

THE FULL RANGE OF REAR PROJECTORS

DLP TECHNOLOGY™

LITEMASTER





Size: 40, 50 and 67 inches

Resolution: SVGA and XGA

Fixed and mobile installations

Very high contrast BlackScreen™ available in glass or plastic

Mullion: from 6 mm to seamless !



FREEDOM TO CHOOSE!

CLEAR | BETTER RESOLUTION | BRIGHT | LIFELIKE COLORS | RELIABLE

LITEMASTER



40"



50"



67"

SYNELEC REAR PROJECTOR RANGE

SUPERIOR DISPLAY TECHNOLOGY

Digital Light Processing (DLP™), developed by Texas Instruments, is a radical new technology based on the Digital Micromirrors Device (DMD™). Thanks to Digital Light Processing (DLP™), SYNELEC LiteMaster range provides the final link in display walls.

LITEMASTER RANGE A CLEAR ADVANTAGE :

- *reliability, crisp pictures, excellent brightness...*
- *videowall display can now benefit from all the advantages of digital light processing technology.*

With Digital Light Processing (DLP™), the SYNELEC LiteMaster range is much more efficient than any existing rear projector on the market.

The first key advantage of the SYNELEC LiteMaster range is its unmatched picture quality.

DLP™ enables noise-free, crisp image quality with digital grey scale and color reproduction.

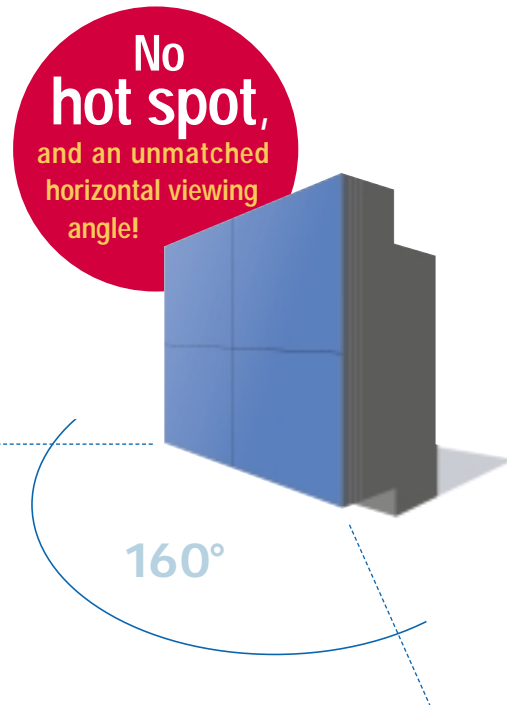
It provides unbeatable performance compared to any competing technology, such as LCD or CRT, because it is based on the reflective DMD™ Texas Instruments technology and so does not require polarized light.

These features result in a significantly more accurate picture with brightness 4 times greater than that of existing technologies.

LITEMASTER RANGE TRULY EASY CONTROL :

The exceptional image quality offered by SYNELEC LiteMaster is enforced by its perfect center-to-edge brightness and its greater viewing angle of 160°.

- *no convergence adjustment*
- *easy and quick geometrical alignment*
- *automatic color balance*



SELECT YOUR RESOLUTION

Whatever your choice regarding the resolution, the benefits of DMD™ technology will amaze your eyes.

XGA



1024x768 chip with black aperture
786,432 mirrors

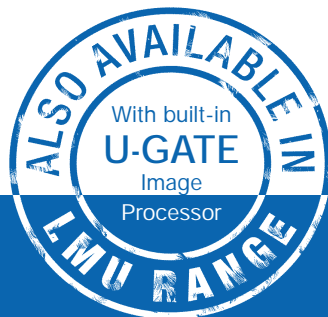
SVGA



848x600
508,800 mirrors

> SELECT YOUR

SIZE



40"



50"



67"

Five basic models are available:

name	resolution	size	height cm	width cm	depth cm
LM800-40R	SVGA	40"	60	80	100
LM800-50	SVGA	50"	75	100	67
LM800-67	SVGA	67"	102,3	136,4	85,5
LM1000-50	XGA	50"	75	100	58
LM1000-67	XGA	67"	102,3	136,4	74,5

> LM800-40R

- fully dedicated to the rental business with a 40 inch diagonal standard size
- high light output of 650 ANSI lumens
- direct rear projection without mirror
- toll-free installation system
- strong design

> LM800-50

- a best seller in the control room business
- very light weight and compact, only 67 cm depth!
- light output of 450 ANSI lumens
- noise free engine

> LM800-67

- uses the same engine than LM800-40R and LM800-50
- the most affordable rear projector of the range thanks to its price/surface ratio
- light output of 400 ANSI lumens
- ideal for entry level control rooms

> LM1000-50

- uses the last XGA (1024 X 768) DLP™ engine with black aperture
- a 50 inch diagonal for 58 cm depth only, the shortest model
- light output of 700 ANSI lumens!
- to be used when a lot of simultaneous graphic pictures are required on the wall

> LM1000-67

- uses the last XGA (1024 X 768) DLP™ engine with black aperture
- a 67 inch diagonal for 74,5 cm (29,3") depth only
- light output of 650 ANSI lumens
- ideal rear projection unit for medium/high range control rooms

