



Metal Halide
Trim

6" Pro-Optic Lenses
Vertical Lamp
Non-IC

Recessed

Type _____
-68 -83
P8019

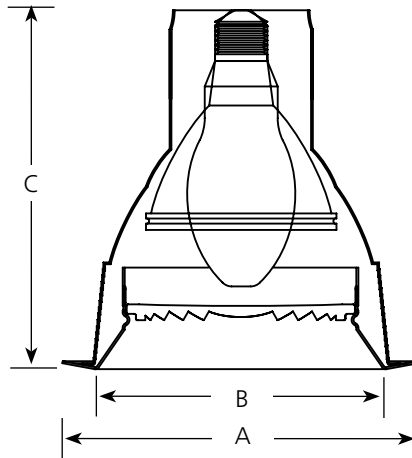
Finish

Catalog No.	Prismatic	Fresnel
P8019	-68	-83

Dimensions (Inches)

A	B	C
7	5-3/4	8-3/8

Maximum Ceiling Thickness: 1-1/8"



Lamp Wattage

Housing	IC	Non-IC
P8200-EB	N/A	1-70w ED17 or PAR30L MH
P8201-EB	N/A	1-100w ED17 MH

Specifications:

Flange

- White painted splay and integral flange
- Regressed fresnel or prismatic glass lens
- Attaches to reflector with two torsion springs to assure tight fit to ceiling

Reflector

- All aluminum construction
- Anodized Alzak upper conoid reflector
- No light leaks around trim flange
- Socket cup mounts to reflector for optimum performance and consistent lamp position
- Reflector retention accomplished by spring clips located in aperture of housing

Flange

- Glass Fresnel (-83) or 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

www.progresslighting.com

Rev. 12/08

P8200-EB/P8019-68

6" RECESSED/DOWNLIGHT

Report No. 364-PRO

No. Lamps: 1 Type Lamp: 1-70W/ED-17 MP70/C/U/MED Total Lumens: 3100

Fixture Efficiency: 31.4%

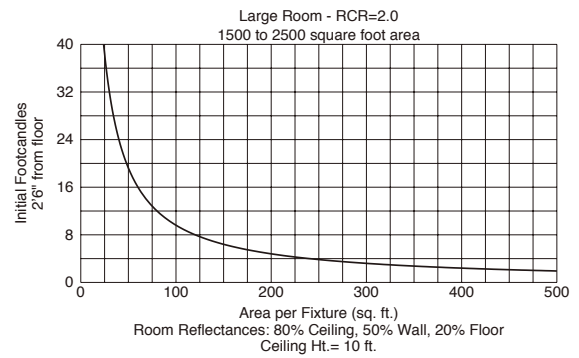
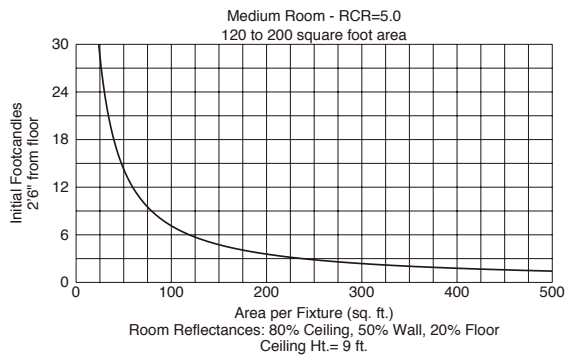
S/MH Ratio: 0.9

Single Fixture Data

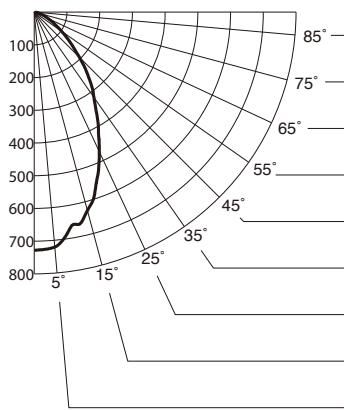
Ceiling Ht.(Ft.)	10% Values		Zero Degrees	50% Values	
	Beam Angle - 89°			Beam Angle - 49°	
	Ft.-C	Beam Dia.	Ft.-C	Ft.-C	Beam Dia.
8	2.4	11	24.1	12.0	5
10	1.3	15	12.9	6.5	7
12	0.8	19	8.1	4.0	9
14	0.6	23	5.5	2.8	10
16	0.4	27	4.0	2.0	12

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

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	3
80	7
75	19
70	32
65	47
60	70
55	102
50	143
45	195
40	258
35	318
30	390
25	471
20	555
15	628
10	662
5	721
0	728

