

At a glance

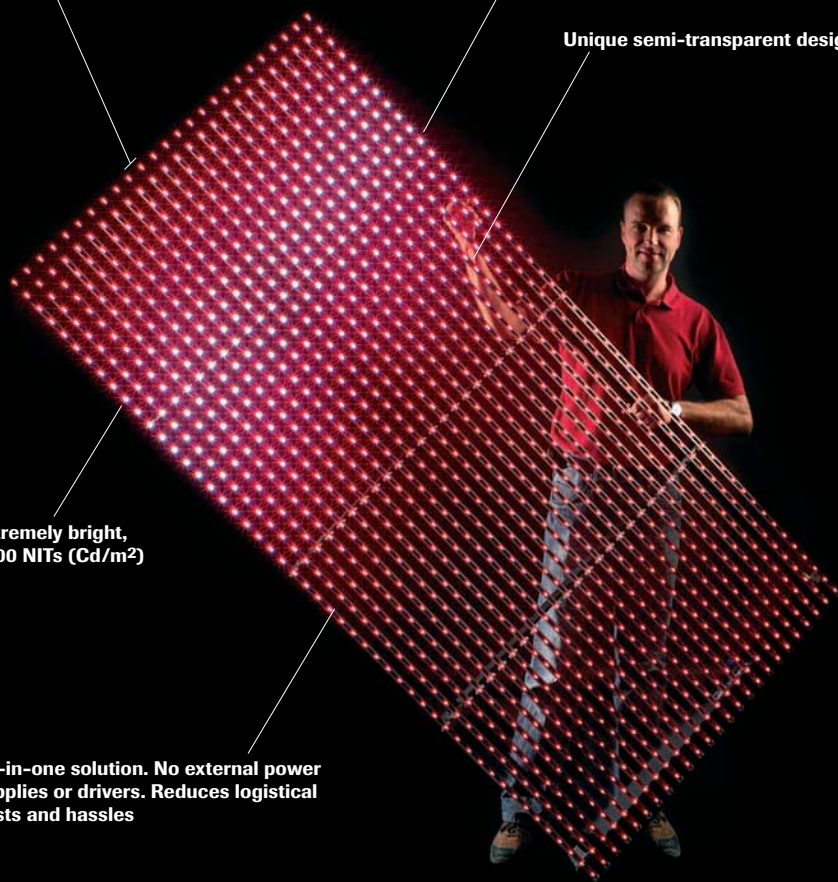
40 mm pixel pitch. Medium resolution provides sharp images at a distance but is still transparent and lightweight

Lightweight modules (19 kg / 42 lbs), easy to assemble reducing time and labor

Unique semi-transparent design

Extremely bright, 1800 NITs (Cd/m²)

All-in-one solution. No external power supplies or drivers. Reduces logistical costs and hassles



Specifications

PHYSICAL

Length:	1000 mm (39.4 in.)
Width:	110 mm (4.3 in.)
Height:	1004 mm (39.5 in.), LC 1140
Height:	2004 mm (78.9 in.), LC 2140
Weight:	14.3 kg (31.5 lbs.), LC 1140
Weight:	19.4 kg (42.8 lbs.), LC 2140

CONTROL AND PROGRAMMING

Setting and addressing: DIP-switch / addressing via LC Software

VIDEO PROCESSING

Video signal processor:	Integrated
Video signal:	XGA 1024 x 768 DVI-D (digital single link), 25 x 25 (LC 1140) or 25 x 50 (LC 2140) pixels displayed
Video signal frequency:	50 or 60 Hz
Genlock:	Yes, (via Martin DVI buffer box)

