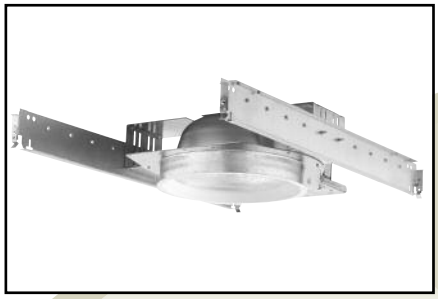
OM82H32PLTSRDSPL

8" Shallow Recessed Depth 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. Offers a 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	69	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. **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. **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, CFM26W/ GX24q, CFM18W/ GX24q, CFQ26W/G24q, CFQ18W/ G24q.

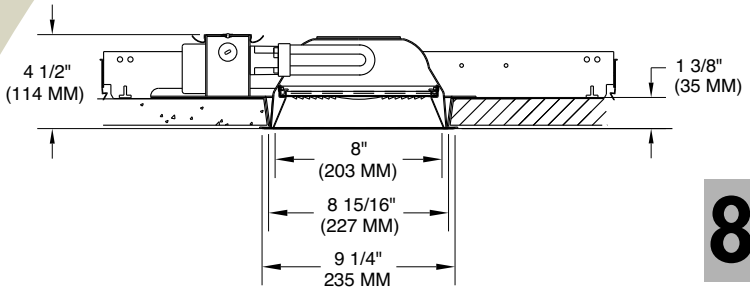
7. **Junction box** - Large 27.56-cubic inch 16 gauge galvanized steel with snap-on covers. Approved for through wiring with up to 8 #12 AWG conductors.

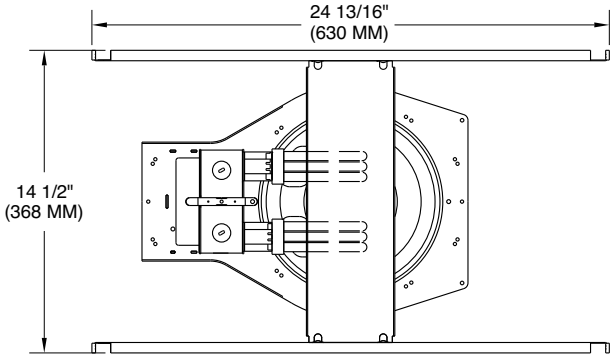
8. **Optional emergency system** - Emergency system includes battery, electronic circuitry, charger and test/monitor plate with test switch and charging indicator light. Test/monitor plate may be installed in the ceiling near fixture or other remote location. Operates one 18,26,32, or 42 watt lamp for 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 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.

Shallow Recessed Depth **SRD**





8

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **OM82H42PLTSRDSPL-FL-120/277**

OMEGA Aptr.	No. of Lamps	Lamps Position	Lamp (by others)	Fixture Type	Reflector Option	Lens Option (required)	Options	Sloped Ceiling Adapter Angle	Supply Voltage
OM8	____	H	_____	_____	_____	_____	_____	_____	_____
	1	Horizontal	**42 PLT** Triple Tube CFL	**SRD**	**SPL** Splay Lens (white)	**FL** Fresnel Lens	**EM** Emergency	**5**	**120/277**
	2		**32 PLT** Triple Tube CFL	Shallow	**CSSPL** Clear Specular Splay	**PL** Prismatic Lens	**FZ120** Fusing	**10**	**347** ♣
			26 PLT Triple Tube CFL	Recessed	**BBSPL** Black Baffle Splay	**CL** Clear Lens	**FZ277** Fusing	**15**	
			18 PLT Triple Tube CFL	Depth	**BKSPL** Splay Lens (black)	**Poly** Polycarbonate Lens	**FZ347** Fusing	**20**	
			26 QPL Quad CFL				**CP** Chicago Plenum	**25**	
			18 QPL Quad CFL				**Q1031** Flat Bar Hangers	**30**	
							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		

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FIVE YEAR Warranty

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

REV. 12/07

SPEC SHEET # **RV1-32**

REVELATION

OM82H32PLTSRDSPL-PL Photometric Data

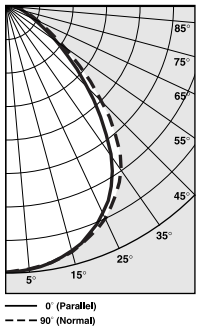
Prismatic Lens with White Regressed Splay

Report Number: 22485
Lamp: (2) CFM32W
Total Lumens: 4800
Fixture Efficiency: = 47.4 %
IES File: F22485.IES
S/MH Ratio = 1.2, 1.2
Beam Angle: 86.73

