

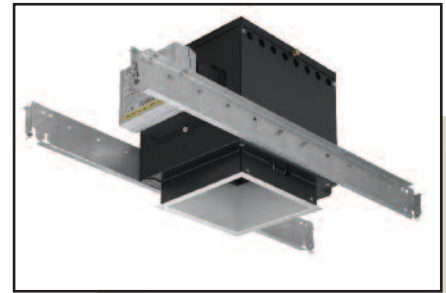
OM6150PAR38MHSQ

6" Square PAR Metal Halide Downlight

CAT. NO:

TYPE:

PROJECT:



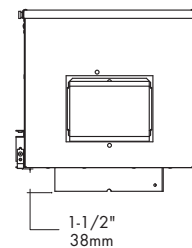
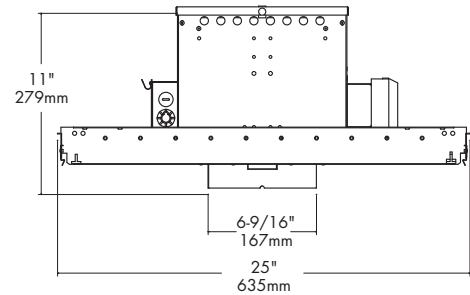
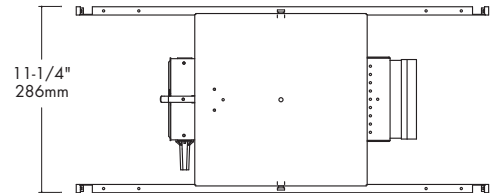
PRODUCT INFORMATION

Applications

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

Specifications

- Housing** - Precision formed heavy duty 20 gauge steel with polyester powder coat matte black to suppress light leaks. Housing top may be removed for servicing unit from above. Upper optic is attached to housing lid for easy access to lamp. Housing throat is 1-1/2" in depth to accommodate extra thick ceilings. Junction box and all electrical components may be accessed below or above ceiling. 360 degree rotation and 40° vertical adjustment. Toolless locking of each adjustment provides proper focus and aiming during relamping.
 - Ballast** - Totally enclosed, with <10% THD electronic ballast with internal ignitor, thermally protected. Ballast rated at a minimum starting temperature of - 30°F. Ballast is 120V, 60HZ and 277V 60HZ with a sound rating of "A" for indoor applications. Ballast has a "turn-off" function for increased reliability and safety.
 - Installation** - Housing has pre-installed Revelation C-channels for vertical and/or horizontal adjustment. Channels are pre-set at factory to center in grid ceiling without adjustments. Preset channels ensure proper alignment when row mounting multiple downlights. For wood construction specify Q1031 (ordered separately). Flat bar hanger should install perpendicular to pre-installed bar hangers.
 - Optics** - The trim is die-formed of .040 low iridescent aluminum and is self-flanged with a variety of finishes available. Black coating on back of trim provides superior protection against flash and/or light leaks around the flange. White flange is standard. Optional polished flange matching trim finish is available, add FF to catalog number.
 - Sockets** - Medium base 4 K.V. pulse rated porcelain socket with nickel plated copper screw shell and 200°C wire.
 - Junction box** - Large 20 gauge galvanized steel with snap-on cover and ground wire riveted to frame. 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.
- ☛ Canadian Specifications may vary from these shown, consult Canadian Division.



6

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **OM6150PAR38MHSQCS-120EB**

OMEGA Apr.	Lamp (by others)	Lamp Type	Square Type	Reflector Finish	Optional Lens	Frame Options	Supply Voltage
OM6	150PAR38 ¹ 100PAR38 39PAR30 70PAR30	MH Metal Halide	SQ Square	CS Clear Specular CSS Clear Semi-Specular GS Gold Specular WT Wheat PW Pewter BK Black BZ Bronze WH White CB Corrugated Baffle FF Finish Flange (as suffix to color)	CL Clear Glass PL Prismatic (C73 Glass) SL Solite Glass	FZ120 Fusing FZ277 Fusing FZ347 Fusing	EU 120/277 120EB Electronic 120V ¹ 277EB Electronic 277 V ¹



FIVE YEAR
Warranty

1. Must specify voltage for 150 watt.
70 PAR30 Fixture will also accept 70W PAR38.
39 PAR20 Fixture will also accept 39W PAR30.

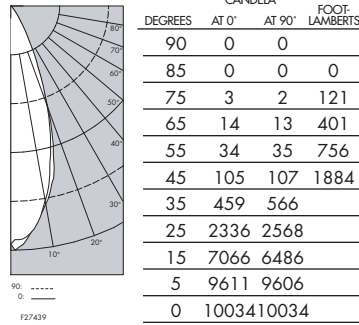
OM670PAR30MHSQ-CS

Clear Specular Reflector

Report number: 27439
 Lamp: (1)70WMH
 Fixture Efficiency: 92.8%
 S/MH Ratio (0 degree plane):0.6
 (90 degree plane):0.6
 Total Fixture Lumens: 4501
 IES file: F27439.IES
 Beam Angle: 37.86

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	331.7	3 - 9
10	178.4	5 - 2
12	111.2	6 - 6
14	75.9	7 - 11
16	55.1	9 - 3

