Incandescent

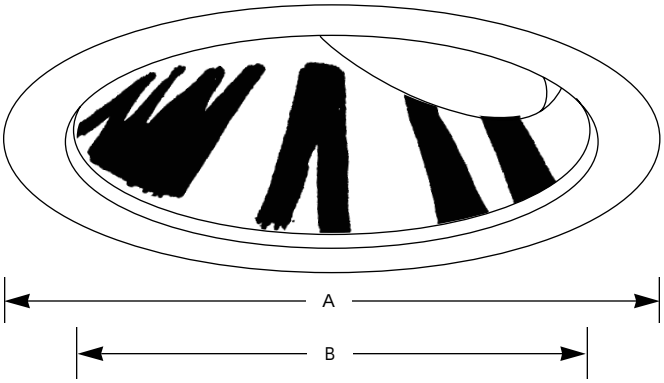
45-Degree Sloped Ceiling Housing - Alzak® Cone IC & Non-IC

Recessed

Type

	-21	-22
P8001	☐	☐

Catalog No.	Finish: Clear Alzak®	Finish: Gold Alzak®	Dimensions (Inches) A	Dimensions (Inches) B
P8001	-21	-22	9-3/4	7-3/4



Lamp Wattage

Housing	IC	Non-IC
P45-AT	120BR40/PAR38	120BR40/PAR38
P145-TG	N/A	250BR40/PAR38
P245-TG	75PAR38/BR50	75PAR38/BR40

Specifications:

Flange

- Bright white powder painted flange ring
- Covers irregular ceiling openings

Trim

- Single spring installation
- Specular Alzak - Clear or Gold
- Lamp adjustable from below for perpendicular orientation in 9 to 45 degree (2/12 to 12/12) ceilings

Options

- Specular clear Alzak finish - specify “21” after catalog number
- Specular gold Alzak finish - specify “22” after catalog number

Labels

- UL-CUL damp location listed

Progress Lighting
Post Office Box 5704
Spartanburg, South Carolina
29304-5704

www.progresslighting.com

Rev. 12/99

P45AT

P45AT WITH P8001-21

Report No. 99007

No. Lamps: 1 Type Lamp: 120BR40 Total Lumens: 1600

Fixture Efficiency: 92.0%

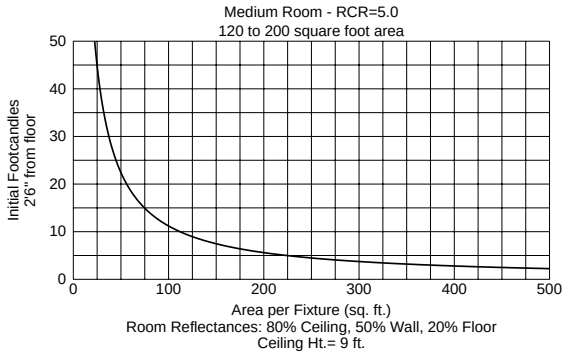
S/MH Ratio: 0.8

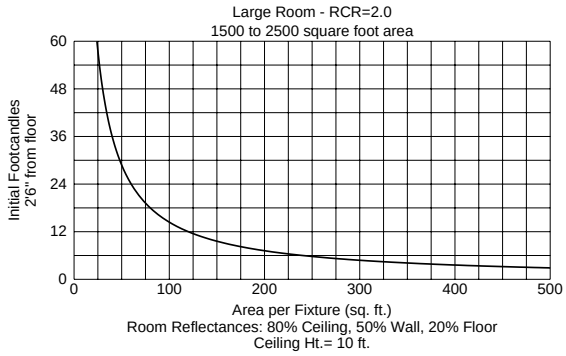
Single Fixture Data

Ceiling Ht.(Ft.)	10% Values Beam Angle - 85□ Ft.-C	10% Values Beam Angle - 85□ Beam Dia.	Zero Degrees Ft.-C	50% Values Beam Angle - 43□ Ft.-C	50% Values Beam Angle - 43□ Beam Dia.
8	4.4	10	44.2	22.1	4
10	2.4	14	23.8	11.9	6
12	1.5	17	14.8	7.4	7
14	1.0	21	10.1	5.1	9
16	0.7	25	7.3	3.7	11

