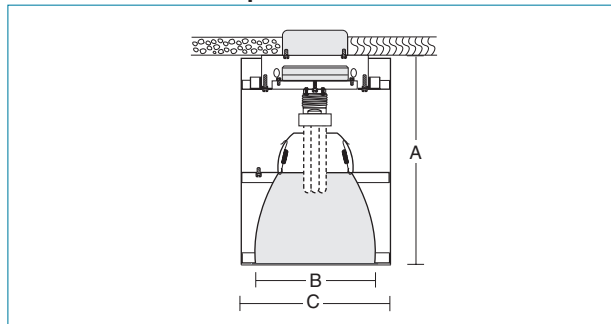


Dimensions and Lamps



	A Depth	B Aperture	C Diameter	Lamp
P913	14 1/2" 368mm	7 1/4" 184mm	9 1/4" 235mm	26-32W Triple Tube CFL
P914	14 1/2" 368mm	7 1/4" 184mm	9 1/4" 235mm	42W Triple Tube CFL

P913 One 26-32W Triple Tube Lamp
P914 One 42W Triple Tube Lamp

Surface Mount Cylinder
7 1/4" Conoid Apertures

Optics and Applications

The two element optical systems have computer designed primary reflectors and parabolic low brightness shielding cones. Distribution from a single vertically mounted triple tube lamp is for general and task lighting. Spacing to mounting height ratios range from .76 to .97 depending upon which lamp is mounted. Use in corridors, entries, over work stations, or for open area lighting.

Design Features

Twist and lock sockets prevent the lamps from falling if not properly engaged. They are a dependable fail-safe mechanism to prevent litigation.

Finish

Specular clear Alzak cones are standard. Optional colors and Softglow® finishes are available. Interiors are optical matte black, the exterior is matte white baked enamel.

Ballasts

Fully electronic, microprocessor controlled with variable starting current for inrush protection to assure rated lamp life. Input voltage ranges from 120V through 277V. Power factor .98, starting temperature 0° F (-18° C), THD < 10%. Pre-heat start < 1.0 second. End of lamp life protection. Rated for > 50,000 starts.

General

Fixtures are UL and C-UL listed for thermal and electrical safety. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

Accessories

- G Gold cone.
- H Mocha cone.
- P Graphite cone.
- T Titanium cone.
- W Wheat cone.
- Y Pewter cone.
- Z Bronze cone.
- M Wall or column mount. V347 347 volt ballast.
- S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.
- DM Dimming ballast, contact the factory.
- EM Emergency power. Includes battery pack, charger light, test switch and single lamp operation for 90 minutes. Components are remote from fixture. Specify volts.
- WRL Wattage restriction label, specify wattage.
- WT White trim flange.
- WHT White complete trim.
- BA Brushed aluminum.
- CC Custom color.
- P5 Pendant adaptor, 21" length.
- ES Extra stem length, specify length.

Matching Units

- Recessed cross baffled [Page P24](#)
- Recessed downlights [Pages P53, P54, P55](#)
- Recessed wall washers [Pages P64, P65, P66](#)

