

Connections

You Light Up My Life!

As is the norm in these whitepapers, I've been dating myself quite a bit. This month, I reminisce about Debbie Boone and her 1977 hit single, "You Light Up My Life." If you don't remember this; not to worry. The reference is simply

a metaphorical one, and you'll get the gist in a few moments of where I'm going with it anyway.

This month's whitepaper is specifically focusing on a product: The Banner K50Pro. While true, 50mm domed lights have been around for quite a while, and some have even been multicolored; red/green/yellow. Depending on the inputs selected, the unit would display the proper light.

So, what makes this one different you ask? The LEDs in the K50 PRO can blend colors, much like the LEDs in a modern TV screen. This allows for many more colors! The brightness is also controllable, and can be increased and decreased on the fly. Imagine a dim red light increasing in intensity, as if it were going to supernova, and then at its brightest, reverse the intensity back down to a low level. That's what I'm talking about!

You can also swirl two colors around in a circle. I know it sounds hokey, but imagine a machine without an HMI screen trying to indicate that it is booting up or "thinking." The swirling light can easily indicate that process. Then you have all of the obvious other colors to use. Red for a stoppage, green indicating normal operation, yellow indicating that it will soon need to be resupplied.

"After take-off, the pilot reported that he saw a landing gear indication light, and as a precaution, decided to return."

- Bryan Baldwin

As New England Drives & Controls constantly strives to become a better asset to our customers, our whitepaper series will feature new technologies or helpful insights that may be pertinent to the reader. It is our sincere hope that this information will be beneficial in both relating, and applying content to your industrial needs.

We hope you find this whitepaper series an enjoyable and informative read.

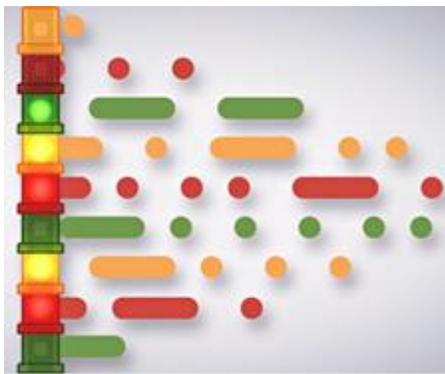
We always welcome your questions and comments.



The Banner K50 Pro can do all of these things. But just like a Ron Popeil ad; "That's not all!" You can also turn it into a barber pole, an ambulance light, a disco ball. The variations are limited only by your imagination.

When the light is spinning and the colors are blue and red, this light looks like the warp drive of the U.S.S. Enterprise. The geek factor is definitely there!

But seriously, back here on earth, the light could be used to indicate specific errors. Each different color can indicate a different event to report. In the past with only three colors, you would need to create a blinking sequence to indicate more than three errors. Six if blinking was used. Anything more would require a Morse code



like sequence. It is a solution, but imagine trying to interpret what the machine is saying.

Red Dit, Red Dah, Green Dit – Dit – Dit, Yellow Dah, Red Dit. Not so easy, right? Now imaging trying to convey this to someone on the other end of a phone.

As mentioned earlier, using this light can eliminate the need for a display. It is that versatile.

Anyway, our outside sales guys would love to drop by and demo this great light for you. Even if you currently do not have a need, you may very quickly think of uses for it. Give us a call and we'll come to visit.

-Peter Lavoie (Engineering Manager)



New England Drives & Controls,

Toll Free: 888-275-2092

www.nedrives.com