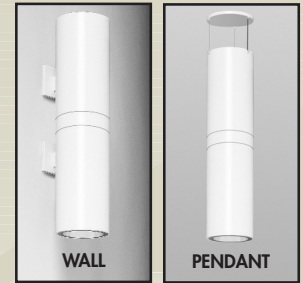


# OM642PLTUPDNPC

## 6" Open Up/Down Cylinder

CAT NO:

TYPE:  PROJECT:



### PRODUCT INFORMATION

#### Applications

Open up/down cylinder for use with long-life energy efficient compact fluorescent lamps. Provides uniform light distribution with excellent color rendition. Ideal for medium ceiling heights, and areas requiring long hours of continuous operation such as lobbies, corridors, reception areas and offices.

#### Specifications

1. **Ballast** - One (1) Type 1 Class P, high power factor universal voltage compact fluorescent ballast. Offers 2 lamp operation for 120 through 277 volt input voltage.

	(2) 18W 120V	18W 277V	(2) 26W 120V	26W 277V	(2) 32W 120V	32W 277V	(2) 42W 120V	42W 277V
Line current amps	.34	.15	.49	.21	.58	.26	.76	.32
Input watts including ballast loss	40	40	56	56	69	67	91	90
Ballast factor	.98+	.98+	.98+	.98+	1.00	1.00	.98	.98
Minimum starting temperature	0°F	0°F	0°F	0°F	0°F	0°F	0°F	0°F

2. **Housing** - Aluminum cylinder with cast aluminum top and bottom ring.

3. **Installation** - Grounded circle strap provided for mounting to junction box (by others). Ballasts and wiring compartment are accessible from below fixture.

4. **Reflectors** - Precision spun .050 aluminum one piece reflector, self flanged with clear specular low iridescent finish. The reflector is screw mounted for positive attachment to the socket assembly. Polished flat flange matches reflector finish.

5. **Socket** - CFM42W/GX24q, CFM32W/GX24q, CFM26W/GX24q, CFQ26W/G24q, CFQ18W/G24q

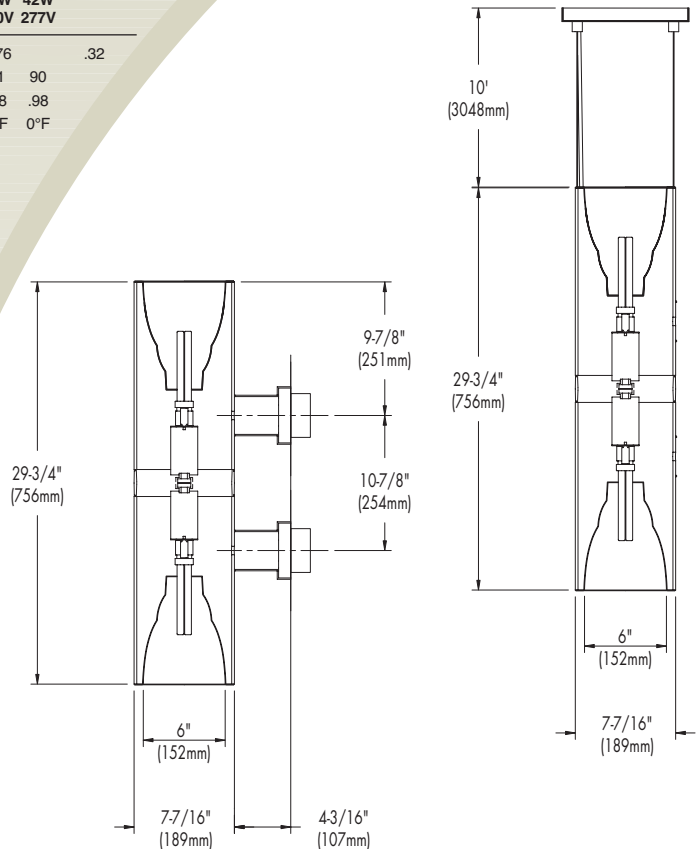
6. **Optional remote emergency system** - Emergency system includes remote battery, electronic circuitry, charger, and test/monitor plate with test switch and charging indicator light. For further information see spec sheet RV8-1.

