

# OM6150PAR38MH

## 6" Metal Halide Open Downlight

CAT. NO:

TYPE: PROJECT:



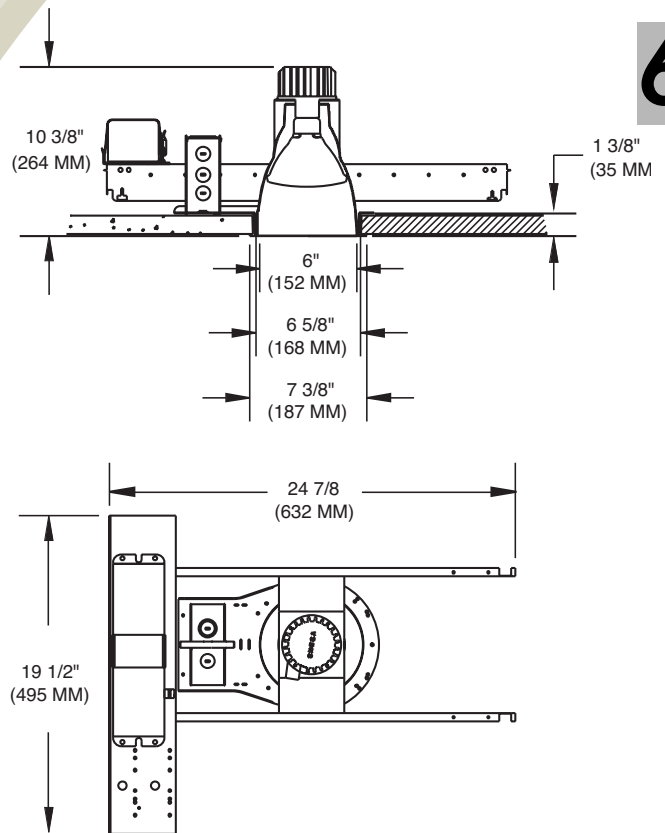
### PRODUCT INFORMATION

#### Applications

Low brightness, small aperture ceramic discharge metal halide downlight suitable for general or accent lighting in restaurants, lobbies, hotels, offices, retail and display applications.

#### Specifications

- Mounting pan** - Precision die-stamped 16 gauge galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 1-3/8" thick.
- Housing** - 20 gauge deep drawn steel housing removable for access to junction box, matte black finish. Three (3) trim retainer clips riveted to housing at 120° secure reflector to fixture.
- Ballast** - Totally enclosed and encapsulated, high power factor reactance ballast with internal ignitor, thermally protected. Ballast requires a minimum starting temperature of -20°F. Standard ballast is 120/277 dual tap, 60 hertz. For remote operation, voltages other than 120 or 277 or 50 HZ operation, consult factory.
- Installation** - Mounting pan has pre-installed universal mounting brackets with vertical adjustment. Ballast, junction box and mounting brackets are accessible from below ceiling. For 30" C-channel hanger pair, specify Q1030 accessory, ordered separately. For 27" flat bar hanger pair, specify FB accessory, ordered separately.
- Reflector** - Precision spun aluminum one piece reflector, self flanged with clear specular Alzak® finish. Standard flat flange is painted white. Optional polished flange matching reflector finish available, add FF to catalog number.
- Socket** - Medium base 4 K.V. pulse rated porcelain socket with nickel plated copper screw shell and 200°C wire.
- Junction box** - Extra large 28-cubic inch 14 gauge galvanized steel with snap-on covers. Approved for through wiring with up to 8 #12 AWG conductors.
- U.L. Listed** - For use in damp locations and approved for Through Branch Circuit Wiring. I.B.E.W. union made.



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

### CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **OM6150PAR38MH-CS-120/277**

OMEGA Apr.	Lamp (by others)	Lamp Type	Reflector Option	Reflector Finish*	Frame Options	Slope Ceiling Adapter Angle	Supply Voltage
OM6	150 PAR38 100 PAR38 70 PAR30 39 PAR30	MH Metal Halide	BB Black Baffle	CS Clear Specular CSS Clear Semi-Specular HZ Haze GS Champagne Gold Specular WT Wheat PW Pewter FF Finish Flange (As suffix to color)	SA6 Sloped Ceiling Adapter FZ120 Fusing FZ277 Fusing FZ347 Fusing FB Flat Bar Hangers	5 10 15 20 25 30	120/277 347 *



**FIVE YEAR**  
Warranty

\*Consult factory for other reflector finishes.

