

OM103H42PLT

10" Open Reflector Horizontal Downlights

CAT NO:

TYPE:

PROJECT:

PRODUCT INFORMATION

Applications

An open reflector downlight for use with long-life energy efficient compact fluorescent lamps. Provides uniform light distribution with excellent color rendition. Ideal for high ceilings and areas requiring long hours of continuous operation such as lobbies, corridors, reception areas and offices.

Specifications

1. **Ballast** - Two (2) Type 1 Class P, high power factor universal voltage electronic compact fluorescent ballasts. Offer both 1 or 2 lamp operation for 120 through 277 volt input voltage.

	(3)32W 120V	32W 277V	(3)42W 120V	42W 277V
Line current amps	.90	.40	1.18	.50
Input watts including ballast loss	105	103	139	138
Ballast factor	1.00	1.00	.98+	.98+
Minimum starting temperature	0°F	0°F	0°F	0°F

2. **Mounting pan** - Precision die-stamped 16 gauge galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 1-3/8" thick.

3. **Installation** - Mounting pan has pre-installed C-channel with vertical and horizontal adjustments. Ballast and junction box are accessible from below ceiling. For 27" flat bar hanger pair, specify Q1031 accessory, ordered separately.

4. **Reflector** - Precision spun .050 aluminum one piece reflector, self flanged with clear specular low iridescent Alzak® finish. Reflector is screw mounted for positive attachment to socket assembly. Standard flat flange is painted white. Optional polished flange matching reflector finish available, add FF to catalog number.

5. **Baffle** - Precision machined .051 aluminum with deep grooves to minimize aperture glare, anodized matte black or matte white finish. Standard flat flange is painted white. Optional black flange available, add FF to catalog number.

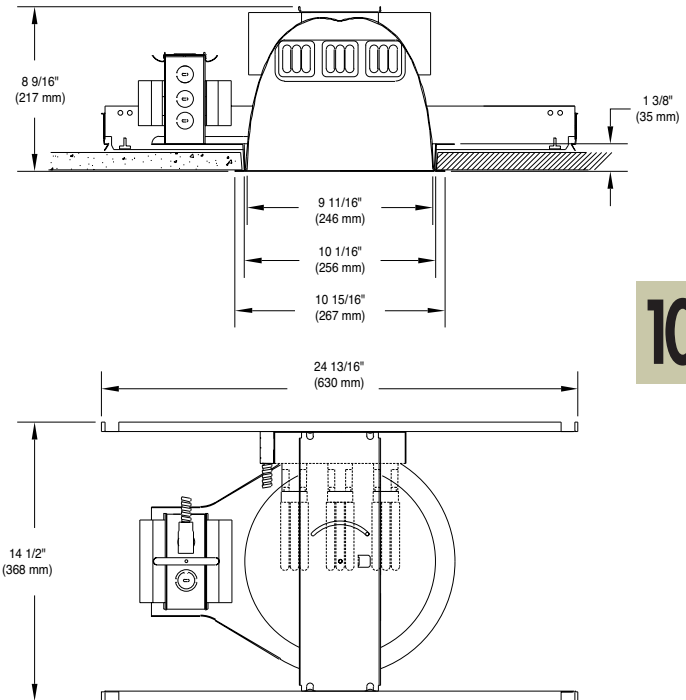
6. **Socket** - CFM42W/GX24q, CFM32W/GX24q, CFQ26W/G24q.

7. **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.

8. **Optional emergency system** - Emergency system includes battery, electronic circuitry, charger and test/monitor plate with test switch and charging indicator light. Test/monitor plate may be installed in the ceiling near fixture or other remote location. Operates appropriate wattage lamp for a minimum of 90 minutes following power failure. Emergency system complies with NFPA life safety code, OSHA and NEC. Suitable for dry locations.

9. **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.