PHOTOMETRIC DATA

Light source:	5 mm (0.2 in.) oval LED
Total output (max):	1800 NITs (Cd/m ²) measured outside LED tubes, Ta 25° C (77° F)
Resolution, one fixture:	25 x 25 pixels (LC 1140), 25 x 50 pixels (LC 2140)
Pitch (pixel center-to-center):	40 mm (1.6 in.)
Pixel per m ² :	625
Red dominant wavelength:	627.5 nm ± 2.5 nm
Green dominant wavelength:	522.5 nm ± 2.5 nm
Blue dominant wavelength:	472.5 nm ± 2.5 nm
Color resolution:	14 bits per color
Viewing angle:	>100° horizontal, >40° vertical at 50% intensity

CONSTRUCTION

Panel frames:	Steel and aluminum
LED tubes:	Acrylic
LED tubes per panel:	25
Transparency through panel (unmasked area):	>60%
Color:	Black panel frames
Protection rating:	IP 20

INSTALLATION

Orientation:	Any
Panel combination:	Up to 7 hung or stacked vertically, no limit horizontally
Panel interlocking:	Polyte CSS6 conical coupler system

CONNECTIONS

Power in/out:	Neutrik® Powercon®
Video in/out:	DVI-D single link (DVI-I dual link connectors provided)

ELECTRICAL

AC power:	100-120/200-240 V nominal, 50/60 Hz
Power supply unit:	Integrated, auto-sensing multi-voltage
Main fuses:	Three 5 AT (LC 1140), three 10 AT (LC 2140)

THERMAL

Cooling:	Forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.):	40° C (104° F)
Minimum ambient temperature (Ta min.):	0° C (32° F)
Total heat dissipation (calculated, +/- 10%):	1060 BTU/hr. (LC 1140), 2140 BTU/hr. (LC 2140)

ACOUSTIC

Noise level: <45 dBA for one panel at 1 m (3.3 ft.), steady state, Ta 25° C (77° F)

APPROVALS

EU safety:	EN 60825-1, EN 60950
EU EMC:	EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3
US safety:	ANSI/UL 60950-1
Canadian safety:	CSA C22.2 No. 60950-1-03

INCLUDED ITEMS

Polyte® CSS6 conical couplers and threaded spigots	
User manual:	P/N 35000196

ACCESSORIES

3 m (9.8 ft.) power cable, 12 AWG, SJT, with PowerCon® NAC3FCA power input connector:	P/N 11541503
Neutrik® PowerCon® NAC3FCA power input connector, cable mount, blue:	P/N 05342804
Neutrik® PowerCon® NAC3FCB power output connector, cable mount, light grey:	P/N 05342805
PowerCon daisy-chain power cable, 1.4 m (4.6 ft.):	P/N 11850099
PowerCon daisy-chain power cable, 2.25 m (7.4 ft.):	P/N 11850100
PowerCon daisy-chain power cable, 3.25 m (10.7 ft.):	P/N 11850101
DVI-D cable, 1.5 m (4.9 ft.):	P/N 91611265
DVI-D cable, 3.2 m (10.5 ft.):	P/N 91611266
DVI-D cable, 5 m (16.4 ft.):	P/N 91611267
Martin DVI buffer box, LC series:	P/N 91611269
Martin DVI splitter, 2-output:	P/N 91611280
Martin DVI splitter, 4-output:	P/N 91611290
Martin DVI splitter, 8-output:	P/N 91611281
Polyte CSS6 conical coupler:	P/N 21021150
Threaded spigot for conical coupler:	P/N 08330125
Half conical coupler (used as floor-mounting option):	P/N 26820300
Four-unit flightcase for 4 x LC 1140:	P/N 91510110
Four-unit flightcase for 4 x LC 2140:	P/N 91510040

ORDERING INFORMATION

4 x LC 2140, 2 x 1 m in 4-unit flightcase with 16 couplers and 24 spigots:	P/N 90354100
4 x LC 1140, 1 x 1 m in 4-unit flightcase with 16 couplers and 24 spigots:	P/N 90354110
LC 2140, 2 x 1 m in cardboard box, with 4 conical couplers and 6 spigots:	P/N 90354120
LC 1140, 1 x 1 m in cardboard box, with 4 conical couplers and 6 spigots:	P/N 90354130