

**LEN-001****(Fixed Short Throw Option Lens for PJ1165, PJ1172)**

	WIDE
F number	2.3
Focal Length	0.63 inches
Keystone Correction	1 : 1
Focus Range	2.95 - 12.14 ft
Image Size(diagonal)	60 - 230 inches
Throw Ratio (distance to width (: 1))	0.8
Dimensions	φ94 x 154 mm
Weight	1.83 lbs.
Included Accessories	Operator's Manual, Installation

y:Projection Distance[inch]

x:Diagonal Screen Size[inch]

$$y=0.6477x-1.8526$$

Diagonal Screen Size [inch(m)]	Projection Distance [inch(m)] +/-10%
60(1.5)	37(0.9)
90(2.3)	56(1.4)
120(3.0)	76(1.9)
150(3.8)	95(2.4)
170(4.3)	108(2.7)
200(5.1)	128(3.2)
230(5.8)	147(3.7)

**PRJ-LEN-002****(Short Throw Option Lens for PJ1165, PJ1172)**

	WIDE	TELE
F number	2.2	2.8
Focal Length	0.91 inches	1.22 inches
	(Power Focus)	
Zoom Ratio	1.35 (Power Zoom)	
Keystone Correction	10 : 0	
Focus Range	2.95 - 37.73 ft	3.94 - 51.18 ft
Image Size(diagonal)	40 - 500 inches	
Throw Ratio (distance to width (: 1))	1.1	1.5
Dimensions	φ94 x 162 mm (Except Motors)	
Weight	2.69 lbs.	
Included Accessories	Operator's Manual, Installation	

y:Projection Distance[inch]

x:Diagonal Screen Size[inch]

$$\text{Min:}y=0.9106x-1.9398$$

$$\text{Max:}y=1.2311x-1.6988$$

Diagonal Screen Size [inch(m)]	Projection Distance [inch(m)] +/-10%		
	Minimum	Recommendation	Maximum
40(1.0)	34(0.9)	37(0.9)	48(1.2)
60(1.5)	53(1.3)	53(1.3)	72(1.8)
70(1.8)	62(1.6)	62(1.6)	84(2.1)
100(2.5)	89(2.3)	89(2.3)	121(3.1)
120(3.0)	107(2.7)	107(2.7)	143(3.7)
150(3.8)	135(3.4)	134(3.4)	183(4.6)
200(5.1)	180(4.6)	180(4.6)	245(6.2)
250(6.4)	226(5.7)	225(5.7)	306(7.8)
300(7.6)	271(6.9)	271(6.9)	368(9.3)
400(10.2)	362(9.2)	362(9.2)	491(12.5)
500(12.7)	453(11.5)	453(11.5)	614(15.6)

**PRJ-LEN-003****(Long Throw Option Lens for PJ1165, PJ1172)**

	WIDE	TELE
F number	2.1	2.6
Focal Length	1.81 inches	3.23 inches
	(Power Focus)	
Zoom Ratio	1.8 (Power Zoom)	
Keystone Correction	10 : 0	
Focus Range	5.91 - 76.12 ft	10.83 - 139.11 ft
Image Size(diagonal)	40 - 500 inches	
Throw Ratio (distance to width (: 1))	2.2	4.1
Dimensions	φ94 x 183 mm (Except Motors)	
Weight	3.15 lbs.	
Included Accessories	Operator's Manual, Installation Manual, Lens Cap	

y:Projection Distance[inch]

x:Diagonal Screen Size[inch]

$$\text{Min:}y=1.8329x-3.8857$$

$$\text{Max:}y=3.3450x-3.7798$$

Diagonal Screen Size [inch(m)]	Projection Distance [inch(m)] +/-10%		
	Minimum	Recommendation	Maximum
40(1.0)	69(1.8)	93(2.4)	130(3.3)
60(1.5)	106(2.7)	142(3.6)	197(5.0)
70(1.8)	124(3.2)	166(4.2)	230(5.9)
100(2.5)	179(4.6)	239(6.1)	331(8.4)
120(3.0)	216(5.5)	287(7.3)	398(10.1)
150(3.8)	271(6.9)	360(9.1)	498(12.6)
200(5.1)	363(9.2)	481(12.2)	665(16.9)
250(6.4)	454(11.5)	603(15.3)	832(21.1)
300(7.6)	564(13.9)	724(18.4)	1000(25.4)
400(10.2)	729(18.5)	966(24.5)	1334(33.9)
500(12.7)	913(23.2)	1209(30.7)	1669(42.4)

**LEN-002****(Ultra Long Throw Option Lens for PJ1165, PJ1172)**

	WIDE	TELE
F number	2.2	3.0
Focal Length	3.15 inches	5.67 inches
	(Power Focus)	
Zoom Ratio	1.8 (Power Zoom)	
Keystone Correction	10 : 0	
Focus Range	10.17 - 133.86 ft	19.03 - 244.76 ft
Image Size(diagonal)	40 - 500 inches	
Throw Ratio (distance to width (: 1))	3.9	7.3
Dimensions	φ94 x 180 mm (Except Motors)	
Weight	2.58 lbs.	
Included Accessories	Operator's Manual, Installation Manual, Lens Cap	

y:Projection Distance[inch]

x:Diagonal Screen Size[inch]

$$\text{Min:}y=3.2249x-5.4502$$

$$\text{Max:}y=5.8849x-5.2376$$

Diagonal Screen Size [inch(m)]	Projection Distance [inch(m)] +/-10%		
	Minimum	Recommendation	Maximum
40(1.0)	124(3.1)	175(4.4)	230(5.8)
60(1.5)	188(4.8)	265(6.7)	348(8.8)
70(1.8)	220(5.6)	310(7.9)	407(10.3)
100(2.5)	317(8.1)	445(11.3)	583(14.8)
120(3.0)	382(9.7)	535(13.6)	701(17.8)
150(3.8)	478(12.1)	671(17.0)	877(22.3)
200(5.1)	640(16.2)	896(22.8)	1172(29.8)
250(6.4)	801(20.3)	1121(28.5)	1466(37.2)
300(7.6)	962(24.4)	1346(34.2)	1760(44.7)
400(10.2)	1285(32.6)	1797(45.6)	2349(59.7)
500(12.7)	1607(40.8)	2247(57.1)	2937(74.6)