

CHOOSING A KODAK PROJECTION LENS

Kodak offers a variety of lenses to meet the many slide projection uses. It is important to purchase the right lens for your application in order to get the most satisfactory image. The Screen Image Size chart to the right identifies the range of image sizes obtained using KODAK Zoom Lenses at various projection distances. The Projection Lens Selection Chart on the reverse side helps you select a lens using the screen image size and projection distance.

Choosing between a zoom or fixed lens

A zoom lens allows you to change the screen image size without moving the projector. A fixed lens projects one image size from any given distance.

SELECT Flat Field Lens

KODAK EKTAPRO SELECT Projection FF lenses offer brilliant optical quality to satisfy the most demanding projection requirements. Features include multicoating, metal housing, high contrast, and precision manufacturing.

36 mm	CAT 712 5446
93 mm	CAT 712 5453
150 mm	CAT 712 5461
75 to 120 mm	CAT 712 5479
87 to 200 mm	CAT 712 5487
200 to 300 mm	CAT 712 5495

Flat-Field Lens

Recommended for most applications

KODAK Slide Projection FF lens:

85 mm	CAT 712 5503
100 mm	CAT 163 4500
180 mm	CAT 712 5529
75 to 120 mm	CAT 847 0346
100 to 150 mm	CAT 143 3432
100 to 200 mm	CAT 712 5743

**Screen Image Sizes
for KODAK Zoom Lenses**

	75-120 mm	87-200 mm	200-300 mm	100-150 mm	100-200 mm	102-152 mm
6'	2.8'-1.7'	2.0'-1.0'	0.9'-0.6'	2.1'-1.4'	1.7'-0.9'	2.0'-1.4'
8'	3.7'-2.3'	3.2'-1.4'	1.4'-0.9'	2.8'-1.8'	2.7'-1.4'	2.7'-1.8'
10'	4.6'-2.9'	3.9'-1.7'	1.7'-1.1'	3.5'-2.3'	3.4'-1.7'	3.4'-2.3'
12'	5.5'-3.5'	4.7'-2.1'	2.1'-1.4'	4.2'-2.7'	4.1'-2.1'	4.0'-2.7'
14'	6.4'-4.0'	5.5'-2.4'	2.4'-1.6'	4.8'-3.2'	4.8'-2.4'	4.7'-3.2'
16'	7.3'-4.6'	6.3'-2.7'	2.7'-1.8'	5.5'-3.7'	5.5'-2.7'	5.4'-3.6'
18'	8.2'-5.2'	7.1'-3.1'	3.1'-2.1'	6.2'-4.1'	6.2'-3.1'	6.1'-4.1'
20'	9.2'-5.7'	7.9'-3.4'	3.4'-2.3'	6.9'-4.6'	6.9'-3.4'	6.8'-4.5'
22'	10.1'-6.3'	8.7'-3.8'	3.6'-2.5'	7.6'-5.0'	7.2'-3.6'	7.4'-5.0'
24'	11.0'-6.9'	9.5'-4.1'	4.1'-2.7'	8.3'-5.5'	8.2'-4.1'	8.1'-5.4'
26'	11.9'-7.5'	10.3'-4.4'	4.5'-3.0'	9.0'-5.9'	8.9'-4.5'	8.8'-5.9'
28'	12.8'-8.0'	11.1'-4.8'	4.8'-3.2'	9.7'-6.4'	9.6'-4.8'	9.5'-6.3'
30'	13.7'-8.6'	11.9'-5.1'	5.1'-3.4'	10.4'-6.9'	10.3'-5.1'	10.1'-6.8'
32'	14.6'-9.2'	12.7'-5.5'	5.5'-3.7'	11.1'-7.3'	11.0'-5.5'	10.8'-7.2'
34'	15.6'-9.8'	13.5'-5.8'	5.8'-3.9'	11.8'-7.8'	11.7'-5.8'	11.5'-7.8'
36'	16.5'-10.3'	14.3'-6.2'	6.2'-4.1'	12.5'-8.2'	12.3'-6.2'	12.2'-8.1'
38'	17.4'-10.9'	15.0'-6.5'	6.5'-4.3'	13.2'-8.7'	13.0'-6.5'	12.8'-8.6'
40'	18.3'-11.5'	15.9'-6.8'	6.9'-4.6'	13.8'-9.2'	13.7'-6.9'	13.5'-9.0'
42'	19.2'-12.1'	16.7'-7.2'	7.2'-4.8'	14.5'-9.6'	14.4'-7.2'	14.2'-9.5'
44'	20.1'-12.6'	17.5'-7.5'	7.5'-5.0'	15.2'-10.1'	7.5'-5.0'	14.9'-9.9'
46'	21.0'-13.2'	18.3'-7.9'	7.9'-5.3'	15.9'-10.5'	15.8'-7.9'	15.5'-10.4'
48'	22.0'-13.8'	19.1'-8.2'	8.2'-5.5'	16.6'-11.0'	16.5'-8.2'	16.2'-10.8'
50'	22.9'-14.4'	19.9'-8.5'	8.6'-5.7'	17.3'-11.4'	17.1'-8.6'	16.9'-11.3'

Range of screen image sizes obtained by
KODAK Zoom Lenses at various projection distances.

