Your multi-purpose **All-in-one** LED solution
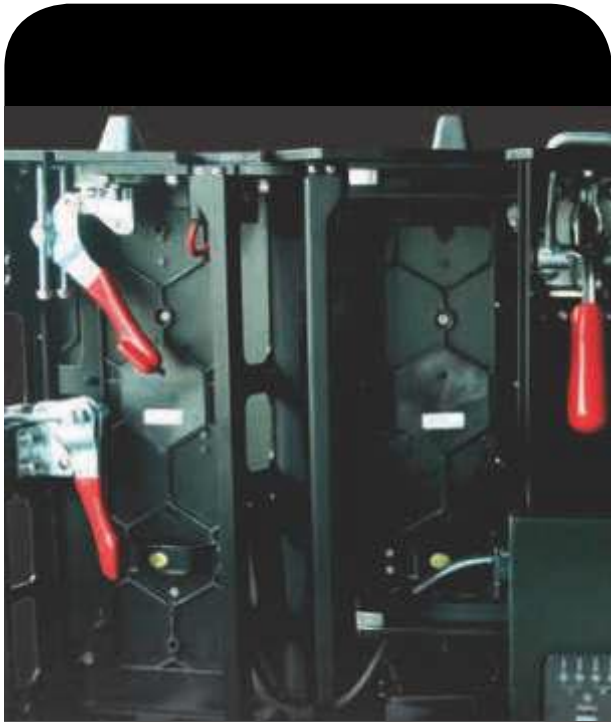
► Broadcast Standard Indoor/Outdoor Solution with dual **Gamma Map**

► Can be converted to a **Video Floor**

► Optional Stand-alone **Magnetic Tiles** Package

► High-precision **Multi-point Sliding Rotation System**
  (+/-15 degrees every 384mm)

PRODUCT
KEY FEATURES

Pledco's Pro Tour Series is an all-in-one turnkey solution for the Rental/Touring LED Display Industry. Designed and developed by an industry leading Canadian engineer, our Pro Tour Series is equipped has been fully equipped with the latest rental technology.

Rugged, Reliable, Compact & Light-weight Design **Multi - sectional Rig-and-Click Touring** LED Display.

State-of-the-Art Control System with easy **Drag & Drop** User Interface

Unique Time & Space-saving **Touring Transportation Rack** with **Dual Passive Suspension System** carrying Two Pre-rigged Sections of 2-by-2 panels.

Full redundancy Hot-swappable Control & Power Supply System

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PRODUCT
DETAILS

Our product line includes:

- ► 5mm, 8mm & 10 mm
- ► Indoor or outdoor type
- ► Flat and curvable
- ► High-brightness & Medium-brightness
- ► Optional True-Black LEDs.

- ► New Diamond Array Scanning System by 1/2 Multiplexing to keep a complete and steady image.
- ► Drivers with 120 steps of current adjustments for Real-time Brightness Adjustments up to 15,000nits in DMX Lighting Mode.
- ► High-eficiency Thermal-dissipation Tiles.
- ► Real-time Dual-sensor Tile Temperature Monitoring.
- ► Real-time Monitoring: Voltage, Power, Temperature status, Pixel Check (optional), Data, many more…
- ► Power & Data Redundancy.

- ► Real-time Power Consumption Calculation of DMX lighting Feature and Automatic Brightness Adjustment.
- ► Real-time PSU Fan Control insures No Noise in Indoor Mode (<3000nits).
- ► Up to 5000Hz Refresh Rate.
- ► Ready for HDMI1.4 and CMYK Color Space to control up to four million pixels.
- ► Hardware ready for 120Hz & 240Hz.
- ► Ready for Passive & Active 3D Video Images.

