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To whom it may concern:

The American Electric [Autohahn](#) series of LED lighting fixtures is available with a variety of different “Color temperature” chips. The fixture is identical in form factor and power consumption, but the light that the fixture creates can vary slightly. This color temperature is measured in Kelvin (K). Color temperature is explained here:

[http://en.wikipedia.org/wiki/Color\\_temperature](http://en.wikipedia.org/wiki/Color_temperature)

Commonly, color temperatures are considered “Warm” or “Cool”. Warm relates to smaller numbers, while cool relates to higher numbers on the Kelvin scale.

The current Low Pressure Sodium (LPS) fixtures have a color temperature of ~2000K

High Pressure Sodium (HPS) has a color temperature of ~2500K

Metal Halide lamps (MH) have a color temperature of 4000K

We offer the Autobahn ATB0 series with 4000K, 5000K, and Amber LEDs. The amber LEDs are the fixtures that the County is considering for the coastal regions. This fixture has a very warm color temperature and was initially designed for use near observatories and in areas where wildlife may be affected, (commonly birds and migrating sea turtles). The color of these fixtures is 2200K, which is very warm. This is not a standard option yet, but is commercially available by special order. These fixtures are slightly less efficient than the 4000K counterparts, but still offer the benefits of LED lighting; reduced power, 100,000 hour expected life, and instant on.

In addition to the Amber chip set, I have also included the highest rated coating that we offer on these fixtures. The enhanced coating has a 5000 hour salt fog rating and offers us the very best protection against the challenging coastal environment. American Electric Lighting (AEL) has produced lighting fixtures for more than 60 years and many of the LPS fixtures that are being removed are AEL. We have taken all of the lessons that we have learned over the years of manufacturing HPS and LPS lighting fixtures and built the new LED fixtures to specifications we have developed over the years.

I am happy to personally answer any questions that may arise during the evaluation of the fixtures, please don't hesitate to call or email me directly.

Respectfully,

Chip Richards