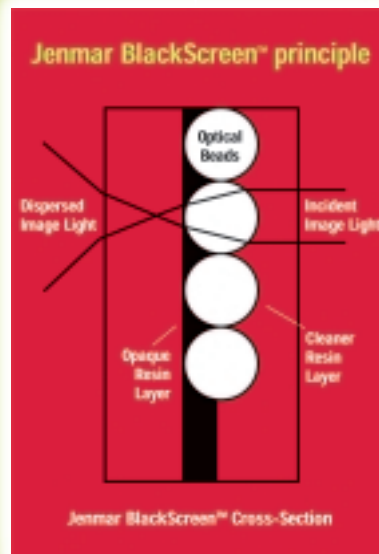
> SELECT YOUR SCREEN

Synelec recommends the use of BlackScreen™ lenses because it's the best combination possible with the Texas Instrument DMD™ engines, in terms of:

- *contrast*
- *brightness and gain*
- *ambient light rejection (plastic version)*
- *resolution*

Unlike other screens, BlackScreen™ uses refractive elements alone to disperse light. Scattering screens limit the contrast of the original image by internally scattering some of the light and emitting it elsewhere on the screen (see above). This gives the best contrast and brightness on the market.

**AVAILABLE
BOTH IN PLASTIC
OR GLASS!**



SHARP PICTURES, MAXIMUM RESOLUTION

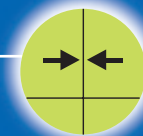
BlackScreen™ resolves up to 1.000 lines/inch, the maximum of the competition is 500 Lpi for the moment. This is avoiding also the image softness.



> SELECT YOUR MULLION

According the model
several mullions are
available.

- ▶ 6 mm pixel to pixel
- ▶ 2 mm pixel to pixel
- ▶ and now Seamless!





TECHNICAL SPECIFICATION



LM 800-40R

LM 800-50

LM 800-67

LM 1000-50

LM 1000-67

Image size:	40 inch diagonal	50 inch diagonal	67 inch diagonal	50 inch diagonal	67 inch diagonal
Depth:	100 cm	67 cm	85,5 cm	58 cm	74,5 cm
Resolution:	800 x 600 (SVGA)	800 x 600 (SVGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	1024 x 768 (XGA)
Frame frequency:	120 Hz non interlaced	120 Hz non interlaced	120 Hz non interlaced	120 Hz non interlaced	120 Hz non interlaced
Image generation:	DLP™	DLP™	DLP™	DLP™	DLP™
Brightness:	650 ANSI lumens	450 ANSI lumens	400 ANSI lumens	700 ANSI lumens	650 ANSI lumens
Angle of vision without noticeable losses:	horizontal: 160°, vertical: 80°	horizontal: 160°, vertical: 80°	horizontal: 160°, vertical: 80°	horizontal: 160°, vertical: 80°	horizontal: 160°, vertical: 80°
Front screen:	black coated, antireflection, wide angle lens	black coated, antireflection, wide angle lens	black coated, antireflection, wide angle lens	black coated, antireflection, wide angle lens	black coated, antireflection, wide angle lens
Mullion:	pixel to pixel, from 6 mm to seamless	pixel to pixel, from 6 mm to seamless	pixel to pixel, from 6 mm to seamless	pixel to pixel, from 6 mm to seamless	pixel to pixel, from 6 mm to seamless
Power:	110/220 volts 150 watts maximum	110/220 volts 150 watts maximum	110/220 volts 150 watts maximum	110/220 volts 150 watts maximum	110/220 volts 150 watts maximum
Lamp lifetime:	6,000 hours	6,000 hours	6,000 hours	6,000 hours	6,000 hours
Weight:	70 kg maximum	63 kg maximum	100 kg maximum	66 kg maximum	103 kg maximum

AUTHORIZED DEALER



SYNELEC
TELECOM MULTIMEDIA S.A
Zone Industrielle
12380 Saint-Sernin-sur-Rance
France
Tel. +33 (0) 5 65 99 67 44
Fax +33 (0) 5 65 99 67 25

Paris Office
Bertrand Sacher
Mobile +33 (0)6 11 64 39 24
Arnaud Ferrette
Mobile +33 (0)6 07 24 70 35

SYNELEC USA, Inc.
100 West Forest Avenue
Unit E
ENGLEWOOD
NJ 07631
USA
Tel. +1 201 816 0300
Fax +1 201 816 3606

SYNELEC D GmbH
In Laisen 76
D-72766 Reutlingen
GERMANY
Tel. +49 (0) 7121 43303-0
Fax +49 (0) 7121 43303-22

SYNELEC EMA
(Europe-Middle East-Africa)
Via Pacchioni, 21
00163 Roma
ITALIA
Tel. +(39) 06 66 54 18 30
Fax +(39) 06 66 54 18 31

SYNELEC UK Sales
Suite 200, Glenfield Park
Lomeshaye Business Village
Nelson - Lancashire
BB9 7DR
UK
Tel. +44 (0)1 282 69 69 68
Fax +44 (0)1 282 69 22 00

SYNELEC BRASIL
Rua Fidencio Ramos, 100
Edifício Setin Tower - 8º Andar
CEP 04551-010 São Paulo
BRASIL
Tel. +(55) 11 30 67 45 00
Fax +(55) 11 30 67 45 54

RPG Informatica
Cuidad de la Imagen
Ctra Boadilla-Madrid KM2
28224 Pozuelo de Alarcón
MADRID
Tel. +34 91 518 5871
Fax +34 91 518 5896