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Cabinet Size:
768 x 768 x 120mm

Tile Rating:
IP 67 TILES

Tile Size:
192mm x 384mm

**Stainless steel
locking Sytem**

No. of Tiles per Cabinet:
4 x 2 tiles

**Max. number of Cabinet
(horizontally):**
No limits

Cabinet Weight:
22 Kg. per Panel

**Max. number of Cabinet
(vertically):**
20 cabinets

Material Structure:
Laser-cut Black Anodized
Series 6 Aviation

**Hot-swappable
PSU & recieving
card**

**Foot step Structure that
can withstand climbing**

**Waterproof
Neutrik® Power
Connectors**

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CABINET
CURVABILITY

- ▶ IP67 Tile
- ▶ "Bee-Nest" design improves rigidity of the Tile and of the Panel.
- ▶ Aluminum version provides better Heat Dissipation for True-black LEDs.
- ▶ 3535 Outdoor UV-rated LEDs.
- ▶ Max Technical Brightness of 25,000nits.
- ▶ Refresh Rate up to 3800Hz for optimal .
- ▶ Broadcasting utilization.
- ▶ ½ Scan mode with unique scanning.
- ▶ System providing similar image quality to static scan-mode.
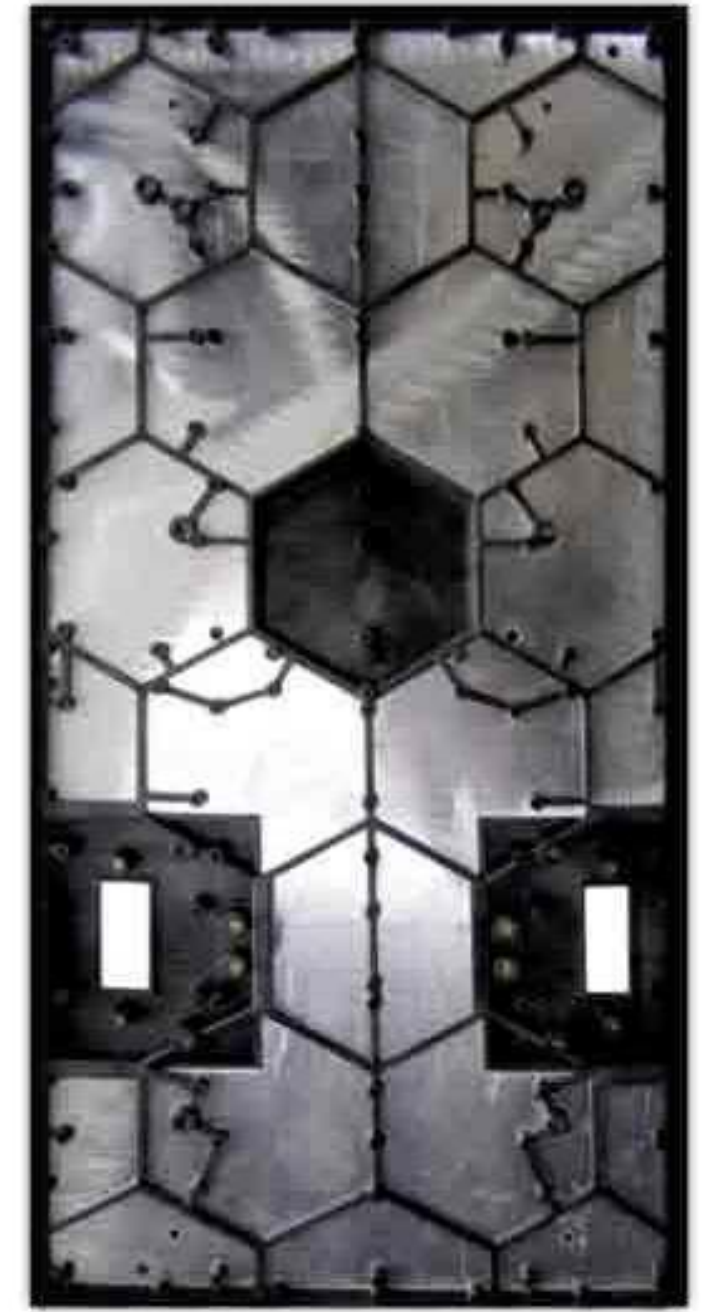
LED
TYPE

TRUE-BLACK 5mm   TRUE-BLACK 8mm   BLACK-FACE 8mm

FRONT VIEW OF THE TILE

BACK VIEW OF THE TILE

LOCKING SYSTEM **FEATURES**

CENTRE LOCK (X-AXIS)

ClampTek USA's technology allows our Pro Tour Series cabinet to easily align and lock in place without the need for any tools on the X-Axis.

FOUR PIN LOCKING SYSTEM

Designed specifically for precise alignment our ZREOP degree Locking System and 6.5mm pin ensure extreme high-precision tolerance.

