

enLightened Pick-to-Light System



Accelerate order fulfillment accuracy and speed with intuitive, light-directed picking that reduces errors, shortens training time and boosts warehouse productivity.

In high-velocity warehouse environments, speed and precision matter. Manual picking methods and paper or RF-only workflows can slow operators down, increase errors and create unnecessary cognitive load. As volumes grow and labor becomes harder to train and retain, operations need a faster, more intuitive way to guide associates through pick and put tasks.

As part of enVista's enMotion technology stack, the enLightened Pick-to-Light System delivers a smart, IoT-enabled light-directed system that visually guides workers to the correct locations and quantities. With multi-color displays, touch confirmation and plug-and-play deployment, enLightened Pick-to-Light reduces search time, improves accuracy and enables consistent performance across picking, put-to-light and sorting workflows. Designed for seamless integration with WMS and warehouse control platforms, it provides

real-time execution visibility while simplifying floor operations.

enLightened Pick-to-Light System Key Features

- Large, multi-digit, multi-color display to reduce visual fatigue and improve readability at distance
- Edge beacon lights to quickly identify bins and locations in long racks and narrow aisles
- Multi-color indicators to support multiple operators or task types simultaneously
- Capacitive touch confirmation with self-calibrating sensor, auto-drift compensation and noise filtering for fast (<100–500ms) response without mechanical buttons, improving durability and reliability
- Plug-and-play setup with snap-on mounting and concealed high-speed flat cabling

- Fast commissioning – typical controller setup in under 10 minutes
- Supports up to 120 light modules per controller line
- IoT-enabled wireless connectivity to local or cloud servers via Wi-Fi
- Secure communication with SSL/TLS encryption and OTA logic and security updates
- Water- and dust-resistant sealed design with no moving parts
- High-speed, error-checked communication protocol for precise, real-time response
- API-driven integration with WMS, WES and WCS platforms
- **Reduce Training Time** – Intuitive light and touch workflows help new workers become productive quickly
- **Language Agnostic Operation** – Visual light cues minimize language dependency, helping train non-English speakers faster and improving workforce inclusivity
- **Configurable, High-Contrast Color Scheme** – Red, yellow and green displays on a black background deliver strong contrast; yellow and green enhance readability for most color-blind users, supporting greater accessibility
- **Boost Throughput** – Faster confirmations and guided tasks support higher line and zone productivity

Pick-to-Light Benefits

The enLightened Pick-to-Light System improves picking and sorting performance by combining visual direction, real-time confirmation and system integration to streamline warehouse execution.

- **Increase Picking/Sorting Speed** – Light guidance reduces search time, touch confirmation is faster than scanning while maintaining accuracy, and confirmed actions improve Hawk-Eye camera review effectiveness
- **Improve Order Accuracy** – Visual bin and quantity indicators reduce mis-picks and put errors
- **Lower Labor Fatigue** – Large displays and visual cues reduce cognitive and visual strain
- **Enable Multi-Operator Workflows** – Color-coded lights allow multiple users or processes to share zones efficiently
- **Support Multiple Use Cases** – Ideal for pick-to-light, put-to-light and light-based parcel sorting
- **Increase Operational Visibility** – Real-time task confirmation feeds execution data back to host systems
- **Improve Dispute Resolution** – Optional workstation mirroring and video trace capabilities support verification and quality control.

About enVista

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enVista's unique ability to consult, implement and operate across supply chain, IT and enterprise technology solutions allows companies to leverage enVista as a trusted advisor across their enterprises.

Consulting and solutions delivery is in our DNA.

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