

OM6500T4QTZTRSLOPE

6" Quartz Sloped Ceiling Downlight

CAT. NO:

TYPE:

PROJECT:

PRODUCT INFORMATION

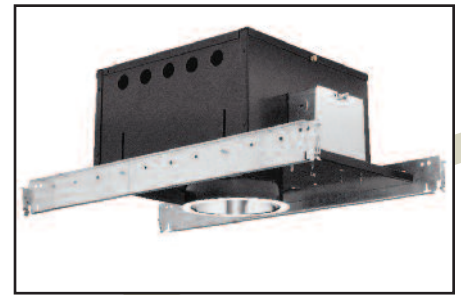
Applications

A quartz downlight that is ideal for ceilings sloped 0-30°. Ellipsoidal reflector provides superior beam control, maximizing the amount of light on the workplane with optimum quality. Ideal applications are churches, lobbies, atriums, and other medium to high level ceilings where dimming is needed.

Specifications

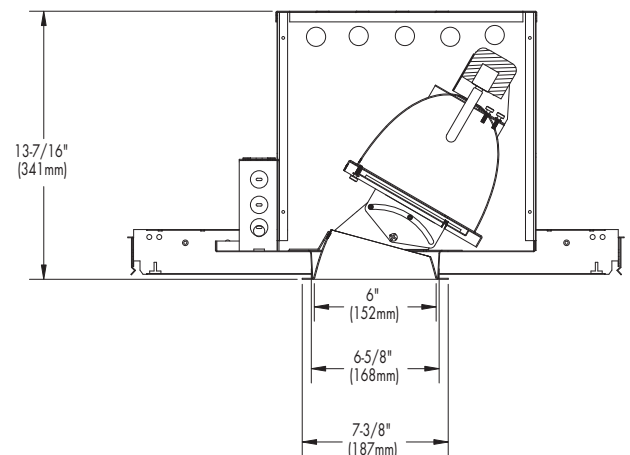
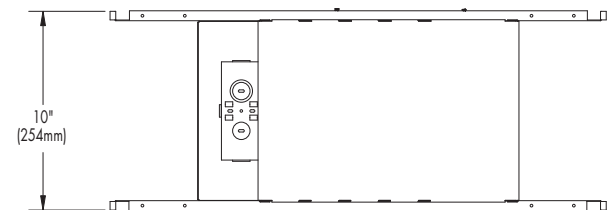
- Mounting pan** - Precision die-formed 20 gauge galvanized steel mounting pan. Mate black finish.
- Housing** - 20 gauge steel housing, matte black finish. Internal upper clear specular Alzak reflector engineered for precise optical control of beam.
- Insight Aiming™** - Pendulum provides accurate aiming of the optical assembly for precise beam control. When the crosshairs(+) are centered in the sight (o), the optical is perfectly vertical. Patent Pending. Two thumb screws provide redundant tilt locking.
- Installation** - Housing has pre-installed C-channel with vertical and horizontal adjustments. Junction box and mounting brackets are accessible from below ceiling.
- Trim** - Mechanically fastened (patent pending), precision spun .051 aluminum, self flanged with clear specular Alzak finish. Trim includes a lamp shatter guard of tempered safety glass. Standard is flat flange painted white. Optional polished flange matching finish available, add FF to catalog number.
- 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 number.
- Shatter guard** - Mechanically fastened (patent pending) shatter guard of 1/8" thick tempered Borosilicate glass provided. Black perforated ring softens the edge of the beam to create very even illumination.
- Socket enclosure** - Die cast aluminum heat sink, mini-can screw base porcelain socket with nickel-plated copper screw shell and 250°C Teflon® 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.
- Relamping** - Top and bottom relampable.
- 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 marked spacings. Approved for Through Branch Circuit Wiring. I.B.E.W. union made.