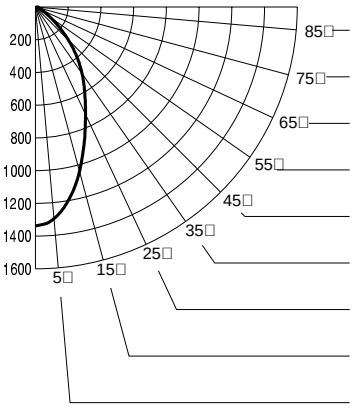
Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts





DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	19
85	19
80	21
75	25
70	33
65	46
60	69
55	113
50	185
45	283
40	391
35	496
30	602
25	724
20	874
15	1040
10	1190
5	1298
0	1338

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	110	110	110	110	107	107	107	107	102	102	102	98	98	98	94	94	94	92
1	103	99	96	94	100	97	95	92	94	91	89	90	88	87	87	85	84	82
2	96	90	86	82	94	89	84	81	86	82	79	83	80	77	80	78	76	74
3	90	83	77	72	88	81	76	72	79	74	70	76	73	69	74	71	68	67
4	84	76	69	65	82	75	69	64	72	67	63	70	66	63	69	65	62	60
5	79	70	63	58	77	69	63	58	67	62	57	65	61	57	64	60	56	55
6	74	64	58	53	73	64	57	53	62	57	52	61	56	52	59	55	52	50
7	70	60	53	49	68	59	53	48	58	52	48	57	52	48	55	51	48	46
8	66	56	49	45	65	55	49	45	54	48	44	53	48	44	52	47	44	42
9	62	52	46	41	61	51	45	41	51	45	41	50	45	41	49	44	41	39
10	59	49	43	38	58	48	42	38	47	42	38	47	42	38	46	41	38	37

P45AT

P45AT WITH P8001-21

Report No. 99011

No. Lamps: 1 Type Lamp: 90PAR38/FL - SYLVANIA Total Lumens: 1300

Fixture Efficiency: 100%

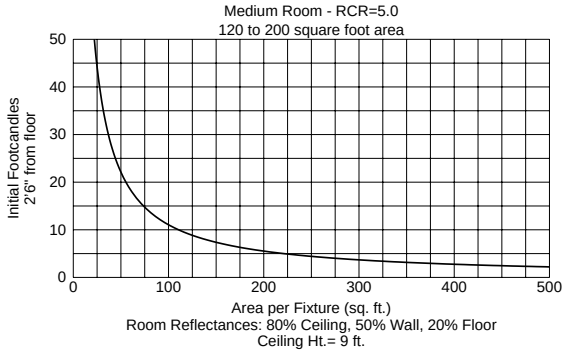
S/MH Ratio: 0.4

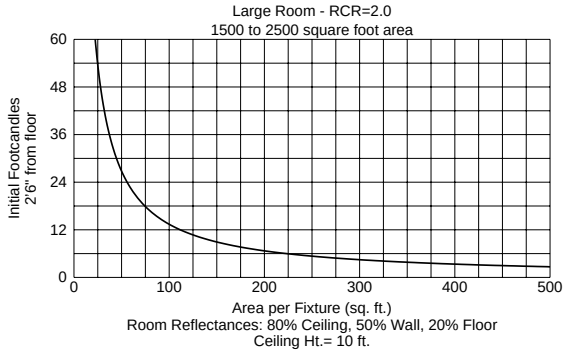
Single Fixture Data

Ceiling Ht.(Ft.)	10% Values Beam Angle - 44˚ Ft.-C	10% Values Beam Angle - 44˚ Beam Dia.	Zero Degrees Ft.-C	50% Values Beam Angle - 26˚ Ft.-C	50% Values Beam Angle - 26˚ Beam Dia.
8	12.5	4	124.8	62.4	3
10	6.7	6	67.1	33.6	3
12	4.2	8	41.8	20.9	4
14	2.9	9	28.6	14.3	5
16	2.1	11	20.7	10.4	6