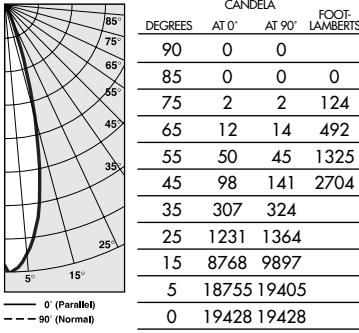
**OM6100PAR38MH-CS** Photometric Data

**Clear Specular Reflector**

Report Number: 21404  
 Lamp: 100W MH PAR38 Flood  
 Total Lumens: 6800  
 Fixture Efficiency: = 78.5%  
 IES File: F21404.IES  
 S/MH Ratio = 0.5, 0.5  
 Beam Angle: 29.36

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	642.2	2-11
10	345.4	3-11
12	215.3	4-12
14	146.9	6-0
16	106.6	7-1

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
	50	30	50	30	50	30
0	93	93	91	91	87	87
1	89	87	87	85	84	83
2	84	82	83	81	80	79
3	80	78	79	77	77	75
4	77	74	76	73	75	72
5	74	71	74	70	72	70
6	72	68	71	68	70	67
7	69	66	69	65	68	65
8	67	64	67	63	66	63
9	65	62	65	61	64	61
10	63	60	63	60	62	59

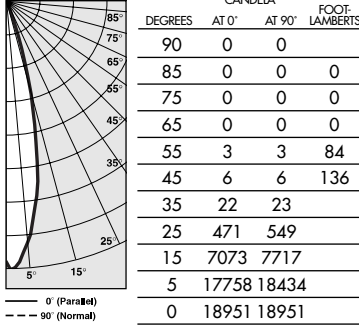
**OM6100PAR38MHBB-CS** Photometric Data

**Clear Specular Reflector with Black Baffle**

Report Number: 21403  
 Lamp: 100W MH PAR38 Flood  
 Total Lumens: 6800  
 Fixture Efficiency: = 58.2%  
 IES File: F21403.IES  
 S/MH Ratio = 0.4, 0.5  
 Beam Angle: 26.34

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	626.5	2-7
10	336.9	3-6
12	210.0	4-5
14	143.3	5-5
16	104.0	6-4

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
	50	30	50	30	50	30
0	69	69	68	68	65	65
1	66	65	65	64	62	62
2	63	62	62	61	61	59
3	61	59	60	58	59	57
4	59	57	58	56	57	56
5	57	55	57	55	56	54
6	55	53	55	53	54	52
7	54	52	54	52	53	51
8	52	50	52	50	52	50
9	51	49	51	49	51	49
10	50	48	50	48	49	48

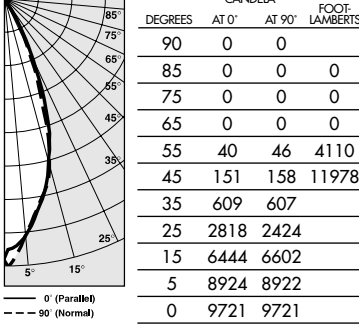
**OM670PAR30MH-CS** Photometric Data

**Clear Specular Reflector**

Report Number: 21663  
 Lamp: 70W MH PAR30 Flood  
 Total Lumens: 4850  
 Fixture Efficiency: = 97.2%  
 IES File: F21663.IES  
 S/MH Ratio = 0.6, 0.6  
 Beam Angle: 38.70

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	321.4	3-10
10	172.8	5-3
12	107.7	6-8
14	73.5	8-1
16	53.3	9-6

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
	50	30	50	30	50	30
0	115115	112112	108108			
1	109107	107105	103101			
2	10298	10197	9794			
3	9692	9492	9390			
4	9286	9185	8984			
5	8681	8581	8381			
6	8278	8177	8177			
7	7973	7873	7772			
8	7670	7569	7369			
9	7167	7167	7067			
10	6865	6864	6864			

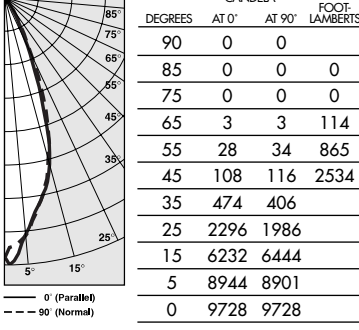
**OM670PAR30MHBB-CS** Photometric Data

**Clear Specular Reflector with Black Baffle**

Report Number: 21662  
 Lamp: 70W MH PAR30 Flood  
 Total Lumens: 4850  
 Fixture Efficiency: = 87.7%  
 IES File: F21662.IES  
 S/MH Ratio = 0.6, 0.6  
 Beam Angle: 37.25

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	321.6	3-8
10	172.9	5-1
12	107.8	6-5
14	73.6	7-9
16	53.4	9-1

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
	50	30	50	30	50	30
0	104104	102102	9696			
1	9795	9594	9392			
2	9390	9189	8985			
3	8883	8682	8481			
4	8380	8279	8178			
5	8075	7975	7773			
6	7671	7570	7370			
7	7268	7168	7068			
8	6966	6865	6865			
9	6763	6763	6661			
10	6459	6459	6359			

\*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](http://omegalighting.com)



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