

SHARP®

AN-C27MZ

English

Deutsch

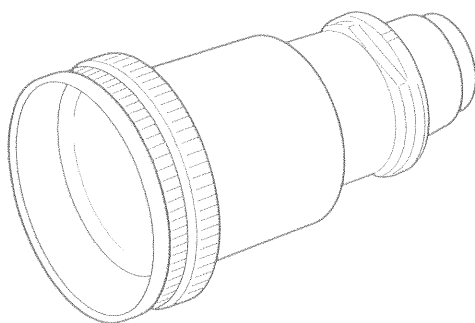
Français

Español

中文(简)

日本語

Tele-zoom lens for LCD projector
Tele-zoomobjektiv für LCD-Projektor
Téléobjectif-zoom pour projecteur LCD
Objetivo telefoto-zoom para proyector LCD
用于液晶显示投影机的远距变焦镜头
液晶プロジェクター用長焦点ズームレンズ



INSTALLATION MANUAL
INSTALLATIONSHANDBUCH
MANUEL D'INSTALLATION
MANUAL DE INSTALACIÓN
安装说明书
取付説明書

Handling Precautions

- Do not disassemble this lens.

Please refer to your authorized dealer for any maintenance and inspections requiring an open cabinet.

- Except for the lens fastener catch tab, touching any other internal part could cause personal injury or machine malfunction.
- Do not touch any glass or protruding part of the lens. This may cause personal injury and reduced performance of the projector.
- When maintaining the projector the following points should be noted.
 - When cleaning the lens be sure to use a commercial air blower or lens cleaning paper (used in cleaning glasses and cameras).
 - The surface of the lens is very delicate. Do not allow hard objects to bump or rub against it.



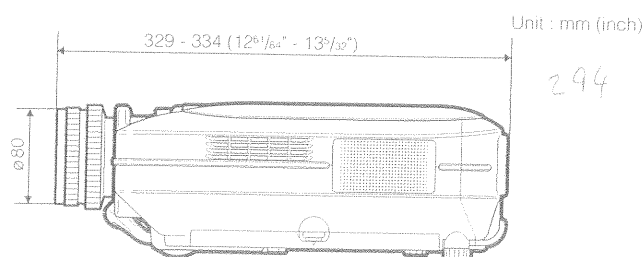
Caution

- Be sure not to attach this lens to the projector when storing or carrying the projector. This may cause damage to them.

Supplied Accessories

- 1 lens cover stick
- 1 lock release strap
- 2 lens caps (for the front and the back)
- Installation Manual (this manual)

Projector and Lens Dimensions

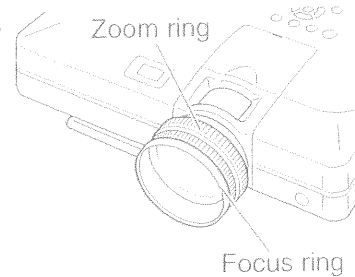


Specifications

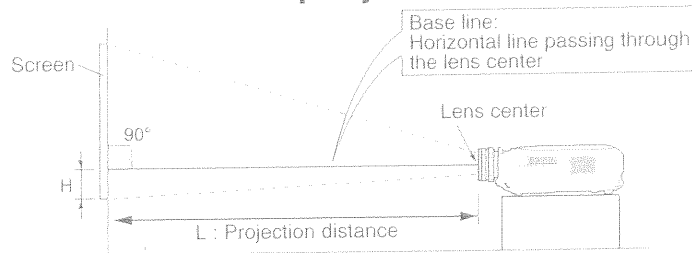
Product type	Tele-zoom lens for LCD projector
Model	AN-C27MZ
Type of lens	Zoom lens
Picture size (diagonal)	40" to 300"
Focal length	53.8 to 82.9 mm (2 1/8" to 3 1/4")
F no.	2.0 to 2.8
Throw ratio	1:2.7 to 4.3
Weight	Approx. 710g (1.57 lbs)
Dimensions	ø80 × 164 mm (6 29/64")

Adjust the picture size and focus

Turn the zoom ring to adjust picture size.
Turn the focus ring to adjust the focus.



Picture size and projection distance chart



NORMAL Mode (4:3)