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	50	30	50	30	50	30	50	30	50
0	110	110	110	110	110	108	108	108	108
1	106	104	102	100	104	104	102	104	102
2	102	97	94	92	100	95	95	100	95
3	97	93	89	84	95	91	95	91	91
4	93	88	82	80	92	86	92	86	86
5	90	82	79	75	89	82	89	82	82
6	85	80	75	70	84	79	84	79	79
7	82	76	70	68	81	75	81	75	75
8	80	72	68	65	79	71	79	71	71
9	77	69	65	61	76	68	76	68	68
10	73	67	61	58	73	66	73	66	66

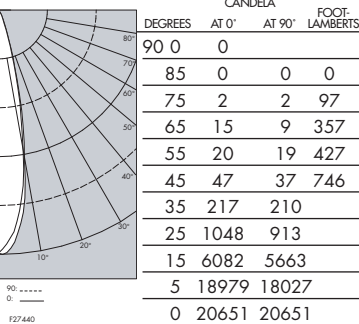
OM670PAR38MHSQ-CS

Clear Specular Reflector

Report number: 27440
 Lamp: (1)70WMH
 Fixture Efficiency: 85.0%
 S/MH Ratio (0 degree plane): 0.4
 (90 degree plane): 0.4
 Total Fixture Lumens: 4081
 IES file: F27440.IES
 Beam Angle: 22.89

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	682.7	2 - 3
10	367.1	3 - 0
12	228.8	3 - 10
14	156.2	4 - 8
16	113.3	5 - 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	50	30	50
0	101	101	101	101	101	98	98	98	98
1	97	95	93	93	95	93	95	93	93
2	94	91	89	86	93	90	93	90	90
3	92	88	83	81	90	85	90	85	85
4	89	83	81	78	86	82	86	82	82
5	85	81	78	75	84	80	84	80	80
6	83	78	75	71	82	78	82	78	78
7	81	76	71	69	80	75	80	75	75
8	79	72	69	68	78	72	78	72	72
9	77	70	68	66	76	70	76	70	70
10	75	68	66	64	73	68	73	68	68

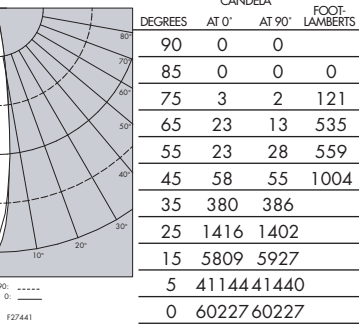
OM6100PAR38MHSQ-CS

Clear Specular Reflector

Report number: 27441
 Lamp: (1)100WMH
 Fixture Efficiency: 89.3%
 S/MH Ratio (0 degree plane): 0.2
 (90 degree plane): 0.2
 Total Fixture Lumens: 6071
 IES file: F27441.IES
 Beam Angle: 13.84

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	1991.0	1 - 4
10	1070.7	1 - 10
12	667.3	2 - 4
14	455.4	2 - 10
16	330.5	3 - 3

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	50	30	50	30	50	30	50	30	50
0	106	106	106	106	104	104	104	104	104
1	103	101	100	97	101	98	101	98	98
2	100	96	93	92	97	94	97	94	94
3	96	93	90	86	94	92	94	92	92
4	93	90	85	83	93	89	93	89	89
5	92	86	82	81	90	85	90	85	85
6	89	83	81	78	88	83	88	83	83
7	86	81	78	76	85	81	85	81	81
8	84	80	76	73	83	79	83	79	79
9	82	78	75	71	82	78	82	78	78
10	81	76	72	70	81	76	81	76	76

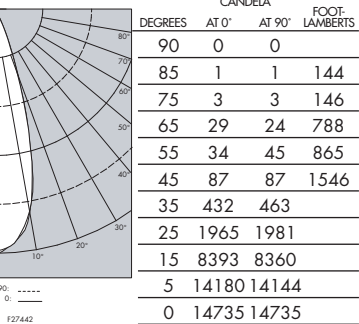
OM6100PAR38MHSQ-CS

Clear Specular Reflector

Report number: 27442
 Lamp: (1)100WMH
 Fixture Efficiency: 90.1%
 S/MH Ratio (0 degree plane): 0.5
 (90 degree plane): 0.5
 Total Fixture Lumens: 5223
 IES file: F27442.IES
 Beam Angle: 32.51

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	487.1	3 - 2
10	262.0	4 - 4
12	163.3	5 - 6
14	111.4	6 - 8
16	80.9	7 - 10

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	50	30	50	30	50	30	50	30	50
0	107	107	107	107	105	105	105	105	105
1	103	101	98	97	101	98	101	98	98
2	98	95	93	90	96	93	96	93	93
3	95	91	86	83	93	90	93	90	90
4	92	86	82	80	91	85	91	85	85
5	89	82	79	76	86	81	86	81	81
6	85	79	75	71	83	79	83	79	79
7	82	76	71	68	81	76	81	76	76
8	80	72	68	66	79	72	79	72	72
9	77	70	66	64	77	69	77	69	69
10	75	68	64	60	73	68	73	68	68

*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



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