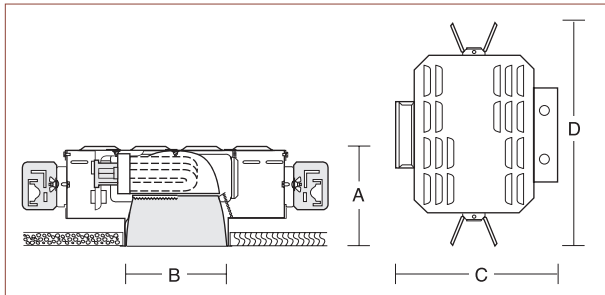


Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length	Lamps
P921	6 1/8" 156mm	5 7/8" 149mm	13 1/2" 343mm	19" 483mm	26-32W Triple Tube
P922	6 1/8" 156mm	5 7/8" 149mm	13 1/2" 343mm	19" 483mm	42W Triple Tube

Brightness

Number	Lamps	Plane	85°	75°	65°	55°	45°
P921	One 32W Philips Triple Tube	0°	11	37	64	5249	13556
		90°	9	32	54	12138	15412
	One 32W Osram Sylvania Triple Tube	0°	8	33	55	3019	13550
		90°	7	32	53	10505	13987
P922	One 42W Philips Triple Tube	0°	12	34	62	5559	14282
		90°	11	41	68	11342	15425
	One 42W Osram Sylvania Triple Tube	0°	11	44	73	3068	15813
		90°	11	47	76	14354	18396

Data in footlamberts. Photometer readings, Maximum Brightness Method. See note 7 on the other side.

P921 One 26W or 32W Triple Tube Lamp

P922 One 42W Triple Tube Lamp

P52

Medium-Wide Beam
5 7/8" Conoid Apertures

Optics and Applications

Ellipsoidal primary reflectors and parabolic shielding cones produce classic symmetrical patterns for general use in corridors, open areas and transient spaces. Recess depths are shallow for limited plenums. Use in medium ceiling heights. Spacing criteria from 1.14 to 1.23.

Design Features

Fixtures accept Philips, Osram Sylvania, GE or other compatible lamps despite the variance in lamp base dimensions. Construction allows easy access to all components. Air flow design lowers fixture temperature for optimal lamp performance. Steel housings protect the reflectors and assure their proper relationship. Maximum ceiling thickness 1 5/8". Ballast and lamp service from below.

Finish

Specular clear Alzak cones are standard. Optional colors and Softglow® finishes are available. Housings and structural parts are painted optical matte black to suppress stray light leaks. Steel parts are phosphate conditioned for corrosion resistance before painting.

Ballasts

Fully electronic, microprocessor controlled with variable starting current for inrush protection to assure rated lamp life. Input voltage ranges from 120V through 277V. Operates multiple wattage interchangeably. 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 pre-wired, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) data is in the photometric directory located in Section Z.

Accessories

- F Fuse.
- G Gold cone.
- H Mocha cone.
- P Graphite cone.
- T Titanium cone.
- W Wheat cone.
- Y Pewter cone.
- Z Bronze cone.
- R2 26" support rails.
- R5 52" support rails.
- WT White trim flange.
- WHT White complete trim.
- V347 347 volt ballast.
- LS Lamp shield, acrylic.
- LP Prism lens, acrylic.

S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.

DM Dimming ballast. Specify watts and volts.
EM Emergency power includes integral charger light and test switch visible through aperture. Single lamp operation for 90 minutes. Specify volts.

WRL Wattage restriction label, specify wattage.

Matching Units

Medium beam [Page P51](#)
Wall washers [Pages P61, P62, P63](#)

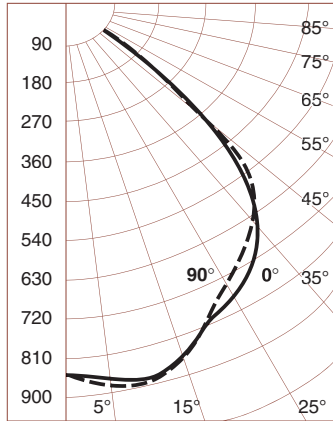
** Click for link to pages in blue.

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Performance Datachart

Single Unit Initial Footcandles, 30" Work Plane						Ceiling to Floor	Multiple Units Initial Footcandles, 30" Work Plane			
P921 One 32W Philips Triple Tube Read Top Data						8'	Ceiling 80% Walls 50% Floor 20%			
P922 One 42W Philips Triple Tube Read Bottom Data							Spacing is Maximum Over Work Plane			
Nadir		15°		25°			35°			
FC	FC	Diam	FC	Diam	FC	Diam	Spacing	RCR 1	RCR 3	RCR 8
29	25	3'	19	5'	12	8'	7'	35	29	19
36	32	3'	23	5'	14	8'	6'	47	39	26
21	18	3'	13	6'	9	9'	8'	25	21	14
26	23	3'	17	6'	10	9'	8'	34	28	19
15	14	4'	10	7'	6	11'	9'	19	15	10
19	17	4'	12	7'	8	11'	9'	25	21	14
12	11	5'	8	8'	5	12'	10'	15	12	8
15	14	5'	10	8'	6	12'	10'	20	16	11
10	9	5'	6	9'	4	13'	12'	12	10	6
12	11	5'	8	9'	5	13'	11'	16	13	9