Picture (Screen) size			Projection distance [L]		Distance from the lens center to the bottom of the image [H]
Diag. [Z]	Width	Height	Maximum [L1]	Minimum [L2]	
300" (762 cm)	240" (609.6 cm)	180" (457.2 cm)	85' 2" (26.0 m)	54' 2" (16.5 m)	17' 63/64" (45.7 cm)
250" (635 cm)	200" (508 cm)	150" (381 cm)	70' 11" (21.6 m)	45' 1" (13.7 m)	14' 61/64" (38.0 cm)
200" (508 cm)	160" (406.4 cm)	120" (304.8 cm)	56' 8" (17.3 m)	36" (11.0 m)	11' 31/32" (30.4 cm)
150" (381 cm)	120" (304.8 cm)	90" (228.6 cm)	42' 4" (12.9 m)	26' 10" (8.2 m)	8' 31/32" (22.8 cm)
100" (254 cm)	80" (203.2 cm)	60" (152.4 cm)	28' 1" (8.6 m)	17' 9" (5.4 m)	5' 63/64" (15.2 cm)
84" (213.3 cm)	67" (170.1 cm)	50" (127 cm)	23' 6" (7.2 m)	14' 10" (4.5 m)	5' 3/64" (12.8 cm)
72" (182.8 cm)	58" (147.3 cm)	43" (109.2 cm)	20' 1" (6.1 m)	12' 8" (3.9 m)	4' 21/64" (11.0 cm)
60" (152.4 cm)	48" (121.9 cm)	36" (91.4 cm)	16' 8" (5.1 m)	10' 6" (3.2 m)	3' 37/64" (9.1 cm)
40" (101.6 cm)	32" (81.2 cm)	24" (60.9 cm)	11' (3.4 m)	6' 10" (2.1 m)	2' 13/32" (6.1 cm)

The formula for picture size and projection distance

Z: Picture size (diag.) (in)

[Feet, inches]

L1 (ft) = (0.087Z - 0.1353) / 0.3048

L2 (ft) = (0.0555Z - 0.1377) / 0.3048

H (in) = (0.1522Z - 0.002) / 2.54

[m, cm]

L1 (m) = 0.087Z - 0.1353

L2 (m) = 0.0555Z - 0.1377

H (cm) = 0.1522Z - 0.002

STRETCH Mode (16:9)

Picture (Screen) size			Projection distance [L]		Distance from the lens center to the bottom of the image [H]
Diag. [Z]	Width	Height	Maximum [L1]	Minimum [L2]	
300" (762 cm)	261" (662.9 cm)	147" (373.4 cm)	92' 8" (28.3 m)	59' 1" (18.0 m)	-5' (-12.7 cm)
250" (635 cm)	218" (553.7 cm)	123" (312.4 cm)	77' 2" (23.5 m)	49' 2" (15.0 m)	-4' 11/64" (-10.6 cm)
228" (571.5 cm)	196" (497.8 cm)	110" (279.4 cm)	69' 5" (21.2 m)	44' 3" (13.5 m)	-3' 47/64" (-9.5 cm)
200" (508 cm)	174" (441.9 cm)	98" (248.9 cm)	61' 8" (18.8 m)	39' 3" (12.0 m)	-3' 11/32" (-8.5 cm)
150" (381 cm)	131" (332.7 cm)	74" (188 cm)	46' 2" (14.1 m)	29' 4" (8.9 m)	-2' 33/64" (-6.4 cm)
133" (337.6 cm)	116" (294.6 cm)	65" (165.1 cm)	40' 10" (12.5 m)	25' 11" (7.9 m)	-2' 13/64" (-5.6 cm)
106" (269.2 cm)	92" (233.6 cm)	52" (132 cm)	32' 6" (9.9 m)	20' 7" (6.3 m)	-1' 49/64" (-4.5 cm)
100" (254 cm)	87" (220.9 cm)	49" (124.4 cm)	30' 7" (9.3 m)	19' 5" (5.9 m)	-1' 21/32" (-4.2 cm)
92" (233.6 cm)	80" (203.2 cm)	45" (114.3 cm)	28' 1" (8.6 m)	17' 10" (5.4 m)	-1' 17/32" (-3.9 cm)
84" (213.3 cm)	73" (185.4 cm)	41" (104.1 cm)	25' 7" (7.8 m)	16' 2" (4.9 m)	-1' 27/64" (-3.6 cm)
72" (182.8 cm)	63" (160 cm)	35" (88.9 cm)	21' 11" (6.7 m)	13' 10" (4.2 m)	-1' 7/32" (-3.1 cm)
60" (152.4 cm)	52" (132 cm)	29" (73.6 cm)	18' 2" (5.5 m)	11' 5" (3.5 m)	-63/64" (-2.5 cm)
40" (101.6 cm)	35" (88.9 cm)	20" (50.8 cm)	12' (3.7 m)	7' 6" (2.3 m)	-43/64" (-1.7 cm)

The formula for picture size and projection distance

Z: Picture size (diag.) (in)

[Feet, inches]

L1 (ft) = (0.0946Z - 0.1356) / 0.3048

L2 (ft) = (0.0605Z - 0.1377) / 0.3048

H (in) = (-0.0424Z + 0.0013) / 2.54

[m, cm]

L1 (m) = 0.0946Z - 0.1356

L2 (m) = 0.0605Z - 0.1377

H (cm) = -0.0424Z + 0.0013



Note

- There is error of $\pm 3\%$ in the formula above.
- Values with a minus(-) sign indicate the distance of the lens center below the bottom of screen.

(GB)-3