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	39.4	10-5
10	21.2	14-2
12	13.2	17-11
14	9.0	21-9
16	6.5	25-6

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	2	2	
85	7	9	2830
75	38	40	4647
65	106	128	8537
55	251	286	14435
45	498	588	23680
35	815	893	
25	1022	1050	
15	1135	1140	
5	1185	1183	
0	1193	1193	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	56	56	55	55	53	53
1	51	48	50	48	47	46
2	46	42	45	42	42	40
3	40	38	40	38	39	36
4	36	34	36	34	35	33
5	34	29	33	29	33	28
6	30	27	30	27	29	27
7	28	25	28	25	27	23
8	26	23	26	22	25	22
9	23	20	23	20	23	20
10	22	19	22	19	22	19

OM82H32PLTSRDSPL-FL Photometric Data

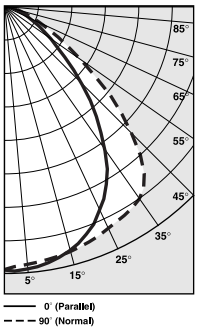
Fresnel Lens with White Regressed Splay

Report Number: 22484
Lamp: (2) CFM32W
Total Lumens: 4800
Fixture Efficiency: = 50.2%
IES File: F22484.IES
S/MH Ratio = 1.2, 1.4
Beam Angle: 92.97

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	37.4	11-7
10	20.1	15-10
12	12.5	20-0
14	8.5	24-3
16	6.2	28-5

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	2	1	
85	7	9	826
75	38	46	1460
65	118	170	3067
55	249	406	5139
45	476	778	7980
35	759	1012	
25	970	1054	
15	1087	1091	
5	1131	1112	
0	1130	1130	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	59	59	57	57	56	56
1	54	52	53	51	51	48
2	47	45	46	45	45	42
3	42	40	41	39	40	38
4	39	34	38	34	36	34
5	34	30	34	30	34	29
6	32	28	30	28	30	27
7	28	25	28	25	28	25
8	27	23	26	23	26	22
9	25	20	23	20	23	20
10	23	19	23	19	22	19

OM82H26QPLSRDSPL-PL Photometric Data

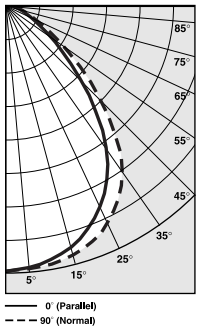
Prismatic Lens with White Regressed Splay

Report Number: 22482
Lamp: (2) CFQ26W
Total Lumens: 3600
Fixture Efficiency: = 35.2%
IES File: F22482
S/MH Ratio =1.1, 1.2
Beam Angle: 85.89

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	22.3	10-3
10	12.0	13-12
12	7.5	17-8
14	5.1	21-5
16	3.7	25-2

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	1	1	
85	4	5	465
75	20	22	730
65	58	71	1374
55	130	167	2330
45	264	334	3906
35	442	513	
25	564	609	
15	637	657	
5	669	672	
0	676	676	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	41	41	40	40	39	39
1	38	36	36	35	35	34
2	34	32	33	32	32	30
3	30	28	29	28	28	27
4	28	25	27	25	27	23
5	25	23	25	22	23	22
6	23	20	23	20	22	20
7	20	17	20	17	20	17
8	20	17	19	17	19	17
9	17	14	17	14	17	14
10	17	14	17	14	16	14

OM82H26QPLSRDSPL-FL Photometric Data

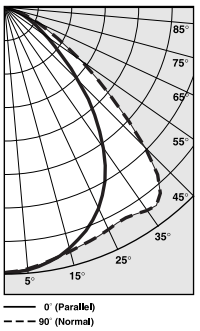
Fresnel Lens with White Regressed Splay

Report Number: 22483
Lamp: (2) CFQ26W
Total Lumens: 3600
Fixture Efficiency: = 39.0%
IES File: F22483.IES
S/MH Ratio = 1.1, 1.4
Beam Angle: 93.47

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	22.3	11-8
10	12.0	15-11
12	7.5	20-2
14	5.1	24-5
16	3.7	28-8

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	1	1	
85	4	5	465
75	21	28	852
65	65	99	1746
55	135	244	2973
45	266	508	4926
35	438	630	
25	564	623	
15	634	642	
5	670	667	
0	674	674	

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	29	33	29
4	29	27	29	27	28	26
5	27	23	27	23	26	23
6	25	22	23	20	23	20
7	23	20	22	19	22	19
8	20	17	20	17	20	17
9	19	16	19	16	17	16
10	17	14	17	14	17	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
Additional photometric test files are available @ omegalighting.com

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

OMEGA LIGHTING

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