



## TerraWave Solutions® Case Story TerraWave Solutions and ShowPro **Light Up the Night in Long Beach**

TerraWave Solutions is traditionally known for products and solutions tailored for wireless networking applications, but ShowPro needed TerraWave to **think outside the box** for an off-the-shelf **enclosure solution**. ShowPro, a lighting design firm, was tasked to develop numerous lighting attractions at many major venues in the downtown Long Beach area in an effort to revitalize the area and showcase the unique architecture on the waterfront.

The plan for phase one of the project called for lighting the lobby at the Long Beach Convention Center, the palm trees at the Pine Circle, four blocks of Pine Avenue, a fountain at the Long Beach Performing Arts Center and numerous storefronts, buildings and hotels. The late fall deployment allowed for the city to feature the deployment at the Festival of Lights Promotion, which included many lighted snowflakes, wreaths with ribbons and Christmas trees throughout the downtown district.

ShowPro contacted a TerraWave wireless networking solutions sales engineer after completing a thorough Internet search for an enclosure solution to house and protect the controller for the high-tech LED lights from inclement weather and splashing fountain water. Security was also a concern in areas where people could touch and possibly tamper with the equipment.

TerraWave's sales engineer recommended using twenty-five enclosure solutions in total, but sent ShowPro a sample for testing and review before the sale. The strategy would be to utilize an enclosure solution consisting of one of TerraWave's off-the-shelf 12" x 10" x 6" polycarbonate enclosures with a clear door and latching locks to provide both security and required weatherproofing. The lights would all be wirelessly controlled using a 2.4 GHz 5 dBi omni antenna with an industrial mast mount. The industrial mast mount kit includes a ceiling clamp, hose clamp and beam clamp to provide the lighting engineers with a variety of mounting solutions for affixing the antennas to the buildings. An 18" TerraWave RPSMA Plug to RPSMA Jack cable assembly would also be used to connect the antennas to the light controller system inside the enclosure.

The result provided a spectacular display and the security offered by the enclosures ensured the lights would stay on display year-round. After the successful deployment, the city decided to expand their night-life beautification efforts to illuminate additional buildings, landmarks and features unique to the area. Other cities are considering similar projects to improve the night-life aesthetics of the special attractions in their communities. ShowPro was very impressed with the quality of the sample that was sent and the technical expertise and on-going support it received from TerraWave from the project's conception to completion. This expanding project is certain to drive more creative and show-stopping solutions in the future between TerraWave and ShowPro.

***View Solutions Used in this Deployment on Next Page***



For detailed product information and to purchase product, please contact a TerraWave wireless networking solutions sales engineer at 210-375-8482, 800-851-4965, [sales@terrawave.com](mailto:sales@terrawave.com) or visit [www.terrawave.com](http://www.terrawave.com).

**TerraWave Solutions® Case Story**  
**TerraWave Solutions and ShowPro Light Up the Night in Long Beach (continued)**



TerraWave Part Number: V12106-L-C-2  
**TerraWave 12" x 10" x 6" Polycarbonate NEMA 4X Enclosure with Clear Door and Latching Locks**  
**List Price: \$170.60**  
[View Detailed Specs](#)



TerraWave Part Number: T24050O14820M-I  
**TerraWave 2.4 GHz 5 dBi Mast Mount Omni Antenna with 48" Pigtail and RPSMA Plug Connectors with Industrial Mast Mount Kit**  
**List Price: \$58.75**  
[View Detailed Specs](#)



**Solution Explained**

To deploy this spectacular, mass-scale lighting project, each string of lights was attached to an antenna that received a signal from the controller housed in a TerraWave enclosure. This configuration powered each string of lights and controlled the timing and color to display at any given time. Additionally, the controller was programmed to perform a variety of pre-configured light shows.

**For more information about this mass-lighting deployment, contact Mitch Payton, System Sales with ShowPro, Inc. at [mitch@showpro.net](mailto:mitch@showpro.net) or visit [www.showpro.net](http://www.showpro.net).**



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