Candlepower Distribution

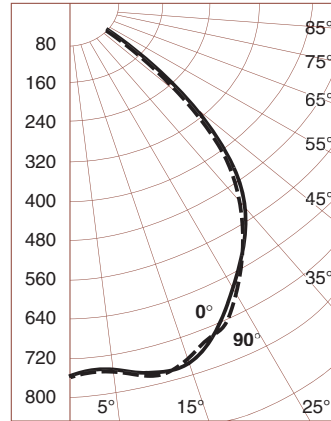


P921 One 32W Triple Tube Philips
Eff. 59% S/M 0° 1.23 S/M 90° 1.20

Candelas

°	0°	90°
	2400*	2400*
0	869	869
5	881	884
10	886	887
15	846	854
20	807	791
25	780	729
30	725	703
35	672	641
40	559	564
45	350	366
50	129	159
55	48	68
60	11	12
65	3	4
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

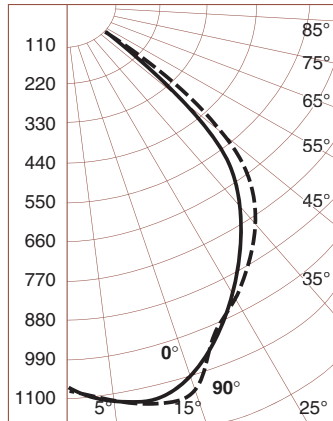
° Vertical Angles
* Initial Lamp Lumens



P921 One 32W Triple Tube Osram Sylvania
Eff. 49% S/M 0° 1.20 S/M 90° 1.15

°	0°	90°
	2400*	2400*
0	770	770
5	776	764
10	786	772
15	781	760
20	725	719
25	682	692
30	626	595
35	572	527
40	450	433
45	253	270
50	112	132
55	45	54
60	9	9
65	2	2
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

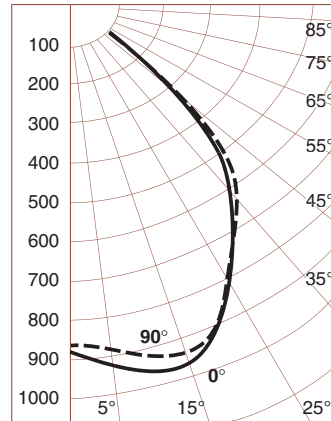
° Vertical Angles
* Initial Lamp Lumens



P922 One 42W Triple Tube Philips
Eff. 54% S/M 0° 1.14 S/M 90° 1.18

°	0°	90°
	3200*	3200*
0	1085	1085
5	1107	1112
10	1092	1143
15	1027	1138
20	956	994
25	899	949
30	821	859
35	755	792
40	627	687
45	392	467
50	100	217
55	31	79
60	6	15
65	4	8
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
* Initial Lamp Lumens



P922 One 42W Triple Tube Osram Sylvania
Eff. 45% S/M 0° 1.19 S/M 90° 1.19

°	0°	90°
	3200*	3200*
0	887	887
5	913	889
10	939	922
15	944	934
20	918	910
25	816	808
30	722	715
35	619	641
40	497	553
45	287	338
50	97	168
55	30	73
60	8	10
65	0	0
70	0	0
75	0	0
80	0	0
85	0	0
90	0	0

° Vertical Angles
* Initial Lamp Lumens

Notes

- Data on all charts calculated with a clear specular cone finish.
- Specular cone multipliers: Gold x .98, Wheat x .97, Pewter x .86, Mocha x .86, Graphite x .83, Titanium x .83, Bronze x .80.
- Softglow® cone multipliers: Gold x .89, Wheat x .87, Pewter x .73, Mocha x .75, Graphite x .70, Titanium x .70, Bronze x .68.
- 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.
- Data by IES methods. Compact fluorescent data vary due to lamp lumen differences, power input, burning position, ambient temperature and ballast characteristics. A modification factor should be applied.
- 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.

Coefficients of Utilization

Ceiling	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	0
Wall %	Zonal Cavity Method - Floor Reflectance 20%										
RCR	Zonal Cavity Method - Floor Reflectance 20%										
1	.67	.65	.63	.61	.63	.60	.61	.59	.59	.57	.54
2	.63	.59	.56	.54	.58	.53	.56	.52	.54	.51	.49
3	.59	.54	.51	.48	.53	.48	.52	.47	.50	.46	.44
4	.55	.50	.46	.43	.49	.42	.47	.42	.46	.41	.40
5	.51	.45	.41	.38	.45	.38	.44	.38	.43	.37	.36
6	.48	.42	.38	.35	.41	.34	.40	.34	.39	.34	.33
7	.45	.39	.34	.31	.38	.31	.37	.31	.37	.31	.30
8	.42	.36	.31	.29	.35	.29	.35	.28	.34	.28	.27
9	.40	.33	.29	.26	.33	.26	.32	.26	.31	.26	.25
10	.37	.31	.27	.24	.30	.24	.30	.24	.29	.24	.23