7. **Wire Guard** - Wire mesh protects the upper reflector against objects that might interfere with performance or cause unsafe conditions.

8. **Pendant** - Pendant mount features three stainless steel aircraft cables that are easily field adjustable to any length.

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: **OM642PLTUPDNPC-CSFF-U**

OMEGA Lamp Aprtr (by others)	Product Family	Reflector Finish <sup>1</sup>	Options	Supply Voltage
<b>OM6</b>				
42 PLTUPDN - Triple Tube CFL	WC Wall Cylinder	CSFF Clear Specular	EM Emergency <sup>2</sup>	U 120/277
32 PLTUPDN - Triple Tube CFL	PC Pendant Cylinder	CSSFF Clear Semi-Specular	F1 Fusing 120V	3 347★
26 PLTUPDN - Triple Tube CFL		HZFF Haze	F2 Fusing 277V	
26 QPLUPDN - Quad Tube CFL		GSFF Gold Specular	F3 Fusing 347V	
18 QPLUPDN - Quad Tube CFL		WTFW Wheat	D1 Dimming 120V	
		PWFF Pewter	D2 Dimming 277V	



FIVE YEAR  
Warranty

1. Consult factory for other reflector finishes.
2. Emergency not available on pendant cylinders.

**Note:** Downlight data shown, upright has the same distribution.

**OM642PLT-CS**

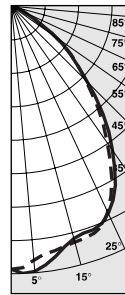
Photometric Data

**Clear Specular Reflector**

Report Number: F22417  
 Lamp: (1) CFM42W Triple  
 Total Lumens: 3200  
 Fixture Efficiency: = 53.9%  
 IES File: F22417.IES  
 S/MH Ratio = 1.2, 1.1  
 Beam Angle: 81.46

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	34.1	9-6
10	18.3	12-11
12	11.4	16-4
14	7.8	19-10
16	5.7	23-3

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	0	0	0
65	15	19	2205
55	194	191	18398
45	410	405	31592
35	687	650	
25	896	891	
15	944	959	
5	1045	1001	
0	1032	1032	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
	50	30	50	30	50	30
0	64	64	63	63	59	59
1	58	56	57	56	55	54
2	53	51	52	50	51	48
3	48	45	47	45	46	44
4	44	40	44	40	41	39
5	40	36	40	35	39	35
6	36	33	36	33	35	33
7	34	29	34	29	33	29
8	32	28	30	28	30	27
9	28	25	28	25	28	25
10	27	23	27	23	26	23

**OM626QPL-CS**

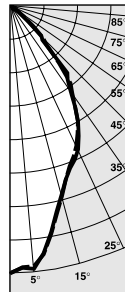
Photometric Data

**Clear Specular Reflector**

Report Number: 21474  
 Lamp: (1) CFQ26W  
 Total Lumens: 1800  
 Fixture Efficiency: = 53.5%  
 IES File: F21474.IES  
 S/MH Ratio = 0.8, .08  
 Beam Angle: 65.71

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	32.1	7-1
10	17.6	9-8
12	10.7	12-3
14	7.3	14-10
16	5.3	17-5

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	0	0	0
65	1	1	38
55	21	15	502
45	159	159	3598
35	416	467	
25	592	606	
15	702	703	
5	959	953	
0	970	970	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
	50	30	50	30	50	30
0	64	64	61	61	58	58
1	58	57	57	56	56	55
2	54	52	53	51	52	50
3	50	46	50	46	47	46
4	46	42	46	42	45	41
5	42	40	42	40	41	39
6	40	36	40	35	39	35
7	36	34	36	34	35	33
8	34	30	34	30	34	30
9	33	28	32	28	32	28
10	30	27	29	27	29	27

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\*Readings at working plane, 2'6" above floor. Beam Angle and Diameter Cutoff at 50% of max.  
 Candlpower Coefficients used at effective reflectances of: 70% Ceiling, 50% Walls, 20% Floor  
 Additional photometric test files are available @ [omegalighting.com](http://omegalighting.com)

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