

The Light Stuff

The Light Stuff is a
publication of TLS, Inc.
Huntsville, AL

on James Thomas Engineering's Pixelrange™ of lighting fixtures - pixelpars and pixelline.

Think about those PARs you've got hanging in that "awkward to get to" area of your church, or theatre, or club. How many times in the last year or two have you had

to hire someone - or climb up yourself - to change a blown lamp? More than likely you also change the gel periodically, if not for every show. Are you tired of climbing that ladder yet? Welcome to the world of LEDs!



pixelpar 90

According to www.pixelpar.com, recent manufacturing advances of LEDs have enabled Thomas

to build a lighting instrument that is bright and reliable enough to be used in demanding situations - such as stage lighting. Just a few of the benefits of these fixtures are:

- ◆ Reduced electrical running costs
- ◆ No lamp failure - therefore reduced maintenance costs
- ◆ No color filters (gels) - dirt buildup, filter fading, and having to change filters is eliminated

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What is L.E.D.?

It's like Old MacDonald's Farm around here these days - here an LED, there an LED *everywhere* an LED! There are LED products popping up everywhere. Everything from flashlights to PARs. Driving through Huntsville and probably where you are, you'll notice that the traffic signals are brighter - yep LEDs! Those little keychains that light your path to the door - LEDs! But what *is* LED?

L.E.D., or more commonly seen without the periods - LED, is the standard abbreviation for *Light Emitting Diode*. A Light Emitting Diode is a semi conducting device that emits light when an electric current runs through it. This is beneficial for several reasons: it uses significantly less power, releases less heat, and lasts a lot longer than an incandescent light bulb.

While there is a growing abundance of products out there for the entertainment industry, we've currently got our eyes fixed

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The rest of the story: Some of you may remember a brief note in the May - July 2003 issue about two of our fellow employees leaving in relation to the war in Iraq. We are happy to announce that both have returned!

Alex Clair and his wife, Christie, returned from Washington state several months ago. Christie's guard unit had been sent there in March of last year in preparation of being sent overseas.

Our most recent homecoming was for Robert Osborne of the 926th Engineering Battalion. After being "called-up" last February, Robert's Decatur based A-Company was deployed to Iraq in April 2003. They returned in late April of this year.

We are very happy to have them both back, and especially happy for a safe return for Robert.

Winners: This year in the TLS, Inc. booth at SETC, we held a drawing for several items to be given away. Robert Riggan of Murfreesboro, TN and Jason Evarts of Salisbury, NC both won a LEX E-string, and Mic Golden of Young Harris, GA won a TLS,Inc, fleece jacket.

At Inspiration 2004, Jim Coleman of San Angelo, TX won 6 ETC Source Four Ellipsoids!

Congratulations to each winner and thanks to all who stopped in and registered.

You can win, too! In an ongoing effort to improve our customer service and customer relations, we have created a Quality Survey to encourage our customers to give feedback on how we're doing. How do *you* get one? For those of you who pick up your gear, you can get one when you come in the shop. Those of you to whom we ship, you'll receive one with your invoice or statement. You can also request one by contacting your Sales Person or by emailing Courtney - csherman@tlsinc.com. As an incentive, every month we draw from that month's responses and award a \$50 TLS,Inc. gift certificate. Winners are contacted and posted on our web page www.tlsinc.com.

And speaking of our web page . . . We've been working on a new design for our web page. It's going to have the same great info and references; we're just improving the look and feel in an effort to be more user friendly. We're hoping to have it up by late June, or um, maybe July, well ok perhaps August. End of the year? Let's just say "Soon" and leave it at that!

New Employees We have several new faces here at TLS,Inc. New Service Techs include: Tim Lighthall, Taylor Price, Jake Barrow, Clay Pence, Glenn Zimmermann, and Vicky Ursy. The accounting department has expanded by two - Vani Podila and Chris Hamilton. The sales department gained Courtney Sherman as the new counter salesperson and the inventory department recently hired Marcus White. We welcome each one to their respective departments - glad to have you aboard!



L-R: Jake Barrow, Tim Lighthall, Taylor Price, Marcus White, Vani Podila, Vicky Ursy, Glenn Zimmermann, Chris Hamilton, Courtney Sherman

L.E.D. - from page 1

Thomas' new *pixelpar 90* contains 30 each of red, green, and blue 1 watt Luxeon emitters, configured into a hexagon. It has a maximum power consumption of only 95 watts on full intensity. The *pixelpar 90* is capable of white light, subtle hues and full saturation of primary/secondary colors. Controlling the fixture is easy. There is an on-board user interface on the back or it can be daisy-chained to other fixtures. However, it is designed to work primarily with Pixeldrive - a control interface program that works with conventional DMX lighting controllers.

The *pixelline 1044* is a 4ft linear batten designed to produce a 20° seamless wash of light with no 'hot-spots'. Coverage is up to 20 ft from unit, but with little to no heat emitting, it's perfect for up-close illumination of delicate set pieces without fear of fire. The *pixelline 1044* is controlled in the same manner as the *pixelpar* - with the primary method being Pixeldrive.

Both fixtures are available for permanent install or touring. The *pixelpar* is available in black anodized or other anodized finishes and can even be custom spray baked by request. It comes with either a double floor yoke for portability or a stain-

less steel yoke for permanent installation. The *pixelline* comes standard with a combination yoke for floor, wall, or flown applications.

If you want a bit more than just illumination, an integrated system has been developed allowing Pixeldrive to control the Pixelrange of fixtures treating each fixture as a pixel placed on a video screen. This allows a multiple array of the fixtures to be mapped to specific parts of a video screen, thus controlling a variety of complex functions without the need to consider each fixture individually. Pixeldrive stores various media files allowing users to generate their own video loops, camera feed, video input, playback of stills and moving images.



pixelline 1044

We currently have these items available to rent and, of course, you can always purchase. For a demo or more information, please contact our sales department -plovell@tlsinc.com or 256.533.7025

Thanks to Blaine Engle and Mike Garl of James Thomas Engineering, for supplying information and photos for this article.

Aruba!

TLS,Inc. recently sent our Install Manager, Andrew Maples to the sunny island of Aruba for install and programming. Andrew installed 2 Space Cannon Searchlight 2000s for exterior use on the Aruba Surf Club at Palm Beach, Aruba. Also installed, were fibre optics on the towers of the surf club. Andrew did initial programming and trained the end users.

Project:

Aruba Surf Club - Palm Beach Aruba

Owner:

Marriott Ownership Resorts, Inc.
Orlando, FL

Contractor:

B.L. Harbert International Birmingham, AL
PM - David Weldon
MEP Site PM - R.G. Summerlin

Theatrical Lighting Company:

TLS, Inc. Huntsville AL
PM - Dennis Aplin
Install Mngr - Andrew Maples
Architects:
Robert M. Coleman & Partners
New Orleans, LA
Architect - Michael Burtilla, AIA

Electrical Engineering:

Bopell Electric Company
Aruba
PM - Carl Tjong-a-Tgoe
Lighting Consultant
BOS Lighting Design
Houston, TX
Lance Gandy