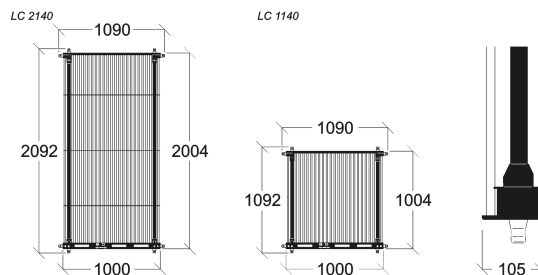


The LC Series is a semi-transparent, modular system of LED panels, perfect for displaying video and images. Designed for stage shows, TV studios and other commercial applications, the LC closely integrates light, video and set design, offering entirely new possibilities for staging.



**PHYSICAL** Length: 1000 mm (39.4 in.)  
 Width: 105 mm (4.1 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, LC Software

**VIDEO PROCESSING** Video signal processor: Integrated  
 Video signal: XGA 1024 x 768 DVI-D (digital single link), 25x25 (LC 1140) or 25x50 (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 Cd/m<sup>2</sup> (1800 nits) 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.)  
 Pixels per m<sup>2</sup>: 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: IP20

**INSTALLATION** Orientation: Any  
 Panel interlocking: Prolyte CCS6 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 and 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: CAN/CSA 60950-1-03

**INCLUDED ITEMS**

Prolyte CCS6 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  
 Conical coupler (Prolyte CCS6 system): P/N 21021150  
 Threaded spigot for conical coupler: P/N 08330125  
 Female conical coupler socket with hole for spigot: P/N 21021151  
 Half conical coupler with hole for spigot, length 44 mm (1.7 in.): P/N 21021152  
 Half conical coupler with hole for spigot, length 63 mm (2.5 in.): P/N 21021153  
 Half conical coupler without hole for spigot, length 44 mm (1.7 in.): 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

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