See your AV dealer for these and other KODAK accessories that will enhance your slide presentation. To find a dealer near you, call the Kodak Information Center at 1-800-242-2424 ext. 10.
www.kodak.com/go/projectors

PRESENTATION TECHNOLOGIES



PROJECTION LENS SELECTION CHART (IN MILLIMETRES)

SCREEN IMAGE SIZE* (IN FEET)

PROJECTOR DISTANCE FROM SCREEN (IN FEET)

	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'	25'	26'	27'	28'	30'	32'	34'	36'	38'	40'	42'	44'	46'	48'	50'
3'	103	51	34	26	21	17	15	13	11	10	9	9	8	7	7	6	6	6	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	3	2	2	2	2	2
4'	137	69	46	34	27	23	20	17	15	14	12	11	11	10	9	9	8	8	7	7	7	6	6	6	5	5	5	5	5	4	4	4	4	3	3	3	3	3	3
5'	171	86	57	43	34	29	24	21	19	17	16	14	13	12	11	11	10	10	9	9	8	8	7	7	7	6	6	6	5	5	5	5	4	4	4	4	4	4	3
6'	206	103	69	51	41	34	29	26	23	21	19	17	16	15	14	13	12	11	11	10	10	9	9	9	8	8	8	7	7	6	6	6	5	5	5	5	4	4	4
7'	240	120	80	60	48	40	34	30	27	24	22	20	18	17	16	15	14	13	13	12	11	11	10	10	10	9	9	9	8	8	7	7	6	6	6	5	5	5	5
8'	274	137	91	69	55	46	39	34	30	27	25	23	21	20	18	17	16	15	14	14	13	12	12	11	11	11	10	10	9	9	8	8	7	7	7	6	6	6	5
9'	309	154	103	77	62	51	44	39	34	31	28	26	24	22	21	19	18	17	16	15	15	14	13	13	12	12	11	11	10	10	9	9	8	8	7	7	7	6	6
10'	343	171	114	86	69	57	49	43	38	34	31	29	26	24	23	21	20	19	18	17	16	16	15	14	14	13	13	12	11	11	10	10	9	9	8	8	7	7	7
11'	377	189	126	94	75	63	54	47	42	38	34	31	29	27	25	24	22	21	20	19	18	17	16	16	15	15	14	13	13	12	11	10	10	9	9	9	8	8	8
12'	411	206	137	103	82	69	59	51	46	41	37	34	32	29	27	26	24	23	22	21	20	19	18	17	16	16	15	15	14	13	12	11	11	10	10	9	9	9	8
13'	446	223	149	111	89	74	64	56	50	45	41	37	34	32	30	28	26	25	23	22	21	20	19	19	18	17	17	16	15	14	13	12	12	11	11	10	10	9	9
14'	480	240	160	120	96	80	69	60	53	48	44	40	37	34	32	30	28	27	25	24	23	22	21	20	19	18	18	17	16	15	14	13	13	12	11	11	10	10	10
15'	514	257	171	129	103	86	73	64	57	51	47	43	40	37	34	32	30	29	27	26	24	23	22	21	21	20	19	18	17	16	15	14	14	13	12	12	11	11	10
16'	549	274	183	137	110	91	78	69	61	55	50	46	42	39	37	34	32	30	29	27	26	25	24	23	22	21	20	20	18	17	16	15	14	14	13	12	12	11	11
17'	583	291	194	146	117	97	83	73	65	58	53	49	45	42	39	36	34	32	31	29	28	26	25	24	23	22	22	21	19	18	17	16	15	15	14	13	13	12	12
18'	617	309	206	154	123	103	88	77	69	62	56	51	47	44	41	39	36	34	32	31	29	28	27	26	25	24	23	22	21	19	18	17	16	15	15	14	13	13	12
19'	652	326	217	163	130	109	93	81	72	65	59	54	50	47	43	41	38	36	34	33	31	30	28	27	26	25	24	23	22	20	19	18	17	16	16	15	14	14	13
20'	686	343	229	171	137	114	98	86	76	69	62	57	53	49	46	43	40	38	36	34	33	31	30	29	27	26	25	24	23	21	20	19	18	17	16	16	15	14	14
21'	720	360	240	180	144	120	103	90	80	72	65	60	55	51	48	45	42	40	38	36	34	33	31	30	29	28	27	26	24	23	21	20	19	18	17	16	16	15	14
22'	754	377	251	189	151	126	108	94	84	75	69	63	58	54	50	47	44	42	40	38	36	34	33	31	30	29	28	27	25	24	22	21	20	19	18	17	16	16	15
23'	789	394	263	197	158	131	113	99	88	79	72	66	61	56	53	49	46	44	42	39	38	36	34	33	32	30	29	28	26	25	23	22	21	20	19	18	17	16	16
