



Compact  
Fluorescent Trim

**8" Pro Optic Lenses**  
**2 Horizontal Lamps**  
**Non-IC**

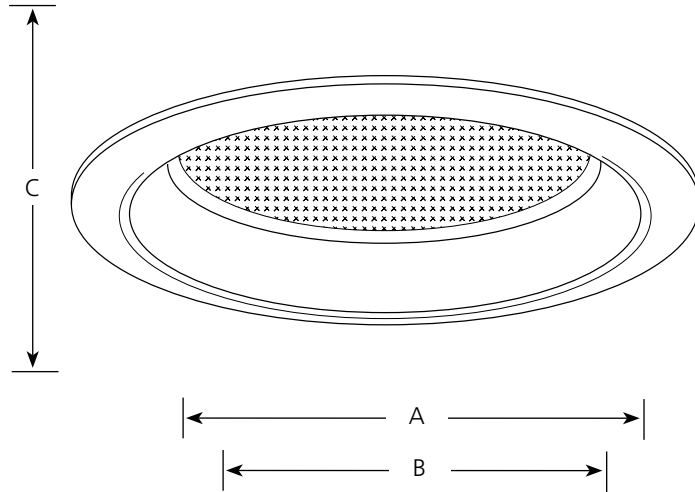
Recessed

Type \_\_\_\_\_  
-68      -83  
P8116       

**Finish**

Catalog No.	Finish		Dimensions (Inches)		
	Prismatic	Fresnel	A	B	C
P8116	-68	-83	9-3/4	8	9-7/8

Maximum Ceiling Thickness: 1-1/8"



**Lamp Wattage**

Housing	IC	Non-IC
P8232-EB	N/A	1-32 or 42w Triple tube

**Specifications:**

Flange

- White painted regressed metal trim retains the lenses
- Attaches to reflector with two scissor springs

Reflector

- All aluminum construction
- One piece construction with integral finish
- No light leaks around trim flange
- Socket box mounts to trim for optimum performance, and consistent lamp position
- Reflector retention accomplished by 3 spring clips located in aperture of housing
- White painted finish

Flange

- White Fresnel (-83) or White prismatic (-68) lenses
- Protects lamps from below ceiling

Labeling

- UL-CUL listed for wet location
- Non-IC rated

Progress Lighting  
701 Millennium Blvd.  
Greenville, South Carolina  
29607

# P6123-EB/P8016-68

## 6" RECESSED/DOWNLIGHT

Report No. 1210-PR

No. Lamps: 1 Type Lamp: 1-CF132DT/E/IN/835 SYLVA Total Lumens: 2400

Fixture Efficiency: 27.7%

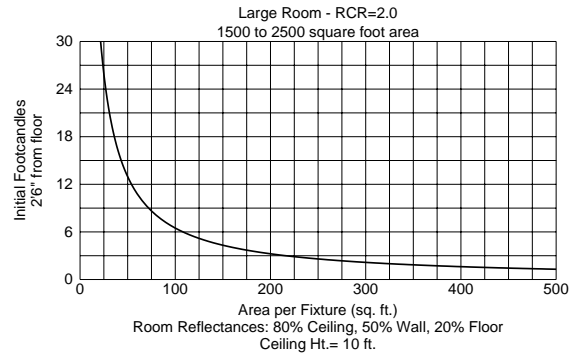
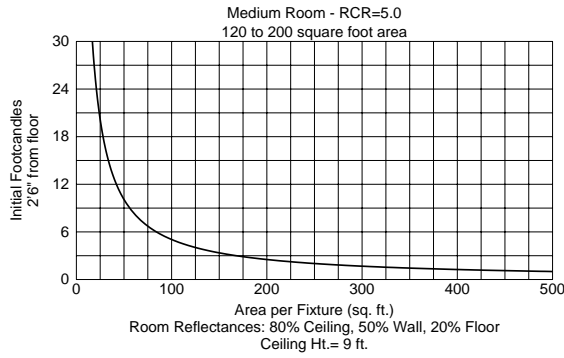
S/MH Ratio: 0.9 (0°) 1.1 (90°)

### Single Fixture Data

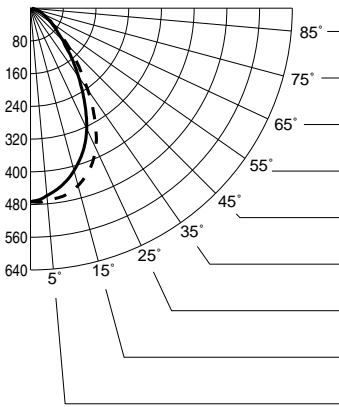
Ceiling Ht.(Ft.)	10% Values		Zero Degrees	50% Values	
	Beam Angle - 88°			Beam Angle - 53°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	1.6	11	15.6	7.8	6
10	0.8	15	8.4	4.2	8
12	0.5	18	5.2	2.6	10
14	0.4	22	3.6	1.8	12
16	0.3	26	2.6	1.3	14

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

### Quick Calculator Charts



### DISTRIBUTION CURVE



### INTENSITY DATA

DEGREES	CANDELA	
	AT 0°	AT 90°
90	0	0
85	2	2
80	4	4
75	14	14
70	23	24
65	33	36
60	45	50
55	62	64
50	82	88
45	113	129
40	154	181
35	205	244
30	264	314
25	325	377
20	374	421
15	411	449
10	440	466
5	460	471
0	473	473

