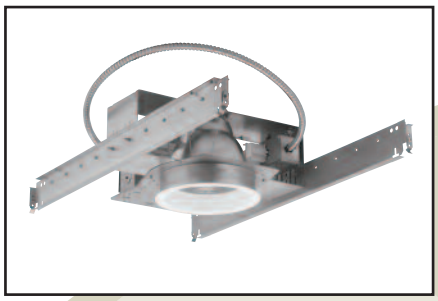
OM61H42PLTSPL

6" Splay Lens Reflector Horizontal Downlights



CAT. NO:

TYPE: **PROJECT:**

PRODUCT INFORMATION

Applications

A soft edged, lensed downlight for use with energy efficient compact fluorescent lamps. Provides broad, uniform light distribution while concealing lamp image and maintaining good visual cutoff. Ideal for areas such as lobbies, corridors, canopies, soffits, restaurants and offices.

Specifications

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

(2)13W	(2)13W 18W		(1)18W 26W		(1)26W 42W		(1)42W	
	120V	277V	120V	277V	120V	277V	120V	277V
Line current amps	.27	.12	.19	.08	.25	.11	.41	.18
Input watts including ballast loss	32	32	22	22	28	28	48	48
Ballast factor	.98	.98	1.00	1.00	.98+	.98+	.98+	.98+
Minimum starting temperature	0°F	0°F	0°F	0°F	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, junction box and mounting brackets are accessible from below ceiling. For 27" flat bar hanger pair, specify Q1031 accessory, ordered separately.

4. **Splay trim** - Spun aluminum regressed splay trim with white powder paint finish. Torsion spring mounting for ease of installation. Flat fresnel and prismatic lens for smooth, even distribution of light. Flat clear tempered lens for enclosed application.

5. **Socket** - CFM42W/GX24q, CFM32W/GX24q, CFM26W/GX24q, CFM18W/GX24q, or CFQ26W/G24q, CFQ18W/G24q, CFQ13W/G24q

6. **Junction box** - Extra large 43.75-cubic inch 16 gauge galvanized steel with snap-on covers and ground wire riveted to frame. Approved for through wiring with up to 8 #12 AWG conductors.

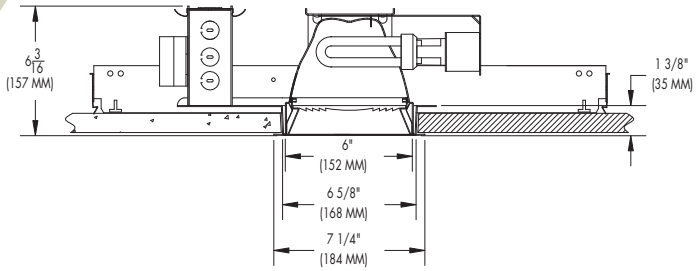
7. **Optional emergency system** - Emergency system includes battery, electronic circuitry, charger and test/monitor plate with test switch and charging indicator light. Test/monitor plate may be installed in the ceiling near fixture or other remote location. Operates appropriate lamp wattage for a minimum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

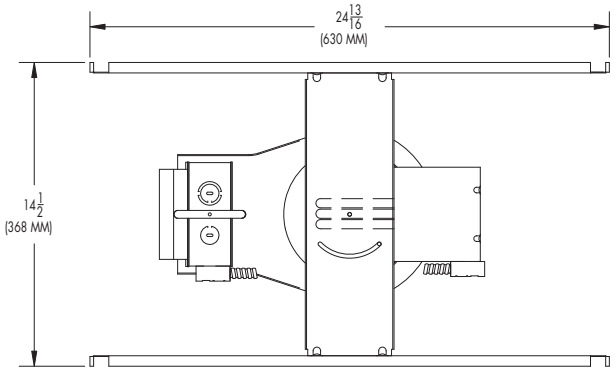
8. **U.L. Listed** - For use in wet locations in covered ceiling applications only. Approved for Through Branch Circuit Wiring. I.B.E.W. union made.

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

HeatSINC LAMP SOCKET

6





CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **OM61H42PLTSPL-FL-120/277**

OMEGA Aptr.	No. of Lamps	Lamp Position	Lamp (by others)	Reflector Option	Lens Type (required)	Options	Supply Voltage
OM6	1	H Horizontal	**42 PLT** Triple Tube CFL	**SPL** Splay Lens (white)	**CL** Clear Lens	**EM** Emergency	120/277
	2*		**32 PLT** Triple Tube CFL	**CSSPL** Clear Specular Splay	**PL** Prismatic Lens	**FZ120** Fusing	347 ♣
			26 PLT Triple Tube CFL	**BBSPL** Black Baffle Splay	**FL** Fresnel Lens	**FZ277** Fusing	
			18 PLT Triple Tube CFL	**BKSPL** Splay Lens (black)		**FZ347** Fusing	
			26 QPL Quad CFL			**CP** Chicago Plenum	
			18 QPL Quad CFL			**Q1031** Flat Bar Hangers	
			13 QPL Quad CFL			**SA6** Sloped Ceiling Adpt.	
						DL1 Dimming, Lutron Compact SE, 120v	
						DL2 Dimming, Lutron Compact SE, 277v	
						DX1 Dimming, Advance Mark X, 120v	
						DX2 Dimming, Advance Mark X, 277v	

made with pride in the United States of America

FIVE YEAR Warranty

*Two lamp configuration available with QPL lamps only.