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



PATENT PENDING

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CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM6500T4QTZTRSLOPEND-CS

OMEGA Apr:	Lamp (by others)	Top Relamping	Product Family	Distribution	Reflector Option	Reflector Finish ⁴	Frame Options
OM6	500 T4QTZ ¹ 250 T4QTZ ² 150 T4QTZ ³	TR	SLOPE	-	BB	CS Clear Specular CSS Clear Semi-Specular HZ Haze BK Black GS Champagne Gold Specular WT Wheat PW Pewter FF Finish Flange (As suffix to color)	FB Flat Bar Hangers
			0-30° locking tilt	MD Medium Distribution ND Narrow Distribution	Black Baffle		



FIVE YEAR
Warranty

- Use Sylvania 500Q EYV 130volt lamp.
- Use Sylvania 250Q ESM 120 volt lamp.
- Use Philips 150Q ETH120 volt lamp.
- Consult factory for other reflector finishes.

OM6500T4QTZTRSLOPEMDCS Photometric Data**Clear Specular Reflector**

Report Number: 25335

Lamp: (1) 500W QTZ

Total Lumens: 10100

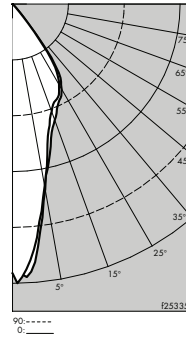
Fixture Efficiency: = 68.3%

IES File: F25335.IES

S/MH Ratio = 0.5, 0.5

Beam Angle: 32.07

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	401.1	3 - 2
10	215.7	4 - 4
12	134.4	5 - 6
14	91.8	6 - 7
16	66.6	7 - 9

DISTRIBUTION CURVE

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
0	12134	12134	
5	11103	11682	
15	6161	6648	
25	4729	4909	
35	3073	3320	
45	76	91	1889
55	7	22	404
65	3	13	303
75	2	6	247
85	1	4	459
90	0	2	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC RW	80			70			50		
	50	30		50	30		50	30	
0	81	81		81	81		79	79	
1	78	76		73	72		76	73	
2	73	70		68	66		72	69	
3	70	66		63	60		68	65	
4	67	61		58	56		66	61	
5	64	58		55	52		63	57	
6	60	55		51	47		59	55	
7	57	52		47	45		56	52	
8	55	48		45	42		55	48	
9	53	46		42	40		52	46	
10	51	44		40	38		50	44	

OM6500T4QTZTRSLOPENDCS Photometric Data**Clear Specular Reflector**

Report Number: 25327

Lamp: (1) 500W QTZ

Total Lumens: 10100

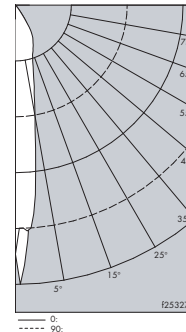
Fixture Efficiency: = 71.3%

IES File: F25327.IES

S/MH Ratio = 0.3, 0.3

Beam Angle: 17.23

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	943.2	1 - 8
10	507.2	2 - 3
12	316.1	2 - 11
14	215.7	3 - 6
16	156.6	4 - 1

DISTRIBUTION CURVE

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
0	28532	28532	
5	24024	20580	
15	7924	7202	
25	4759	4489	
35	1418	1549	
45	32	24	634
55	8	4	167
65	5	1	114
75	2	1	93
85	1	0	92
90	1	0	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC	80			70			50		
	50	30		50	30		50	30	
0	84	84		84	84		82	82	
1	81	80		78	77		80	78	
2	78	75		72	70		77	73	
3	75	70		68	66		73	69	
4	71	68		64	61		70	67	
5	68	64		60	57		68	64	
6	67	60		57	55		66	60	
7	64	58		55	52		63	57	
8	61	56		52	50		60	56	
9	58	54		50	47		58	53	
10	56	52		47	46		56	51	

NOTE: All photometrics tests were taken at a 15° angle.

Consult factory for additional photometrics @ www.omegalighting.com

*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

PHILIPS
OMEGA

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