

## Case Study: Electric Material Handling Trolley

A material handling company in Mexico recently approached APS to provide a safety and lighting solution for their fleet of 17 electric material handling trolleys.

**Problem:** The customer needed to add safety lights, work lights and a backup alarm to each T2500-Platform trolley to create a safer working environment for warehouse staff and trolley operators. The solution needed to be suitable for the application whilst having a low power draw so the lithium battery would last the entire 8-hour shift.

**Solution:** APS supplied a number of suitable lighting and safety products that covered the customers' needs, and kept the overall Amp draw even lower than what they initially required. APS decided on quality brands ECCO, Vision X and ABL to recommend low-draw safety lights, work lights and a backup alarm. Click the product title links below to learn more.

**The APS solution achieved customers' goals with less than 2.5A / 60W of power consumption - that's less than one traditional halogen work lamp!!**

### ABL 500 LED Blue - Forklift Warning Light

Directs a sharp-edged beam of blue light on the floor, creating an easily identifying warning signal for an increased safety environment.

**Quantity:** 2    **Amp Draw:** 0.2A @ 24V DC each

**Part Number:** LED500BLUE



### Vision X 2" Solstice Solo Work Lights

The Solstice Solo LED Pod light outputs 736 effective lumens from a single 10W LED and outshines most factory halogen headlights. The XIL-S1130 has the 30° beam pattern.

**Quantity:** 2    **Amp Draw:** 0.83A @ 12V DC each

**Part Number:** XIL-S1130



### ECCO EW2015 LED Pedestrian Boundary Light

Designed to provide a visual warning for pedestrians by projecting a bright red line onto the ground to the side of the vehicle.

**Quantity:** 2    **Amp Draw:** 0.6A @ 24V DC each

**Part Number:** EW2015R



### ECCO 6262A SAE Class III LED Strobe

This Maintenance-free low-draw LED strobe produces a warning signal ideally suited for electric vehicles. The trolley already came with a factory-fitted strobe, which was changed for the lower power consumption model ECCO 6262A.

**Quantity:** 1    **Amp Draw:** 0.12A @ 24V DC

**Part Number:** 6262A



### ECCO 520 Surface Mount Alarm

Compact size and universal mounting bracket maximizes location options, self grounding, and sealed in epoxy for protection against dust, moisture, and vibration.

**Quantity:** 1    **Amp Draw:** 0.2A @ 24V DC each

**Part Number:** 520



### APS 1C34 Series LED Stop, Tail & Turn

State of the art optical lens and patented reflector LED design provide excellent visibility even in full sunlight. APS changed the factory-fitted incandescent stop tail and turn lights to LED to lower power consumption.

**Quantity:** 2    **Amp Draw:** 0.04A @ 24V DC each

**Part Number:** 1C340RMVP



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### What is the T2500-Platform?

Produced by a company called Movexx, the T2500-Platform is a type of material handling equipment called a tow tug, or in this case a ride-on tow tug. It is powered by a lithium battery, can travel up to 8km/h and is capable of pulling a load that weighs up to 2500 kg.



### Contact APS

[Contact your local APS representative](#) to discuss how we can tailor a solution to meet your needs.

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