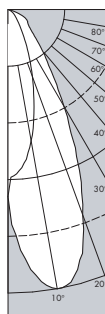
IES File: F7023.IES

S/MH Ratio = 0.8, 0.5

Beam Angle: 40.64

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOT-CANDLES	BEAM DIAMETER (FT.-IN.)
8	23.6	4 - 1
10	12.7	5 - 7
12	7.9	7 - 0
14	5.4	8 - 6
16	3.9	9 - 12

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT- LAMBERTS
	AT 0°	AT 90°	
90	0	1	
85	0	1	207
75	8	2	695
65	34	10	1874
55	52	25	2401
45	95	43	3500
35	183	82	
25	362	185	
15	626	384	
5	762	606	
0	714	714	

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20						
RC RW	80		70		50	
	50	30	50	30	50	30
0	58	58	58	58	56	56
1	56	54	53	52	54	53
2	52	50	47	46	51	48
3	50	46	42	40	48	45
4	46	42	40	38	46	41
5	44	40	36	34	42	39
6	41	36	34	32	40	36
7	40	34	32	29	39	34
8	38	33	29	28	36	33
9	35	30	28	26	35	30
10	34	29	27	25	34	28

*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

Additional photometric test files are available @ omega-lighting.com

OMEGA
LIGHTING

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