



Compact Fluorescent  
Trim

**8" Open Pro-Optic™ Alzak**  
2 Horizontal Quad Tube Lamps  
Non-IC

**Recessed**

Type \_\_\_\_\_

-21A    -22A  
P8130       

Catalog No.	Finish		Dimensions (Inches)		
	Clear Alzak	Gold Alzak	A	B	C
P8130	-21A	-22A	9	7-3/4	6

Maximum Ceiling Thickness = 1-1/4"

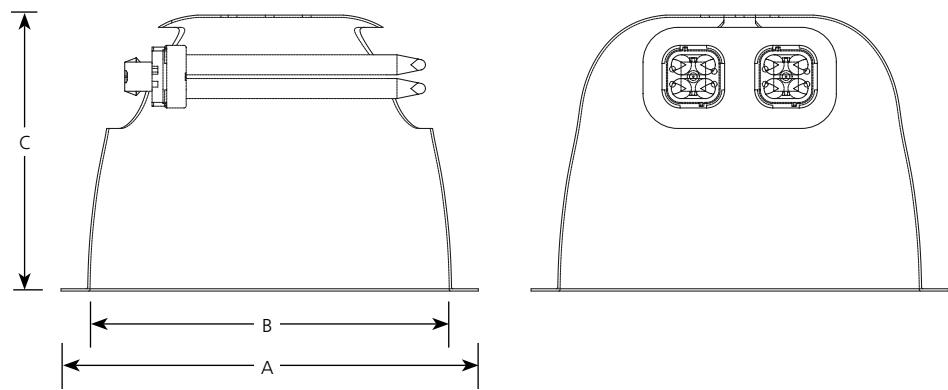
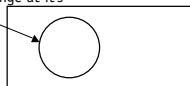
Ceiling Opening = 8-1/4" (See guide for

retrofit)

**P183H, P188H, P186H**  
**HOUSING COMPATIBILITY GUIDE**

ORDERING GUIDELINES	8 INCH OPENING RANGE	
	MIN	MAX
REQUIRES SD HOUSING OPTION	7-15/16	8-1/8
ALL STANDARD HOUSINGS	8-1/8	8-3/4
REQUIRES P8101-01 KIT ACCESSORY & WF REFLECTOR OPTION	8-3/4	9-1/8

Dimensions shown are for the diameter of the frame flange at it's narrowest point



**Lamp Wattage Housings**

New Construction	Retrofit	IC	Non-IC
P8213-EB	P183H-EB	N/A	2-13w Quad Tube
P8218-DVEB	P188H-DVEB	N/A	2-18w Quad Tube
P8226-DVEB	P186H-DVEB	N/A	2-26w Quad Tube
P8226-DM	P186H-DM	N/A	2-26w Quad Tube

**Specifications:**

Flange

- White painted metal flange

Reflector

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

- Single reflector accommodates both standard and internal emergency housings

Labeling

- cCSAus listed for damp location
- Non-IC rated

Options

- For wide flange retrofits (see guide), add 'WF' to end of SKU number. Available with P8130 series only.

Progress Lighting  
701 Millennium Blvd.  
Greenville, South Carolina  
29607

www.progresslighting.com

Rev. 8/10





# P8218-DVEB/P8130-21A

## 8" HORIZONTAL/DOWNLIGHT w/ 3002 Alloy Trim

Report No. 2136

No. Lamps: 2 Type Lamp: 2 - 18W QUAD SYLVANIA Total Lumens: 2300

Fixture Efficiency: 63.4%

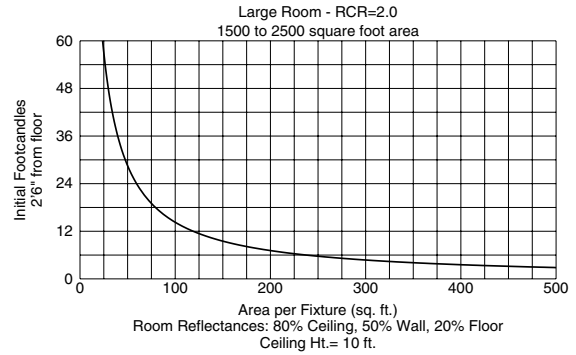
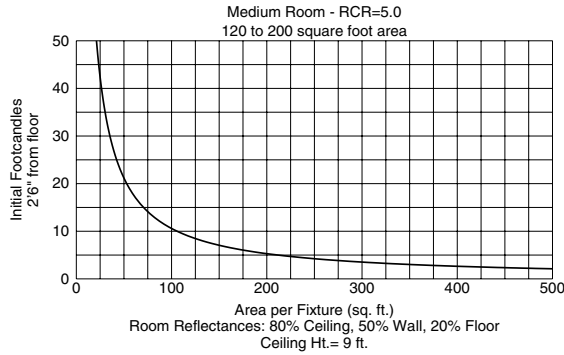
S/MH Ratio: 1.4 (0°) 1.5 (90°)

### Single Fixture Data

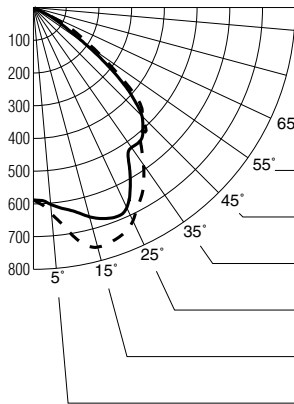
Ceiling Ht.(Ft.)	10% Values		Zero Degrees	50% Values	
	Beam Angle - 106°			Beam Angle - 71°	
	Ft.-C	Beam Dia.		Ft.-C	Beam Dia.
8	1.9	15	19.4	9.7	8
10	1.0	20	10.5	5.2	11
12	0.7	25	6.5	3.3	14
14	0.4	31	4.4	2.2	17
16	0.3	36	3.2	1.6	19

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	0	0
80	1	0
75	1	1
70	2	1
65	17	8
60	88	145
55	191	243
50	353	389
45	469	472
40	517	499
35	522	586
30	591	662
25	675	719
20	685	750
15	662	758
10	628	711
5	604	633
0	588	588

#### ZONAL CAVITY COEFFICIENTS OF UTILIZATION

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	76	76	76	76	74	74	74	74	70	70	70	67	67	67	65	65	65	63						
1	71	69	67	65	69	67	65	64	65	63	62	62	61	60	60	59	58	57						
2	66	62	59	56	64	61	58	55	59	56	54	57	55	53	55	53	52	50						
3	61	56	52	48	60	55	51	48	53	50	47	51	49	46	50	48	46	44						
4	57	50	46	42	55	50	45	42	48	44	41	47	43	41	45	43	40	39						
5	53	46	41	37	51	45	40	37	44	40	37	43	39	36	41	38	36	35						
6	49	41	37	33	48	41	36	33	40	36	33	39	35	32	38	35	32	31						
7	45	38	33	29	44	37	33	29	36	32	29	36	32	29	35	31	29	28						
8	42	35	30	27	42	34	30	26	34	29	26	33	29	26	32	29	26	25						
9	40	32	27	24	39	32	27	24	31	27	24	30	26	24	30	26	24	23						
10	37	30	25	22	37	29	25	22	29	25	22	28	24	22	28	24	22	21						

