

OM6150T6CMH

6" T6 Ceramic Metal Halide Downlight

CAT. NO:

TYPE:

PROJECT:

PRODUCT INFORMATION

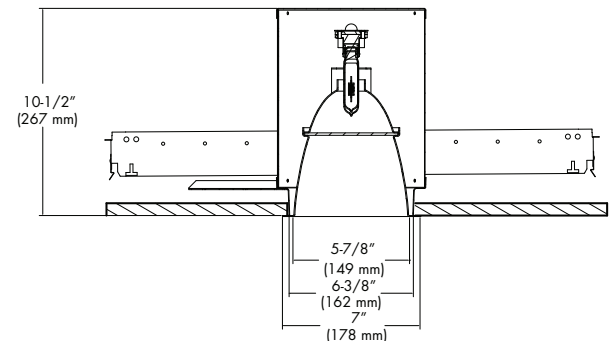
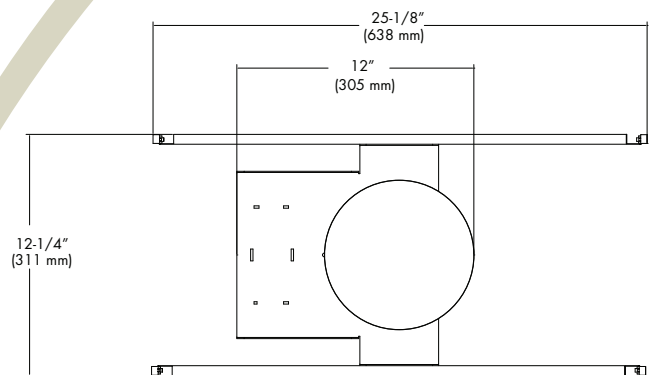
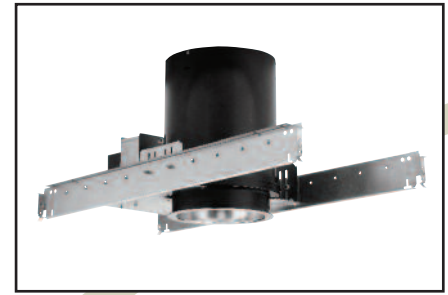
Applications

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

- Housing** - 20 gauge steel housing with matte black powder coat finish. Accommodates ceilings up to 1-3/8" thick.
- Ballast** - Electronic high power factor; with <15% THD. Includes internal ignitor; and thermal protection. Ballast requires a minimum starting temperature of 5°F.
- Installation** - Housing features, pre-installed c-channels with vertical and horizontal adjustments. Ballast, junction box and c-channels are accessible from below ceiling. For 27" flat bar hanger pair; specify Q1031 accessory, ordered separately.
- Optics** - 2-piece precision formed aluminum upper and lower reflector. Upper reflector is faceted and anodized for optimum performance. Lower reflector has proprietary Alzak finish for a soft appearance and excellent color. Standard flange finish is white paint. For optional polished flange matching interior reflector finish add "FF" suffix. A protective shatter guard is included for lamp containment.
- Socket** - Porcelain GI2 bi-pin base.
- Top Relamping** - Lamp and ballast are serviceable from above or below the ceiling.
- Lamp** - Lamps included.
- U.L. Listed** - For use in damp locations and approved for through branch circuit wiring. I.B.E.V. 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: OM6150T6CMHMD-CS-LP942-EU

OMEGA Apr.	Lamp (included)	Lamp Type	Distribution	Reflector Finish	Lamp (required)	Supply Voltage	Options
OM6	150 T6 70 T6 39 T6	CMH Ceramic Metal Halide	ND Narrow MD Medium WD Wide	CS Clear Specular CSS Clear Semi-Specular HZ Haze GS Gold Specular WT Wheat PW Pewter BZ Bronze BK Black WH White FF Finish Flange (As suffix to color)	- LP830 LP842 ¹ LP930 ² LP942	- EU Electronic 120/277	- FZ120 120V fusing FZ277 277V fusing



FIVE YEAR
Warranty

FOOTNOTES:
1. 39 watt only.
2. 39 watt - 70 watt only.
Philips Mastercolor Elite lamps standard for LP930.

OM670MHT6-CS-MD

Report number: 28145
 Lamp: (1)70WMH
 Fixture Efficiency: 52.7%
 S/MH Ratio: (0 degree plane): 0.8
 (90 degree plane): 0.8
 Total Fixture Lumens: 3850
 IES file: 28145.IES
 Beam Angle: 49.83

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	158.1	5 - 1
10	85.0	6 - 12
12	53.0	8 - 10
14	36.2	10 - 8
16	26.2	12 - 6

DISTRIBUTION CURVE

90: -----
 0: -----
 F28145

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	1	0	
85	1	1	184
75	2	2	124
65	7	6	246
55	91	64	2162
45	525	512	11732
35	1256	1227	
25	2407	2357	
15	3827	3846	
5	4692	4664	
0	4782	4782	

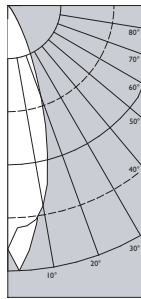
COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20						
RC	80		70		50	
	RW	50	30	50	30	50
0		63	63	63	63	60
1		59	57	56	56	58
2		56	54	52	50	56
3		54	50	47	46	53
4		51	46	44	41	50
5		47	44	40	38	46
6		46	40	38	35	45
7		44	39	34	33	42
8		40	35	33	30	40
9		39	34	30	28	39
10		38	32	28	27	36

OM670MHT6-CS-ND

Report number: 28146
 Lamp: (1)70WMH
 Fixture Efficiency: 62.6%
 S/MH Ratio (0 degree plane): 0.5
 (90 degree plane): 0.6
 Total Fixture Lumens: 4569
 IES file: 28146.IES
 Beam Angle: 33.94

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
14	87.5	7-0
16	63.5	8-3
18	48.2	9-6
20	37.8	10-9
22	30.4	12-0

DISTRIBUTION CURVE

90: -----
 0: -----
 F28146

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	1	1	
85	1	1	184
75	1	1	62
65	4	3	133
55	38	26	893
45	181	158	3835
35	568	597	
25	2160	2599	
15	6383	7283	
5	11690	10509	
0	11577	11577	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20						
RC	80		70		50	
	RW	50	30	50	30	50
0		75	75	75	75	72
1		71	69	68	68	69
2		68	66	64	61	67
3		66	63	59	57	65
4		63	59	56	54	61
5		60	56	54	51	59
6		58	54	51	48	57
7		56	52	48	46	56
8		55	50	46	44	54
9		53	47	45	42	52
10		51	46	42	40	50

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