MOLI Smart Stacklight

real-time workcenter status across the production floor

A problem nobody can see is a problem nobody can solve.

A machine's built-in andon light tells you whether the *machine* is running. It doesn't tell you whether anyone is logged in, whether an escalation is open, whether a production alert has fired, or whether the operator just failed a training assessment.

MOLI adds that layer — one tower, one pole, one cable — mirroring and augmenting the machine's native status, or adding status where none currently exists.

Every workcenter speaks the same visual language, from injection molding presses to manual assembly stations. Everyone on the floor knows what's happening without asking. Auditors see a documented, standards-compliant system.

MOLI integrates natively with the Patlite LA-6 series programmable stacklight, providing enhanced at-a-glance workcenter status information that goes beyond machine alarms — and works without a machine, too!

HOW IT WORKS

🔗 Machine mirroring

On workcenters with a **MOLI machine integration**, the stacklight replicates the machine's native andon state. Machine red is MOLI red. Machine idle is MOLI idle.

📡 Standalone andon

MOLI drives the stacklight directly from **workcenter events** — login state, alerts, escalations. Any workcenter, any operation — even stations with no machine.

🖥️ Central dashboard

All stacklight states across the entire facility are visible in the **MOLI Dashboard** — supervisors anywhere on the network see what the floor sees.

MOLI STACKLIGHT STATE LANGUAGE — IEC 60073 STANDARD

Off
No operator logged in. Workcenter idle.

Green — Running
Operator logged in; active production. All clear.

Red — Escalation
HELP pressed; unresolved issue. Varies by rule.

Lemon — Alert
Active MOLI Alert; varies by status.

Amber — Alert
Active MOLI Alert; varies by status.

Blue — Training
Failed assessment or uncertified training.

Purple — Quality
Quality-related event; configurable per workflow.

Mirrored Andon State
On supported machines; native state replicated.

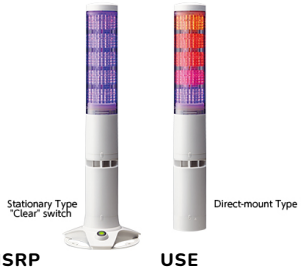
PATLITE LA6-POE — CONFIGURATIONS AND ACCESSORIES

Colors 21 programmable LED colors · **Alarms** 11 selectable styles, loudness up to 85dB · **Tiers** 5

Power PoE (IEEE 802.3af) · 48V DC · **IP Rating** IP54 (IEC 60529) · **Standards** UL 508 · FCC · RoHS · EMC · **Diameter** 60mm

Protocols HTTP · Modbus TCP/IP · PNS · **Mirroring** up to 8 replicas per device

PATLITE®



MODEL / SKU	DESCRIPTION	MOUNT / INSTALL	MSRP	USE
SIGNAL TOWERS — LA6-POE SERIES				
LA6-5DTNWB-POE	Direct mount type — mounts directly to a pole. Off-white body.	Pole / direct mount Pairs with aluminum poles below.	**$761**	Machine-side
LA6-5DTNUB-POE	Direct mount type — mounts directly to a pole. Silver body.		**$799**	
LA6-5DSNWB-POE	Stationary type — flat base, self-standing. Off-white body.	Tabletop / shelf Includes desktop platform SZW-060W.	**$851**	Desk / wall
MOUNTING — ALUMINUM POLES				
100mm Pole `POLE-100A21+00109`	22mm diameter, 100mm aluminum pole, no threads, silver. Low-profile close-mount option.	Direct mount to surface	**$35**	Accessory
300mm Pole `POLE-300A21+00109`	22mm diameter, 300mm aluminum pole, no threads, silver. Standard height for most machine-side deployments.	Direct mount to surface	**$40**	Accessory
800mm Pole `POLE-800A21+00109`	22mm diameter, 800mm aluminum pole, no threads, silver. Elevated visibility where line-of-sight requires height.	Direct mount to surface	**$50**	Accessory
MOUNTING — BRACKETS AND PLATFORMS				
Wall Mount Bracket `SZK-003W`	Off-white wall mount bracket for LA6 series. Positions the tower horizontally outward from a wall or column.	Wall / column	**$35**	Accessory
Desktop Platform `SZW-060W`	Weighted desktop platform for the LA6-POE series. Stable base for countertop or shelf deployment.	Tabletop / no mount	**$125**	Accessory

DEPLOYMENT AND INTEGRATION CONSIDERATIONS

What you need at each workcenter

- **One LA6-5DTNWB-POE** (or -DSNWB for stationary) — the tower itself
- **Pole or mount accessory** — selected based on machine geometry and visibility requirements; consulting included
- **One PoE Ethernet cable run** — single cable carries both data and power
- PoE Switch (IEEE 802.3af) in your network infrastructure, or power injectors

Machines supported for mirroring

- **Standalone andon mode** — any workcenter, any machine, any process
- **Arburg injection molding presses** — via ALS / MQTT + REST modules
- **EOS DMLS 3D printers** — via EOSCONNECT
- **Haas CNC machines** — via MTConnect agent
- Other machines — if your machine has a network API, mirroring may be possible

🔧 Every deployment includes stacklight consulting — custom workflows are available.

Not every workcenter needs a stacklight, and the ones that do may need different states or behaviors. Every MOLI deployment includes **consulting to identify which workcenters benefit and how to mount and cable** the stacklight at each location. For operations with unique signaling requirements — takt time, process flows, level indicators — **Perdix Software can build custom workflows**.

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Let there be light.

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