

# VLED Assemblies for Backlit Electrical Signs

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## Application

Illuminated channel letters and light box signs have become the most commonly used type of electrical signs. Channel letters have deep sidewalls with recessed light sources. Box signs utilize a recessed light source to illuminate a translucent front surface made of plastic or glass.



## Requirement

Channel letters and light box signs commonly use Neon, fluorescent or LEDs as their light source. Unlike neon and fluorescent light sources, LEDs are solid state devices that have no filaments and glass parts to break. LED assemblies provide sign companies a versatile ready-to-use light source, reducing sign installation and maintenance cost. LED lit signs provide longer product life and increase efficiency of brightness, minimizing long term maintenance cost.



## Solution

### Visible LED Assemblies on Anotherm® Heat Spreader

- Solid State devices do not have components that break, reducing maintenance cost
- Superior thermal management through Anotherm® technology
- Universal connector included
- Viewing angle options available, including 120° and 40°
- Energy-efficient assemblies offer high luminance and long operating life
- Five standard mono color options
- Custom colors and design available



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OPA739\_



OPA730\_



OPA742\_-23



Surface Mount PLCC  
OVSxxxx

### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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