SIDE LOCKS (Y-AXIS)

Simply align, rig and click the Pro Tour Series panels with an easy locking system made for quick install. No tools are required which makes installation a breeze for any installation team.

DUAL AXIS ALIGNMENT PINS

The high tolerance touring dual-axis alignment system was designed for quick/easy installation by having a two step alignment process. First the pin is aligned on the X-axis and then finally locked into place on the Y-Axis for perfect alignment and ZERO lines shown.

HOT SWAP
POWER SUPPLY & RECEIVING CARD

► FPGA Power.

► Real-time calculation of number of pixels displayed to automatically adjust the current of each LED in Lighting Mode.

► PSU Fan Control by PWM (Power With Modulation).

► Real-time Temperature Monitoring of two (2) PSU per panel.

► Real-time Temperature Monitoring of eight (8) Tiles per panel.

► Automatic Calibration (Brightness & Color).

Unique design allows for simple and quick swamp of any defective PSU.

Receiving Card (1)

Receiving Card (2)

Receiving Card (3)

CONTROL SYSTEM

► Our Control System is designed with the Touring Market in Mind, i.e. Everything is User-friendly and Designed to Help the
  Lighting Designer Save Time and Maximize his Creative Possibilities.

► Real-time Access by Drag & Drop in the Main Control Monitor for the X-Y Coordinates of Each

► Individual LED Display.

► Can Control up to 256 Full-HD DVI Dual-link Input Channels or 256 LDU Processors.

► TCP-IP: One for Screen Setting and One for Real-time DMX Control Access.

► Content can be Rotated (0°; 90 °; 180 °; 270 °).

► Multi-color Temperature Presets. Default Value: 6000nits at 7000K.

► Three (3) Current Driver Level Presets: Indoor (0-2000nits); Semi-outdoor (2000-4000nits);

► Outdoor (4000-6000nits).

► New revolutionary Lighting Interface which can control each panel independently by DMX512 via Art-Net Protocol.

► Neutrik Powercon Main Power Input
► Four Gigabite Output on Neutrik Ethercon
► Master Reset Button
► Genlock External Video Sink
► DVI Output
► DVI Input
► USB Port
► Ethernet TCPIP Control Port
► Artnet TCPIP Access Port

► Display Mapping Recall & IP Address Setting
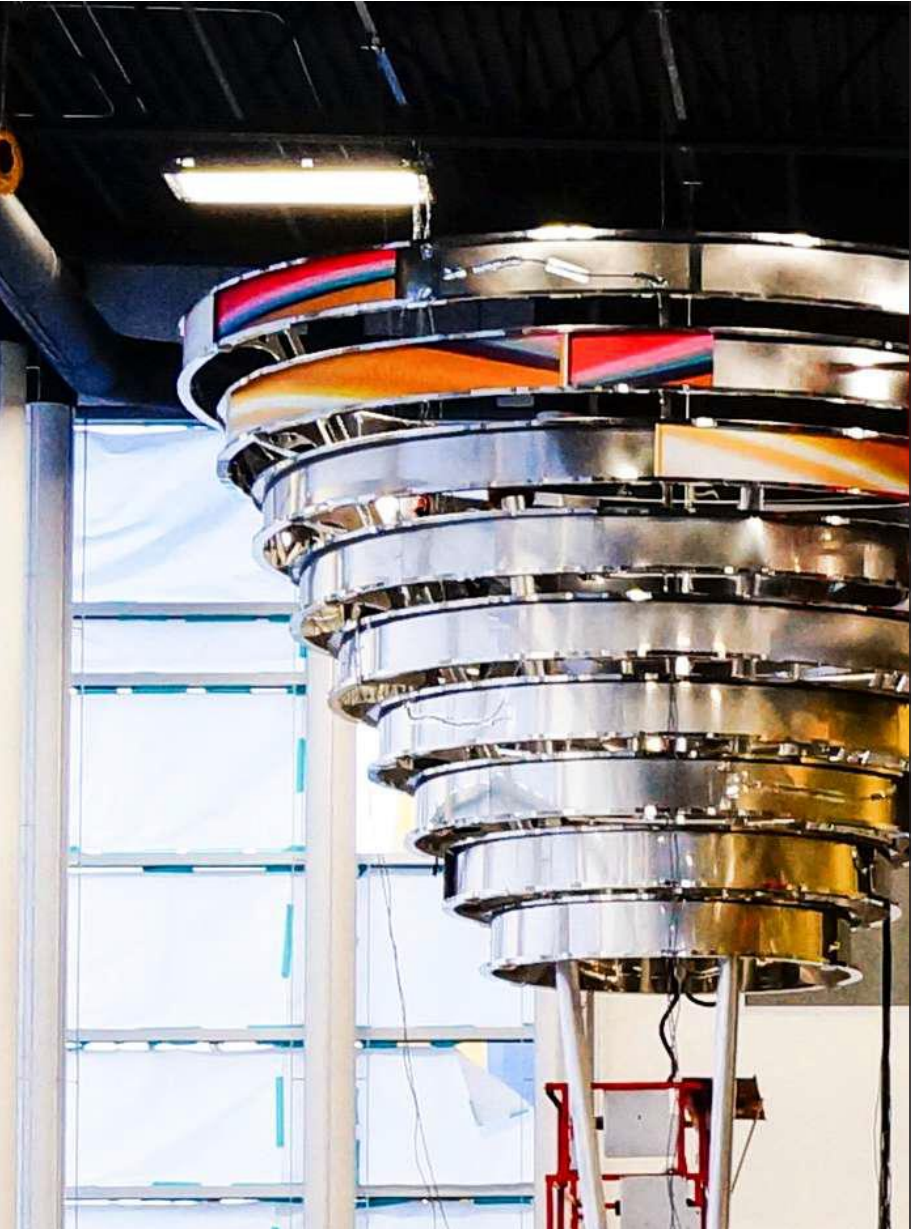► Monitoring LEDs for Screen-State Status

