



Customizable CNC Status Light System >>

Any condition. Instantly visible. No wasted steps.

Caron Engineering's Smart Light System transforms standard CNC status lights into fully programmable, high-visibility communication tools — delivering real-time insight into machine conditions, process stages, and production progress.

CEI Smart Light provides instant visual intelligence across your shop floor.



Instant machine status visibility



Faster operator response time



Increased machine utilization

More Than a Stack Light. A Communication System.

CEI Smart Light enables manufacturers to:

- > Clearly communicate machine warmup, transitional states, and cycle completion
- > Display process stage progress or time remaining
- > Indicate tool wear conditions or measurement activity
- > Signal supply status (bar feeder last bar, material low, etc.)
- > Alert operators when intervention is required
- > Visualize countdown timers for automation states



*Unlimited color combinations and programmable audible alerts deliver **instant notification of any machine condition** — reducing inspections and maximizing production time.*



Single Color



Lights can be any color and can be solid, blink, or flash. Can replace existing status light.

Level Mode



1 - 20 lights lit in succession and can be any solid color. Used to indicate cycle status (%) or any level.

Segment Mode



Up to 5 light segments. Segments can be any color and be solid, blink, or flash.

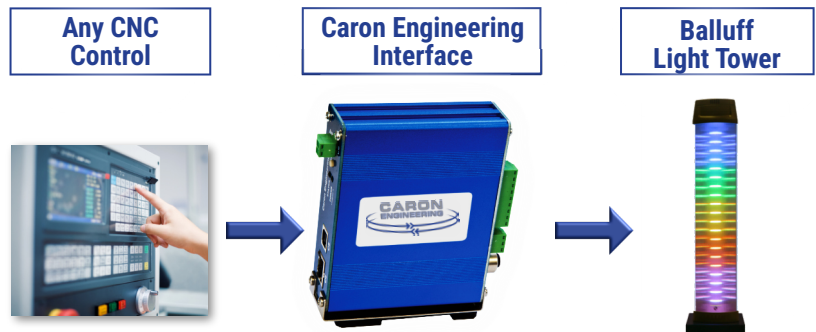
Run Light Mode



Any foreground color can run over any background color. 1 - 3 segments can be running. Used for special indications.

Built for Modern Machining Environments

- > 1,000+ LED configurations
- > 6 standard colors: White, Green, Blue, Yellow, Red, Orange
- > 1 user-defined color
- > Steady, Blinking, Flashing – or combinations simultaneously
- > Programmable audible alarm for alerts
- > Flexible integration and customizable for any machine status indication
- > Direct replacement for existing stack lights
- > Mount anywhere on the machine
- > Supports multiple communication protocols simultaneously
- > Advanced Recipe Builder – Configure communication protocols, define custom modes, and test all light outputs prior to deployment



The CEI Smart Light System controller and configuration software is compatible with all Fast Process (Balluff) Smart Light Towers.

Smart Visibility. Stronger Control.

Operators no longer need to walk up to the control to understand machine status. Production teams gain instant clarity – *from across the floor.*

Learn More:

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Flexible Mode: Each of the 20 light segments can be a different color

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