** Click for link to pages in blue.

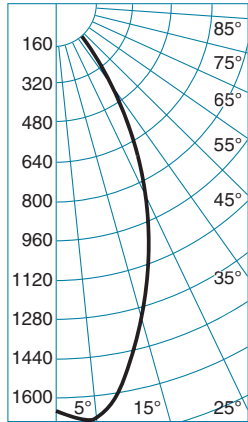
P41 P913 P914

Performance Datachart

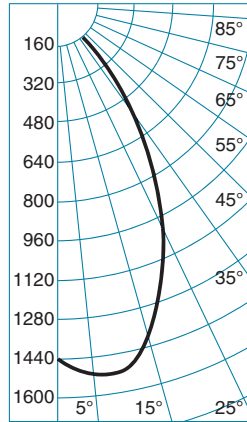
Single Unit Initial Footcandles, 30" Work Plane							Ceiling to Floor				Multiple Units Initial Footcandles, 30" Work Plane				
P913 One 32W Osram Triple Tube Read Top Data											Ceiling 80% Walls 50% Floor 20%				
P914 One 42W Osram Triple Tube Read Bottom Data											Spacing is Maximum Over Work Plane				
Nadir		10°		20°		30°						Spacing			
FC	FC	Diam	FC	Diam	FC	Diam					RCR 1	RCR 3	RCR 8		
55 73	49 65	2' 2'	30 39	4' 4'	15 19	6' 6'	8'				4' 4'	78 112	68 97	50 71	
29 39	26 35	3' 3'	16 21	5' 5'	8 10	9' 9'	10'				6' 6'	42 60	36 52	27 38	
18 25	16 22	3' 3'	10 13	7' 7'	5 6	11' 11'	12'				7' 7'	26 37	23 33	17 24	
13 17	11 15	4' 4'	7 9	8' 8'	3 4	13' 13'	14'				9' 9'	18 26	16 22	11 16	
9 12	8 11	5' 5'	5 6	10' 10'	2 3	16' 16'	16'				11' 10'	13 19	11 16	8 12	

See notes 4 and 5.

Candlepower Distribution



P913 32W Triple Tube Osram
Eff. 55% S/M .78



P913 32W Triple Tube Philips
Eff. 56% S/M .97

Candelas

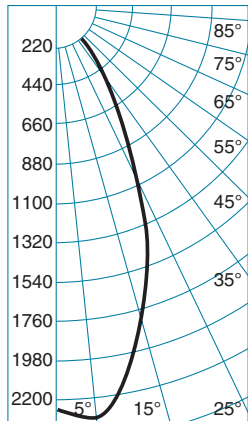
o	O 32W	P 32W
	2400*	2400*
0	1657	1421
5	1680	1535
10	1546	1540
15	1330	1420
20	1088	1219
25	905	1016
30	693	771
35	479	504
40	310	212
45	53	33
50	9	8
55	0	0
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens

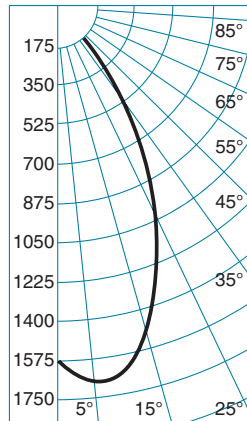
Coefficients of Utilization

Ceiling	80%				70%				50%				30%				0			
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	
Wall %	Zonal Cavity Method - Floor Reflectance 20%																			
RCR																				
1	.64	.63	.61	.60	.61	.59	.59	.57	.57	.55	.53	.53	.51	.49	.49	.48	.46	.46	.45	.43
2	.61	.58	.56	.54	.57	.54	.56	.53	.54	.51	.49	.48	.45	.43	.43	.41	.39	.39	.38	.35
3	.58	.55	.52	.50	.54	.49	.52	.49	.51	.48	.46	.45	.43	.41	.41	.39	.38	.37	.36	.33
4	.55	.51	.48	.46	.51	.46	.49	.45	.48	.45	.43	.42	.40	.39	.38	.37	.36	.35	.34	.31
5	.53	.48	.45	.43	.48	.42	.47	.42	.46	.42	.40	.39	.38	.37	.36	.35	.34	.33	.32	.30
6	.50	.45	.42	.40	.45	.39	.44	.39	.43	.39	.38	.37	.36	.35	.34	.33	.32	.31	.30	.28
7	.48	.43	.39	.37	.42	.37	.41	.37	.41	.36	.35	.34	.33	.32	.31	.30	.29	.28	.27	.25
8	.45	.40	.37	.35	.40	.35	.39	.34	.39	.34	.33	.32	.31	.30	.29	.28	.27	.26	.25	.23
9	.43	.38	.35	.32	.38	.32	.37	.32	.37	.32	.31	.30	.29	.28	.27	.26	.25	.24	.23	.21
10	.41	.36	.33	.31	.36	.31	.35	.30	.35	.30	.29	.28	.27	.26	.25	.24	.23	.22	.21	.19

