

Lens Chart For Sharp 3000 Series, NV/P Series & Sanyo LCD Projectors

Sharp 3000/3500 Lenses

		Screen Dimensions							
		4' 6"x6' 2"=7' 8"/d 54"x74"=92"/d	5' 3"x7' 8"=9"/d 63"x84"=105/d	6'x8"=10"/d 72"x96"=120"/d	7.5'x10"=12.5'/d 90"x120"=150"/d	9'x12"=15'/d 108"x144"=180"/d	10.5'x14"=17.5'/d 126"x168"=210"/d	12'x16"=20'/d 144"x192"=240"/d	15'x20"=25'/d 180"x240"=300"/d
Focal Lengths	2.1" Lens 53.34mm a=1.45" wide	9'	10'	11.5'	14.5'	17.5'	20'	23'	29'
	2.5"-3.5" Lens 63.5mm-88.9mm a=1.45" stock	10.25'-14.5'	12'-17'	14'-19'	20.75'-24'	21.75'-29'	24'-34'	27.5'-38.5'	36.25'-48.25'
	4.2"-7.35" Lens 107mm-187mm a=1.45" medium	13.5'-30.5'	16'-35.75'	18.25'-41.0'	22.75'-51.0'	36.5'-61.25'	42.5'-71.5'	48.5'-81.5'	76.5'-102.0'
	7.38"-12.3" Lens 187.5mm-312.4mm a=1.45" long	30.5'-51.0'	35.75'-59.25'	41.0'-68.0'	51.0'-84.75'	61.25'-101.75'	71.5'-118.75'	81.5'-135.75'	102.0'-169.5'

Sharp NV5/NV6/P10

Focal Lengths	1.3"-1.7" Lens 33mm-43mm a=0.72" NV5 stock	11'-14.5'	12.6'-16.5'	14.5'-19'	18'-23.6'	21.6'-28'	25'-33'	29'-38'	36'-47.2'
	1.36"-1.81" Lens 35mm-46mm a=1.04" NV6/P10 Wide	8'-10.7'	9.1'-12.1'	10.4'-13.9'	13'-17.4'	15.6'-20.8'	18.3'-24.3'	20.9'-27.8'	26.1'-34.8'
	1.9"-2.48" Lens 49mm-63mm a=1.04" NV6/P10 Stock	11'-15'	13'-17'	14.5'-19.25'	18.2'-24'	22'-29'	25.5'-34'	29'-38.4'	36.5'-48'
	2.68"-3.46" Lens 68mm-88mm a=1.04" NV6/P10 Longer	15.89'-20.52'	18.03'-23.29'	20.62'-26.62'	25.77'-33.27'	30.92'-39.92'	36.08'-46.58'	41.23'-53.23'	51.54'-66.54'

Sanyo 9000/10N(A)/XF20 Lenses

Focal Lengths	1.75" Lens 30.48mm a=1.44" wide	7.29'	8.50'	9.72	12.15'	14.58'	17.01'	19.44'	24.30'
	2.6"-3.9" Lens 66mm-99mm a=1.44" 9000 stock	11'-16.5	12.5'-19'	14'-21.5'	18'-27'	26.5'-32.5'	25'-38'	28.5'-43'	36'-54'
	2.9"-3.8" Lens 74mm-97mm a=1.44" 10N(A) & XF20 stock	12'-16'	14'-18.5'	16'-21'	20'-26'	24'-31.5'	28'-37'	32'-42'	40'-52.5'
	4.56"-7.29" Lens 116mm-185mm a=1.44" short	19.5-31'	22'-35.5'	25'-40.5'	31.5'-50.5'	38'-60.5'	44'-70.5'	50.5'-81'	63'-101'
	6"-9" Lens 152.4mm-228.6mm a=1.44" medium	26'-38.5'	29'-43.5'	33'-50'	41.5-62.5'	50'-75'	58'-87.5'	66.5'-100'	83'-125'
	7.38"-12.3" Lens 187.5mm-312.4mm a=1.44" long	31.5'-52.5'	36'-59.5'	41'-68'	51'-85'	61.5'-102.5'	71.5'-119.5'	82'-136.5'	102.5'-170.5'
18" Lens 457.2mm a=1.44" fixed long	77'	87.5'	100'	125'	150'	175'	200'	250'	

Formulas: $f=d(a)/w$; $d=f(w)/a$; $w=d(a)/f$; $a=w(f)/d$

KEY: f=focal length of lens; w=width of screen; d=distance from projector lens to screen; a=aperture of lens projector

N.B.: All Measurements Are Approximate. Distances are from front of lens to screen. Please add three (3) feet for minimum distance requirements to provide for proper projector placement and ventilation.