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CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM103H42PLT-CS-120/277

OMEGA Apr.	No. of Lamps	Lamps Position	Lamp (by others)	Reflector Option	Reflector Finish	Options	Slope Ceiling Adapter Angle	Supply Voltage
OM10	3	H	Horizontal	42 PLT Triple Tube CFL 32 PLT Triple Tube CFL 26 QPL Triple Tube CFL	BB Black Baffle	CS Clear Specular CSS Clear Semi-Specular HZ Haze GS Gold Specular WT Wheat PW Pewter BK Black BZ Bronze WH White FF Finish Flange (as suffix to color)	EM Emergency FZ120 Fusing FZ277 Fusing FZ347 Fusing CP Chicago Plenum Q1031 Flat Bar Hangers DL1 Dimming, Lutron Compact SE, 120v DL2 Dimming, Lutron Compact SE, 277v DX1 Dimming, Advance Mark X, 120v DX2 Dimming, Advance Mark X, 277v CL Clear Lens PL Prismatic Lens FL Fresnel Lens	5 10 15 20 25 30 120/277 347 ♣



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

OM103H42PLT-CS

Photometric Data

Clear Specular Reflector

Report Number: 23582

Lamp: (3) CFM42W

Total Lumens: 9600

Fixture Efficiency: = 62.0%

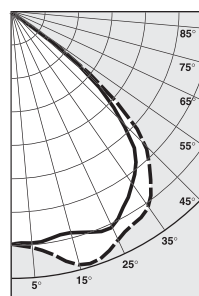
IES File: F23582.IES

S/MH Ratio = 1.4, 1.5

Beam Angle: 101.85

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	83.0	13 - 7
10	44.6	18 - 6
12	27.8	23 - 5
14	19.0	28 - 4
16	13.8	33 - 3

DISTRIBUTION CURVE



— 0° (Parallel)
 --- 90° (Normal)

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	2	1	
85	4	3	231
75	23	18	456
65	66	56	831
55	545	591	5704
45	1720	2145	15742
35	2285	2624	
25	2630	2852	
15	2519	2927	
5	2526	2566	
0	2510	2510	

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	RW	50	30	50	30		50	30	
0		73	73	71	71		68	68	
1		65	64	64	63		61	60	
2		57	55	56	54		55	53	
3		51	47	50	46		48	46	
4		45	41	45	41		44	40	
5		40	36	40	36		40	36	
6		40	35	35	33		35	33	
7		33	29	33	28		32	28	
8		29	27	33	28		28	26	
9		27	23	27	23		27	23	
10		25	22	25	22		23	22	

OM103H32PLT-CS

Photometric Data

Clear Specular Reflector

Report Number: 23583

Lamp: (3) CFM32W

Total Lumens: 7200

Fixture Efficiency: = 56.5%

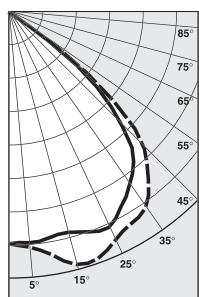
IES File: F23583.IES

S/MH Ratio = 1.4, 1.5

Beam Angle: 101.41

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	58.2	13 - 5
10	31.3	18 - 4
12	19.5	23 - 3
14	13.3	28 - 1
16	9.7	32 - 12

DISTRIBUTION CURVE



— 0° (Parallel)
 --- 90° (Normal)

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	2	1	
85	4	3	231
75	15	12	300
65	45	39	572
55	371	440	4072
45	1227	1462	10952
35	1603	1816	
25	1804	1915	
15	1732	1985	
5	1758	1791	
0	1760	1760	

COEFFICIENTS OF UTILIZATION
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	RW	50	30	50	30		50	30	
0		67	67	66	66		63	63	
1		59	57	57	56		56	55	
2		53	50	52	50		50	47	
3		46	44	46	42		45	42	
4		40	38	40	38		40	38	
5		36	34	36	34		35	33	
6		33	29	33	29		32	29	
7		29	27	29	27		28	27	
8		27	23	27	23		27	23	
9		25	22	25	22		23	22	
10		23	20	23	20		22	20	

*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 @ omegalighting.com

To convert values for optional reflector colors, multiply by:
 Gold .90 Bronze .82 Pewter .87