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	0
0	37	37	37	37	36	36	36	36	35	35	35	33	33	33	32	32	32	31			
1	35	34	33	32	34	33	32	31	32	31	31	31	30	30	30	29	29	28			
2	33	31	29	28	32	30	29	27	29	28	27	28	27	26	27	26	26	25			
3	30	28	26	24	30	27	26	24	26	25	24	26	24	23	25	24	23	22			
4	28	25	23	21	28	25	23	21	24	22	21	24	22	21	23	22	21	20			
5	27	23	21	19	26	23	21	19	22	20	19	22	20	19	21	20	19	18			
6	25	21	19	17	24	21	19	17	21	19	17	20	18	17	20	18	17	16			
7	23	20	17	16	23	20	17	16	19	17	16	19	17	16	18	17	15	15			
8	22	18	16	14	21	18	16	14	18	16	14	17	16	14	17	15	14	14			
9	21	17	15	13	20	17	15	13	17	15	13	16	14	13	16	14	13	13			
10	20	16	14	12	19	16	14	12	16	14	12	15	13	12	15	13	12	12			

P8200-EB/P8019-83

6" RECESSED/DOWNLIGHT

Report No. 363-PRO

No. Lamps: 1 Type Lamp: 1-70W/ED-17 MP70/C/U/MED Total Lumens: 3100

Fixture Efficiency: 29.6%

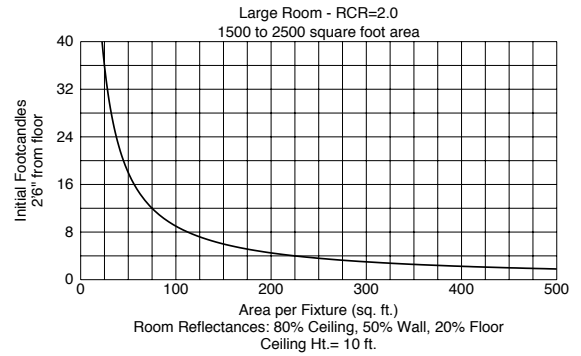
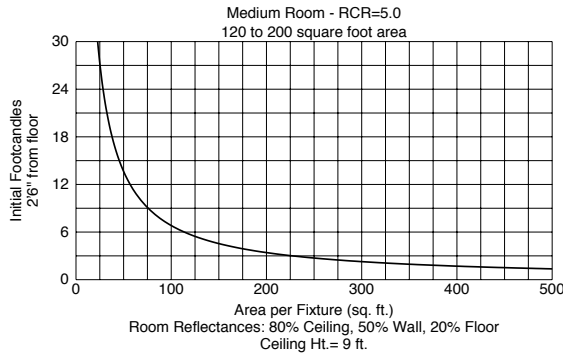
S/MH Ratio: 0.7

Single Fixture Data

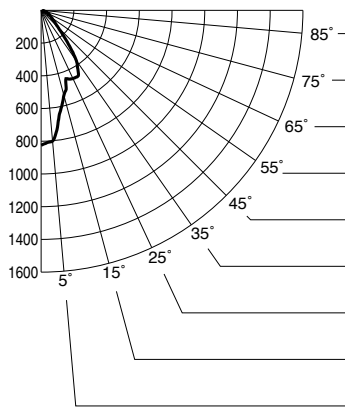
Ceiling Ht.(Ft.)	10% Values		Zero Degrees Ft.-C	50% Values	
	Beam Angle - 84°			Beam Angle - 37°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	2.7	10	27.2	13.6	4
10	1.5	13	14.6	7.3	5
12	0.9	17	9.1	4.6	6
14	0.6	21	6.2	3.1	8
16	0.5	24	4.5	2.3	9

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

Quick Calculator Charts



DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	3
80	8
75	19
70	32
65	47
60	59
55	78
50	103
45	145
40	238
35	376
30	456
25	460
20	445
15	538
10	645
5	802
0	824

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	0		
0	35	35	35	35	34	34	34	34	33	33	33	32	32	32	30	30	30	30	30	30	30		
1	33	32	31	30	32	31	31	30	30	30	29	29	29	28	28	28	27	27	27	27	27		
2	31	29	28	26	30	29	27	26	28	26	25	27	26	25	26	25	24	24	24	24	24		
3	29	26	25	23	28	26	24	23	25	24	22	24	23	22	24	23	22	24	23	22	21		
4	27	24	22	21	26	24	22	20	23	21	20	22	21	20	22	21	20	22	21	20	19		
5	25	22	20	18	25	22	20	18	21	20	18	21	19	18	20	19	18	20	19	18	17		
6	24	20	18	17	23	20	18	17	20	18	16	19	18	16	19	17	16	19	17	16	16		
7	22	19	17	15	22	19	17	15	18	16	15	18	16	15	18	16	15	18	16	15	14		
8	21	18	15	14	21	17	15	14	17	15	14	17	15	14	16	15	14	16	15	14	13		
9	20	16	14	13	19	16	14	13	16	14	13	16	14	13	15	14	13	15	14	13	12		
10	19	15	13	12	18	15	13	12	15	13	12	15	13	12	14	13	12	14	13	12	11		