

**LEN-003****(Fixed Short Throw Option Lens for PJ1158)**

	WIDE
F number	2.3
Focal Length	13 mm
Keystone Correction	1 : 1
Focus Range	0.6-5.7 m
Image Size(diagonal)	40 - 350 inches
Throw Ratio (distance to width ( : 1))	0.8
Dimensions	φ98.5 x 158.4 mm
Weight	1.83 lbs.
Included Accessories	Operator's Manual, Installation

Diagonal Screen Size (inches)	Projection Distance +/-10%		Note
	WIDE	TELE	
40"	0.6		Tolerance +/-10% Distance[m]
60"	0.9		
70"	1.1		
100"	1.6		=0.0255*X-0.0599 WIDE)
120"	1.9		
150"	2.4		=0.0240*X-0.0558 (TELE)
200"	3.3		
250"	4.1		X is the image size inches
300"	4.9		
350"	5.7		

**LEN-004****(Short Throw Option Lens for PJ1158)**

	WIDE	TELE
F number	1.9	2.6
Focal Length	20 mm	32 mm
Zoom Ratio	1.6	
Keystone Correction	10 : 0	
Focus Range	1.0 - 8.9 m	1.6 - 14.2 m
Image Size(diagonal)	40 - 350 inches	
Throw Ratio (distance to width( : 1))	1.2	2.0
Dimensions	φ98.5 x 153.6 mm	
Weight	1.73 lbs.	
Included Accessories	Operator's Manual, Installation	

Diagonal Screen Size (inches)	Projection Distance +/-10%		Note
	WIDE	TELE	
40"	1.0 m	1.6 m	Tolerance +/-10% Distance[m]
60"	1.5 m	2.4 m	
70"	1.7 m	2.8 m	
100"	2.5 m	4.0 m	=0.0255*X-0.0599 WIDE)
120"	3.0 m	4.8 m	
150"	3.8 m	6.1 m	=0.0240*X-0.0558 (TELE)
200"	5.0 m	8.1 m	
250"	6.3 m	10.2 m	X is the image size inches
300"	7.6 m	12.2 m	
350"	8.9 m	14.2 m	

**LEN-005****(Long Throw Option Lens for PJ1158)**

	WIDE	TELE
F number	2.1	2.9
Focal Length	32 mm	63 mm
Zoom Ratio	2.0	
Keystone Correction	10 : 0	
Focus Range	1.5 - 20.4 m	3.1 - 40.1 m
Image Size(diagonal)	40 - 500 inches	
Throw Ratio (distance to width( : 1))	2.0	3.9
Dimensions	φ98.5 x 172.2 mm	
Weight	2.16 lbs.	
Included Accessories	Operator's Manual, Installation	

Diagonal Screen Size (inches)	Projection Distance +/-10%		Note
	WIDE	TELE	
40"	1.0 m	3.1 m	Tolerance +/-10% Distance[m]
60"	2.4 m	4.7 m	
70"	2.8 m	5.5 m	
100"	4.0 m	7.9 m	=0.0410*X-0.1084 WIDE)
120"	4.8 m	9.5 m	
150"	6.1 m	11.9 m	=0.0800*X-0.1055 (TELE)
200"	8.1 m	15.9 m	
300"	12.2 m	23.9 m	X is the image size inches
350"	14.3 m	27.9 m	
400"	16.3 m	31.9 m	
500"	20.4 m	39.9 m	

**LEN-006****(Ultra Long Throw Option Lens for PJ1158)**

	WIDE	TELE
F number	2.2	3.1
Focal Length	63 mm	117 mm
Zoom Ratio	1.9	
Keystone Correction	10 : 0	
Focus Range	2.3 - 40.7 m	4.4 - 76.2 m
Image Size(diagonal)	40 - 500 inches	
Throw Ratio (distance to width( : 1))	3.9	7.3
Dimensions	φ98.5 x 161.6 mm	
Weight	1.76 lbs.	
Included Accessories	Operator's Manual, Installation	

Diagonal Screen Size (inches)	Projection Distance +/-10%		Note
	WIDE	TELE	
40"	3.1 m	6.0 m	Tolerance +/-10% Distance[m]
60"	4.7 m	9.0 m	
70"	5.5 m	10.5 m	
100"	7.9 m	15.1 m	=0.0410*X-0.1084 WIDE)
120"	9.5 m	18.2 m	
150"	11.9 m	22.8 m	=0.0800*X-0.1055 (TELE)
200"	15.9 m	30.4 m	
300"	23.9 m	45.6 m	X is the image size inches
350"	27.9 m	53.3 m	
400"	31.9 m	60.9 m	
500"	39.9 m	76.2 m	