### ZONAL COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																							
	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	33	33	33	33	32	32	32	32	31	31	31	30	30	30	28	28	28	28	28	28	28	28	28	28
1	31	30	29	28	30	29	29	28	28	28	27	27	27	26	26	26	26	26	26	26	26	26	26	25
2	29	27	26	25	28	27	25	24	26	25	24	25	24	23	24	23	23	24	23	23	22	23	22	22
3	27	25	23	22	26	24	23	21	24	22	21	23	22	21	22	21	20	22	21	20	20	21	20	20
4	25	23	21	19	25	22	21	19	22	20	19	21	20	19	21	19	18	21	19	18	18	19	18	18
5	24	21	19	17	23	21	19	17	20	18	17	19	18	17	19	18	17	19	18	17	16	18	17	16
6	22	19	17	16	22	19	17	16	18	17	15	18	17	15	18	16	15	18	16	15	15	17	15	15
7	21	18	16	14	20	18	16	14	17	15	14	17	15	14	16	15	14	16	15	14	14	15	14	14
8	20	16	14	13	19	16	14	13	16	14	13	16	14	13	15	14	13	15	14	13	12	14	13	12
9	19	15	13	12	18	15	13	12	15	13	12	15	13	12	14	13	12	14	13	12	11	13	12	11
10	18	14	12	11	17	14	12	11	14	12	11	14	12	11	14	12	11	14	12	11	11	12	11	11

# P8232-EB/P8116-68

## 8" RECESSED/DOWNLIGHT- Slot #1

Report No. 849-PRO

No. Lamps: 2 Type Lamp: 2-CF32DT/E/IN/827-SLYVAN Total Lumens: 4800

Fixture Efficiency: 38.1%

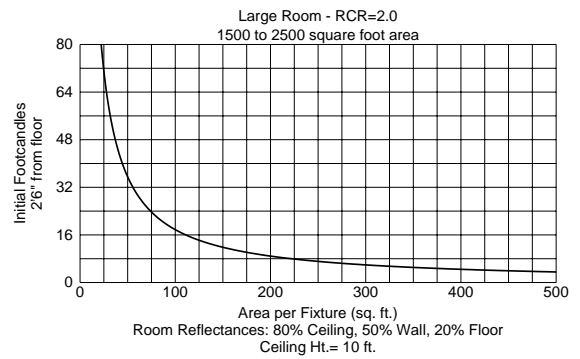
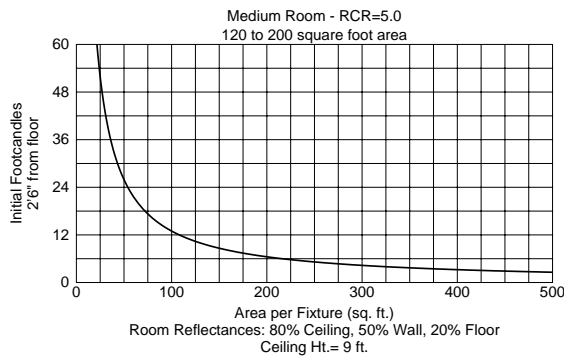
S/MH Ratio: 1.0 (0°) 0.9 (90°)

### Single Fixture Data

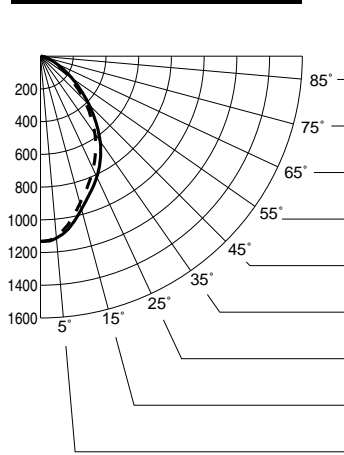
Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 94°			Beam Angle - 52°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	3.7	12	37.4	18.7	5
10	2.0	16	20.1	10.1	7
12	1.3	20	12.5	6.3	9
14	0.9	25	8.6	4.3	11
16	0.6	29	6.2	3.1	13

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

### Quick Calculator Charts



### DISTRIBUTION CURVE



### INTENSITY DATA

DEGREES	CANDELA	
	AT 0°	AT 90°
90	0	0
85	5	4
80	20	18
75	41	39
70	66	63
65	106	95
60	163	141
55	234	204
50	320	282
45	420	376
40	527	476
35	636	579
30	731	672
25	814	761
20	888	844
15	968	931
10	1056	1029
5	1115	1104
0	1132	1132

### ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20																							
	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	45	45	45	45	44	44	44	44	42	42	42	41	41	41	39	39	39	38	38	38	37	37	36	36
1	42	41	40	38	41	40	39	38	38	38	37	37	36	36	36	35	35	34	36	35	35	34	34	34
2	39	37	35	33	38	36	34	32	35	33	32	34	32	31	32	31	30	30	32	31	30	30	30	30
3	36	33	30	28	36	32	30	28	31	29	28	30	29	27	29	28	27	26	29	28	27	27	26	26
4	34	30	27	25	33	29	27	25	29	26	24	28	26	24	27	25	24	23	27	25	24	24	23	23
5	31	27	24	22	31	27	24	22	26	24	22	25	23	22	25	23	21	21	25	23	21	21	21	21
6	29	25	22	20	29	25	22	20	24	21	19	23	21	19	23	21	19	18	23	21	19	19	18	18
7	27	23	20	18	27	23	20	18	22	19	18	21	19	18	21	19	17	17	21	19	17	17	17	17
8	26	21	18	16	25	21	18	16	20	18	16	20	18	16	19	17	16	15	19	17	16	16	15	15
9	24	19	17	15	24	19	17	15	19	16	15	18	16	15	18	16	15	14	18	16	15	14	14	14
10	23	18	15	14	22	18	15	14	18	15	14	17	15	13	17	15	13	13	17	15	13	13	13	13