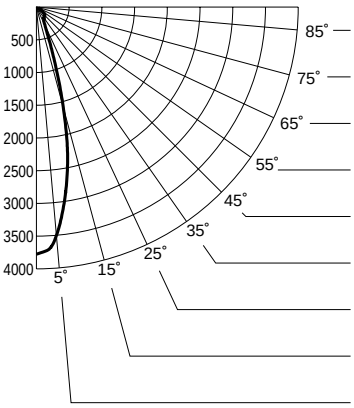
Ft.-C (Footcandles) are initial and measured 2'-6" from floor

Quick Calculator Charts





DISTRIBUTION CURVE



INTENSITY DATA

DEGREES	CANDELA
90	0
85	5
80	9
75	11
70	18
65	35
60	64
55	110
50	155
45	184
40	193
35	205
30	224
25	310
20	664
15	1588
10	2677
5	3507
0	3776

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	121	121	121	121	118	118	118	118	112	112	112	108	108	108	103	103	103	101
1	115	112	109	106	112	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	103	99	96	106	102	98	95	98	95	92	95	93	90	93	90	89	87
3	103	96	91	87	101	95	90	86	92	88	85	90	87	84	88	85	82	81
4	98	90	85	80	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	94	85	79	75	92	84	79	75	82	78	74	81	77	73	79	76	73	71
6	89	81	75	70	88	80	74	70	78	73	70	77	73	69	76	72	69	67
7	86	77	71	67	84	76	70	66	75	70	66	73	69	66	72	68	65	64
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	79	70	64	60	78	69	64	60	68	64	60	68	63	60	67	63	60	58
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56

P45AT

P45AT WITH P8001-22

Report No. 99008

No. Lamps: 1 Type Lamp: 120BR40 Total Lumens: 1600

Fixture Efficiency: 92.0%

S/MH Ratio: 0.8

Single Fixture Data

Ceiling Ht.(Ft.)	10% Values Beam Angle - 85□ Ft.-C	10% Values Beam Angle - 85□ Beam Dia.	Zero Degrees Ft.-C	50% Values Beam Angle - 43□ Ft.-C	50% Values Beam Angle - 43□ Beam Dia.
8	4.4	10	44.2	22.1	4
10	2.4	14	23.8	11.9	6
12	1.5	17	14.8	7.4	7
14	1.0	21	10.1	5.1	9
16	0.7	25	7.3	3.7	11

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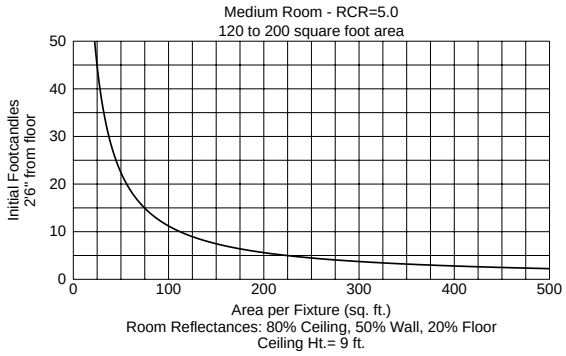

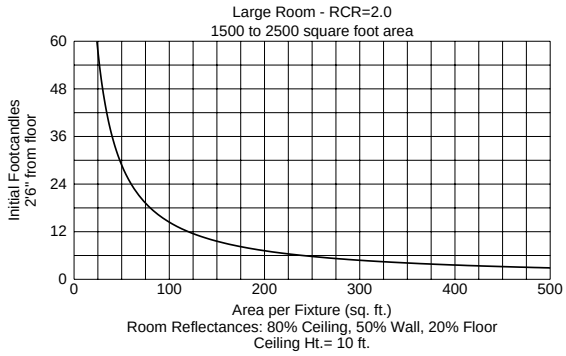

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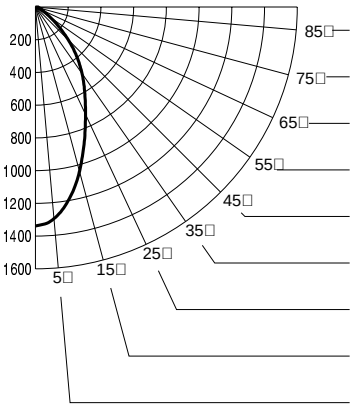