OMEGA LIGHTING: 776 South Green St., Tupelo, MS 38804 Phone 662.842.7212 FAX 662.841.5501

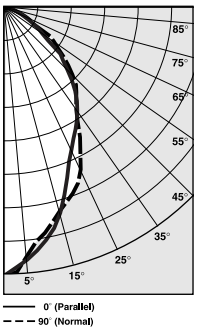
OM61H42PLTSPL-FL Photometric Data

Fresnel Lens with White Regressed Splay
Report Number: 20687
Lamp: (1) CFM42W
Total Lumens: 3200
Fixture Efficiency: = 38.8%
IES File: F20687.IES
S/MH Ratio = 0.8, 0.9
Beam Angle: 65.46

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	28.4	7-1
10	15.3	9-3
12	9.5	12-3
14	6.5	14-9
16	4.7	17-4

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	0	2	
85	5	5	918
75	21	25	1422
65	67	78	2745
55	145	191	4686
45	282	305	6641
35	403	397	
25	503	573	
15	682	676	
5	812	800	
0	858	858	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	46	46	45	45	42	42
1	41	40	40	40	39	38
2	36	34	36	34	34	34
3	34	30	33	30	32	29
4	30	28	29	27	28	27
5	28	25	27	25	27	23
6	25	22	25	22	23	22
7	23	20	23	20	22	20
8	22	19	20	17	20	17
9	20	17	20	17	19	17
10	19	16	17	16	17	16

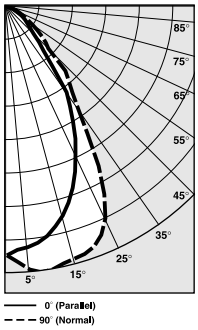
OM62H26QPLSPL-FL Photometric Data

Fresnel Lens with White Regressed Splay
Report Number: 20722
Lamp: (2) CFQ26W
Total Lumens: 3600
Fixture Efficiency: = 28.9%
IES File: F20722.IES
S/MH Ratio = 0.9,1.1
Beam Angle: 68.61

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	24.8	7-6
10	13.4	10-3
12	8.3	12-12
14	5.7	15-8
16	4.1	18-5

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	0	1	
85	3	3	551
75	16	15	958
65	37	44	1533
55	67	97	2287
45	114	177	3292
35	315	376	
25	491	705	
15	653	788	
5	729	797	
0	751	751	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	34	34	34	34	32	32
1	30	29	30	29	29	28
2	28	27	28	27	27	26
3	26	23	26	23	25	23
4	23	22	23	22	23	20
5	22	20	22	20	20	20
6	20	17	20	17	20	17
7	19	17	19	17	17	17
8	17	16	17	14	17	14
9	16	14	16	14	16	14
10	14	13	14	13	14	13

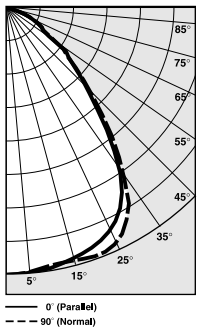
OM61H42PLTSPL-PL Photometric Data

Prismatic Lens with White Regressed Splay
Report Number: 20688
Lamp: (1) CFM42W
Total Lumens: 3200
Fixture Efficiency: = 40.0%
IES File: F20688.IES
S/MH Ratio = 1.3, 1.3
Beam Angle: 86.91

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	20.3	10-5
10	10.9	14-3
12	6.8	18-0
14	4.7	21-9
16	3.4	25-7

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	2	2	
85	6	7	1193
75	37	35	2225
65	85	87	3256
55	173	166	4728
45	276	287	6370
35	466	482	
25	569	601	
15	599	603	
5	613	612	
0	615	615	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	47	47	46	46	44	44
1	42	40	41	40	40	39
2	38	35	38	34	35	34
3	34	32	34	30	33	29
4	30	28	30	28	29	27
5	28	25	28	25	27	23
6	26	22	25	22	25	22
7	23	20	23	20	23	20
8	22	19	20	17	20	17
9	20	17	20	17	19	17
10	19	16	17	16	17	14

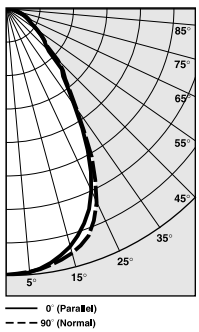
OM62H26QPLSPL-PL Photometric Data

Prismatic Lens with White Regressed Splay
Report Number: 20721
Lamp: (2) CFQ26W
Total Lumens: 3600
Fixture Efficiency: = 32.0%
IES File: F20721.IES
S/MH Ratio = 1.0, 1.0
Beam Angle: 67.53

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	26.2	7-4
10	14.1	10-0
12	8.8	12-8
14	6.0	15-5
16	4.4	18-1

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	1	2	
85	5	5	918
75	29	32	1885
65	67	73	2650
55	115	114	3194
45	181	219	4525
35	358	367	
25	601	639	
15	735	755	
5	789	787	
0	793	793	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	38	38	36	36	35	35
1	34	33	34	33	32	32
2	30	28	29	28	28	28
3	28	26	28	26	28	28
4	26	23	25	23	25	23
5	23	20	23	20	23	20
6	22	19	20	19	20	19
7	20	17	20	17	19	17
8	19	16	17	16	17	16
9	17	14	17	14	17	14
10	16	14	16	14	16	14

*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

omega LIGHTING

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