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LDU8000

► Custom-Engineered Control Board
► 32GB SD Card Reader
► Three 1GHz FPGA with Independent Dedi-
  cated Memory Bus
► Four 1GB Multiplexing Port
► One Atmel ARM Main CPU
► One Mathematical Co-Processor
► Plenty of Other Special Features
► Speciically Designed for Touring Application

► Brightness Adjustment
► Black-Out
► Freeze
► Test Patterns
► F1 & F2 for Additional Future Functions

CUSTOMER
SERVICE

At PLEDCO, we strongly emphasize the importance of customer relationships, and their trust in our products. Our key to lasting relationships focuses on delivering world-class LED products, while promising exceptional customer service and reliability, ensuring our clients a relaxing experience. PLEDCO is recognized as an industry leading LED total solution provider, from initial inquiry to after sales, our heavily trained team will guide you step-by-step through the entire process of your LED project.

Warranty & Maintenance

With over 20 years of combined professional experience, our internationally exposed engineers have specially designed and developed LED Display solutions to cope with harsh environments and withstand extreme temperatures. However, in the event of a problem, our highly experienced technical support team promises minimal display down-time by utilizing our bullet-proof trouble-shooting expertise. Nearly all of IMPOSA's products include a 5-year warranty, with optional extensions available upon request.

Installation Support

Our skilled technicians can professionally install your LED Displays without disturbing your projects schedule. Mitigation and problem-solving are inevitable during the installation process, and PLEDCO's installation "Gurus" have the experience, know-how, and technical expertise to handle nearly any situation. We are able to provide you with all the required documents including; speciication sheets, system diagrams, complete display and structure elevation drawings, and 3D rendering if required. As your dedicated total solution provider, we promise to be there step- by-step guiding you through your project, from initiation to closing.

24/7 Technical support via online or phone

Our phone and online live support systems enable us to provide 24/7 technical assistance. If you require urgent assistance our skilled technicians are always ready to help, regardless of dificulty. Technicians are required to pass intensive training and testing to ensure issues are dealt-with professionally and accurately, while emphasizing the importance of your project's schedule.

Parts Availability for the Next 15 Years

Our manufacturing facility produces all the parts used assemble our LED displays. More importantly, we own all the technology, molds and PCB layout designs that are used to develop these parts. This provides us with the reliability knowing exactly what materials are being used and ensures the quality of our products can easily be managed directly from the production level. One of the biggest after-sales issues a client could have is being able to receive replacement LEDs that have been recalibrated exactly the same as the display when irst produced. PLEDCO is one of the few companies in the world who utilizes the international HD NTSC REC-709 calibration in LED display, thus making it possible for us to provide our clients the exact same LEDs to match their display by using radiant's camera technology.

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