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ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	110	110	110	110	107	107	107	107	102	102	102	98	98	98	94	94	94	92
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9	62	52	46	41	61	51	45	41	51	45	41	50	45	41	49	44	41	39
10	59	49	43	38	58	48	42	38	47	42	38	47	42	38	46	41	38	37

P45AT

P45AT WITH P8001-22

Report No. 99012

No. Lamps: 1 Type Lamp: 90PAR38/FL - SYLVANIA Total Lumens: 1300

Fixture Efficiency: 100%

S/MH Ratio: 0.4

Single Fixture Data

Ceiling Ht.(Ft.)	10% Values Beam Angle - 44˚ Ft.-C	10% Values Beam Angle - 44˚ Beam Dia.	Zero Degrees Ft.-C	50% Values Beam Angle - 26˚ Ft.-C	50% Values Beam Angle - 26˚ Beam Dia.
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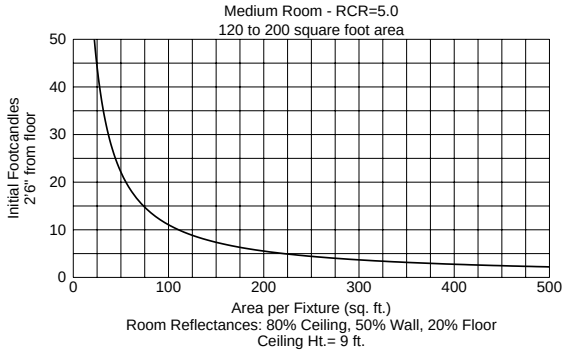

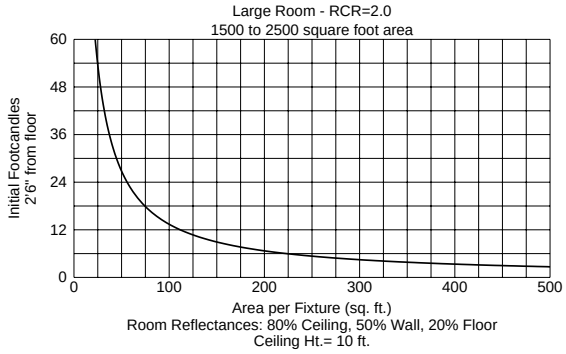

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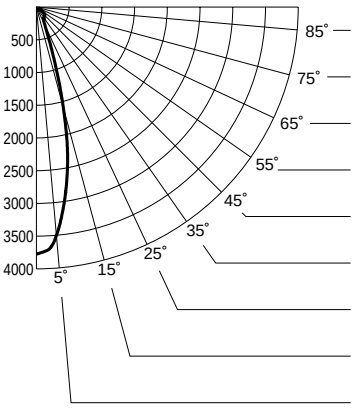

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Effective Floor Cavity Reflectance 0.20

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0	121	121	121	121	118	118	118	118	112	112	112	108	108	108	103	103	103	101
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2	109	103	99	96	106	102	98	95	98	95	92	95	93	90	93	90	89	87
3	103	96	91	87	101	95	90	86	92	88	85	90	87	84	88	85	82	81
4	98	90	85	80	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	94	85	79	75	92	84	79	75	82	78	74	81	77	73	79	76	73	71
6	89	81	75	70	88	80	74	70	78	73	70	77	73	69	76	72	69	67
7	86	77	71	67	84	76	70	66	75	70	66	73	69	66	72	68	65	64
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	79	70	64	60	78	69	64	60	68	64	60	68	63	60	67	63	60	58
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56