24'	823	411	274	206	165	137	118	103	91	82	75	69	63	59	55	51	48	46	43	41	39	37	36	34	33	32	30	29	27	26	24	23	22	21	20	19	18	17	16
25'	857	429	286	214	171	143	122	107	95	86	78	71	66	61	57	54	50	48	45	43	41	39	37	36	34	33	32	31	29	27	25	24	23	21	20	19	19	18	17
26'	892	446	297	223	178	149	127	111	99	89	81	74	69	64	59	56	52	50	47	45	42	41	39	37	36	34	33	32	30	28	26	25	23	22	21	20	19	19	18
27'	926	463	309	231	185	154	132	116	103	93	84	77	71	66	62	58	54	51	49	46	44	42	40	39	37	36	34	33	31	29	27	26	24	23	22	21	20	19	19
28'	960	480	320	240	192	160	137	120	107	96	87	80	74	69	64	60	56	53	51	48	46	44	42	40	38	37	36	34	32	30	28	27	25	24	23	22	21	20	19
29'	994	497	331	249	199	166	142	124	110	99	90	83	76	71	66	62	58	55	52	50	47	45	43	41	40	38	37	36	33	31	29	28	26	25	24	23	22	21	20
30'	1029	514	343	257	206	171	147	129	114	103	94	86	79	73	69	64	61	57	54	51	49	47	45	43	41	40	38	37	34	32	30	29	27	26	24	23	22	21	21
32'	1097	549	366	274	219	183	157	137	122	110	100	91	84	78	73	69	65	61	58	55	52	50	48	46	44	42	41	39	37	34	32	30	29	27	26	25	24	23	22
34'	1166	583	389	291	233	194	167	146	130	117	106	97	90	83	78	73	69	65	61	58	56	53	51	49	47	45	43	42	39	36	34	32	31	29	28	26	25	24	23
36'	1234	617	411	309	247	206	176	154	137	123	112	103	95	88	82	77	73	69	65	62	59	56	54	51	49	47	46	44	41	39	36	34	32	31	29	28	27	26	25
38'	1303	652	434	326	261	217	186	163	145	130	118	109	100	93	87	81	77	72	69	65	62	59	57	54	52	50	48	47	43	41	38	36	34	33	31	30	28	27	26
40'	1372	686	457	343	274	229	196	171	152	137	125	114	106	98	91	86	81	76	72	69	65	62	60	57	55	53	51	49	46	43	40	38	36	34	33	31	30	29	27
42'	1440	720	480	360	288	240	206	180	160	144	131	120	111	103	96	90	85	80	76	72	69	65	63	60	58	55	53	51	48	45	42	40	38	36	34	33	31	30	29
44'	1509	754	503	377	302	251	216	189	168	151	137	126	116	108	101	94	89	84	79	75	72	69	66	63	60	58	56	54	50	47	44	42	40	38	36	34	33	31	30
46'	1577	789	526	394	315	263	225	197	175	158	143	131	121	113	105	99	93	88	83	79	75	72	69	66	63	61	58	56	53	49	46	44	42	39	38	36	34	33	32
48'	1646	823	549	411	329	274	235	206	183	165	150	137	127	118	110	103	97	91	87	82	78	75	72	69	66	63	61	59	55	51	48	46	43	41	39	37	36	34	33
50'	1715	857	572	429	343	286	2																																

To determine the lens needed for your application:

- 1) Find the distance your projector will be from the screen (left column)
- 2) Find the screen image size you want (top or bottom row)
- 3) Locate the number where the row and column intersects, this is the lens size (in mm) needed for your application.

Example:

- 1) Find 21' PROJECTOR DISTANCE (from left column)
- 2) Find 6' SCREEN IMAGE SIZE (from top row)
- 3) Lens size needed is 120 mm (intersection of steps 1 and 2)

Kodak lenses are indicated in red.

Lens measurements are in millimetres. To convert to inches multiply by .0394.

*The SCREEN IMAGE SIZE is the longest side of a projected image, regardless of orientation.