P913 One 32W Triple Tube Philips
P913 One 32W Triple Tube Osram Sylvania x .95



P914 42W Triple Tube Osram
Eff. 56% S/M .76



P914 42W Triple Tube Philips
Eff. 46% S/M .92

o	O 42W	P 42W
	3200*	3200*
0	2221	1574
5	2284	1721
10	2071	1695
15	1771	1552
20	1414	1294
25	1134	1047
30	891	785
35	636	544
40	487	276
45	152	38
50	9	9
55	0	0
60	0	0
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

o Vertical Angles
* Initial Lamp Lumens

Ceiling	80%				70%				50%				30%				0			
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	
Wall %	Zonal Cavity Method - Floor Reflectance 20%																			
RCR																				
1	.61	.60	.58	.57	.58	.56	.56	.55	.54	.53	.53	.51	.49	.47	.47	.46	.46	.44	.44	.41
2	.58	.56	.54	.52	.55	.51	.53	.50	.51	.49	.47	.46	.44	.42	.42	.41	.40	.39	.38	.35
3	.55	.52	.49	.47	.51	.47	.50	.46	.49	.46	.44	.43	.42	.41	.40	.39	.38	.37	.36	.33
4	.53	.49	.46	.44	.48	.43	.47	.43	.46	.42	.41	.40	.39	.38	.37	.36	.35	.34	.33	.30
5	.50	.46	.43	.41	.45	.40	.44	.40	.43	.40	.39	.38	.37	.36	.35	.34	.33	.32	.31	.28
6	.48	.43	.40	.38	.43	.38	.42	.37	.41	.37	.36	.35	.34	.33	.32	.31	.30	.29	.28	.26
7	.45	.41	.37	.35	.40	.35	.40	.35	.39	.35	.34	.33	.32	.31	.30	.29	.28	.27	.26	.24
8	.43	.38	.35	.33	.38	.33	.37	.33	.37	.33	.32	.31	.30	.29	.28	.27	.26	.25	.24	.22
9	.41	.36	.33	.31	.36	.31	.36	.31	.35	.31	.30	.29	.28	.27	.26	.25	.24	.23	.22	.20
10	.39	.34	.31	.29	.34	.29	.34	.29	.33	.29	.28	.27	.26	.25	.24	.23	.22	.21	.20	.18

P914 One 42W Triple Tube Osram Sylvania
P914 One 42W Triple Tube Philips x .84

Brightness

Number	Lamps	85°	75°	65°	55°	45°
P913	32W Osram Sylvania Triple Tube	8	29	49	145	8831
	32W Philips Triple Tube	10	30	52	134	6900
P914	42W Osram Sylvania Triple Tube	12	40	67	199	11298
	42W Philips Triple Tube	14	40	71	178	9022

Data in footlamberts. Photometer readings, Maximum Brightness Method. See note 6.

Notes

- 1 Data on all charts calculated with a clear specular cone finish.
- 2 Specular cone multipliers: Wheat x .84, Pewter x .74, Mocha x .74, Graphite x .71, Titanium x .71, Bronze x .67.
- 3 Softglow® cone multipliers: Wheat x .71, Pewter x .65, Mocha x .65, Graphite x .63, Titanium x .63, Bronze x .61.
- 4 Single unit Datachart pattern diameters are determined by the number of degrees from each side of nadir. Therefore a 20° diameter represents a total 40° pattern width at the work plane 30" above the floor. Footcandle values are at the edge of that diameter. Datachart spacing is rounded off to the nearest foot.
- 5 Compact fluorescent data vary due to lamp lumen differences, power input, burning position, ambient temperature and ballast characteristics. A modification factor should be applied.
- 6 Brightness data from the Average Luminance Method are inaccurate for small aperture downlights. They are theoretical calculations derived for large surfaces such as troffers. For a complete discussion refer to section Z brochure Z1.