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Continued from May 2010 CTI Newsletter

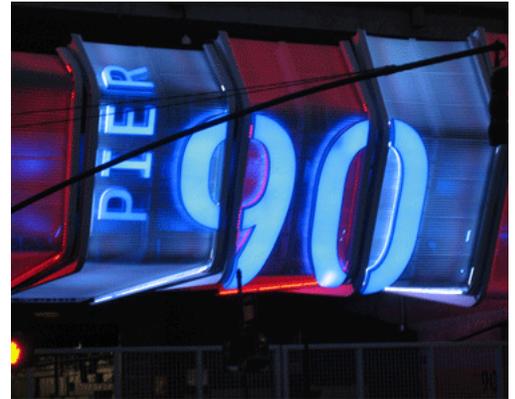
### Custom LED Power Data Supplies For New York City's Piers

When the ships arrive in New York for Fleet Week this month they will be greeted by new LED signs for Pier 88 and Pier 90. The lighting package for these impressive new signs was designed by [Focus Lighting, Inc.](#) of New York City, and features a range of Philips Color Kinetics LED products, including over 300 strings of [Philips Color Kinetics iColor Flex SLX Chromasic LED Nodes](#) powered and controlled with City Theatrical's latest custom Power / Data Supply (PDS) units.

Focus Lighting needed high density outdoor use PDS units that could be installed in limited space and were suitable for the relatively harsh environmental conditions of an outdoor installation on the New York waterfront.

Because of the environmental concerns, Focus Lighting required the units to be completely sealed NEMA4 units, which meant that the units could not be ventilated or forced air cooled. CTI responded with a custom design for ten 30" x 30" units that replaced over 300 Color Kinetics PDS-60 outdoor use power data supplies. Each custom PDS is a fully enclosed unit with a welded aluminum enclosure, and incorporates multiple 400W convection-cooled 12V power supplies, Philips Color Kinetics data control modules, and industrial multi-port Ethernet switches. These custom power data supplies are NEMA4 rated and ETL Listed.

Dan Nichols of Focus Lighting said, "We looked to City Theatrical because we knew of their history engineering custom solutions for large Color Kinetics installations. When the project began we were looking at over 300 separate CK enclosures installed on an elevated roadway along the Hudson River. The sheer quantity and physical space required almost ended the project before it began. It was only the combination of our experience designing large scale lighting installations and CTI's skills in engineering and fabrication that ultimately made this project possible."



The Pier 90 sign at night as viewed from Manhattan's 12th Avenue



The Pier 90 sign in daylight with the cruise ship Norwegian Dawn in port in the



Circuit boards prepped in the CTI electronics department



One of the 30" x 30" outdoor PDS boxes custom designed, built, and ETL listed by CTI.



CTI's electronics assemblers prepare thousands of wire harnesses



The Pier 88 sign in daylight



On the pier, looking north from behind the sign