

PROJECT CONTROL > CONNECTED HIGH BAY LED LIGHTING



molex[®]

THE CONNECTED LIGHTING > SPECIALISTS

How do I maximise value with my LED lighting upgrade?

Bottom line efficiency is a key aim for every business and upgrading lighting to improve energy efficiency is a natural first step. But did you realise that if you simply swap out old technology for LEDs you'll be missing out on a range of additional savings you get with a Digital Lumens Connected LED Lighting system from Molex?

It's time organisations started to look at lighting in a completely new way, as a means of enabling outstanding energy savings, removing the unnecessary costs associated with managing traditional lighting systems, enhancing productivity and delivering next-generation operational insight that drives efficiency.

This is lighting like no other; it allows employees to focus on what's most important, whether it's the task at hand or the next big thing.

The right choice for high bay installations

If your warehouse, cold storage facility, factory or venue has high bay lighting installed, you'll already be familiar with the costs associated with regular certification of battery backup systems and the annual cost of replacing lamps, ballasts and hiring cherry pickers. You'll also recognise the impact on productivity caused by having to shut down whole sections of your facility during lighting maintenance.

Designed specifically for High Bay applications, a Digital Lumens system not only delivers outstanding cost savings and energy efficiency but also improves employee wellbeing, maximises facility productivity and delivers a business-wide view of operational data — whether you have a single facility or a hundred.

Cost efficiency is just the beginning; intelligent LED fixtures and the innovative LightRules® system help create a more engaging and safer workplace and also drive workforce productivity, by eliminating interruptions throughout the workday.

Most importantly, this is a great way for any organisation to launch and leverage the Internet of Things. It turns everyday facilities into smart buildings and by unlocking data, educated business decisions can be made about non-lighting energy consumption, space utilisation and capital expenditures that directly impact your bottom line.



Validate energy usage and justify your investment

Everyone wants to save on energy costs, right? Even swapping from traditional lighting to basic LEDs with occupancy sensors can reduce the bill - but what if you could save so much more?

The Digital Lumens system communicates using wireless networking, which makes it really simple to validate and document energy usage and identify opportunities for additional savings.

And beyond measurement and reporting, Digital Lumens' multi-strategy control creates new opportunities to maximise lighting-based cost savings.

Each new control strategy (including daylight harvesting, task tuning and scheduling) reduces energy use by 5-10%. And by combining multiple strategies it's possible to achieve total savings of up to 93% versus legacy lighting.

Project Control *Multi-site projects made easy!*

It's a reality that dealing with multiple vendors and contractors can mean a project owner loses time in their day that simply cannot be recovered.

Add to that the capabilities void that's left behind when IT and Facilities personnel are seconded to IP infrastructure builds and you'll perhaps recognise some familiar issues.

These are just two of the reasons we've developed **Project Control** to provide a unique turnkey project management solution for organisations with IT infrastructure deployment programmes across multiple sites.

Project Control enables a single point of contact for all of your projects, no matter their location and our proven project management methodology gives you access to live project status updates for each of your sites, 24-7.

From consultancy and design through to vendor management and installation; our fully-accountable service includes staging, commissioning and IP rollout services.

Project Control provides a flexible turnkey service, which helps you recover time lost, enables better deployment of internal resources and instantly creates clarity from complexity.

THE SOLUTION > SPECIALISTS

Reduce downtime and increase productivity

Lighting is in every place your people and production assets are, which is why it makes the perfect conduit for sensor-based intelligence to help organisations work smarter.

Traditional lighting systems require a regular maintenance schedule and in a high bay installation that means getting maintenance personnel up to ceiling level, safely. With a Digital Lumens system from Molex, you'll no longer need your scissor lift or cherry picker because accessing light fixtures at the ceiling level is a thing of the past. You can eliminate costly downtime due to fixture-related maintenance and reduce interruptions that get in the way of doing business.

Configure and optimise, from anywhere

LightRules software allows you to wirelessly configure, control and optimise all lighting in your facility and the LightRules Mobile app for iOS and Android means quick and easy adjustment of settings, wherever you're working. Make changes once, from a single location — you don't have to spend hours walking the facility to manage your system with a line-of-sight remote control.

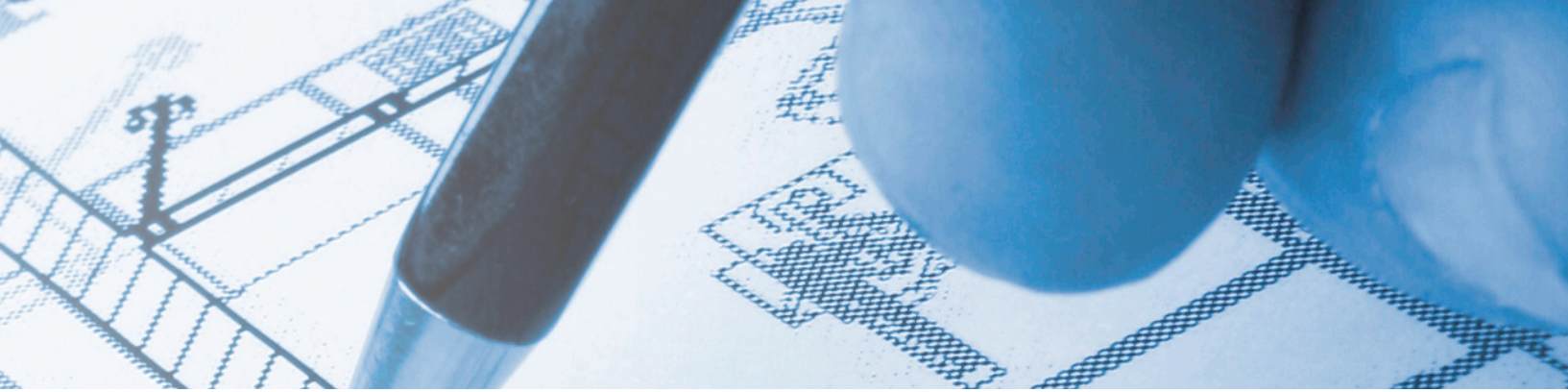
Improve employee engagement

Providing increased levels of daylight and personalisation via granular lighting controls results in a more comfortable work environment, as well as more productive, engaged employees. With Digital Lumens, you can avoid the startling glare common to basic LEDs and ensure that your employees remain happy and productive long after the system has been installed.

Eliminate manual shutdown procedures

In installations where light fixtures are located adjacent to industrial equipment, it can mean that they are inaccessible without shutting down the production line, costing time and money. Our remote intelligence eliminates costly shutdown / restart procedures.





Safety first

Poor lighting has a direct impact on workplace safety. With a Digital Lumens system from Molex you can minimise disruptions and risk and maximise safety, across your entire business thanks to best-in-class sensors, progressive dimming and coordinated control.

To prevent employees being distracted, the output of nearby lights can ramp down from 100% to 75% to 50% instead of abruptly switching lights on and off. Digital Lumens' progressive dimming drives energy savings, while improving safety when compared to legacy lighting and basic LEDs.

Keep pace with vehicle traffic

Occupancy sensors that react slowly will fail to trigger lights on time and contribute to unsafe working conditions. The best-in-class performance of Digital Lumens sensors ensures that your lights will always trigger in advance of occupants - so no more waving of arms or walking into uncomfortably dark spaces.

Digital Lumens occupancy sensors react to objects moving at speeds up to twice as fast as typical forklift traffic to ensure on-time triggering - important for employee safety. Coordinated control indicates when another vehicle is exiting a nearby aisle at speed, eliminating blind spot accidents at aisle junctions.

LightRules emergency management solution

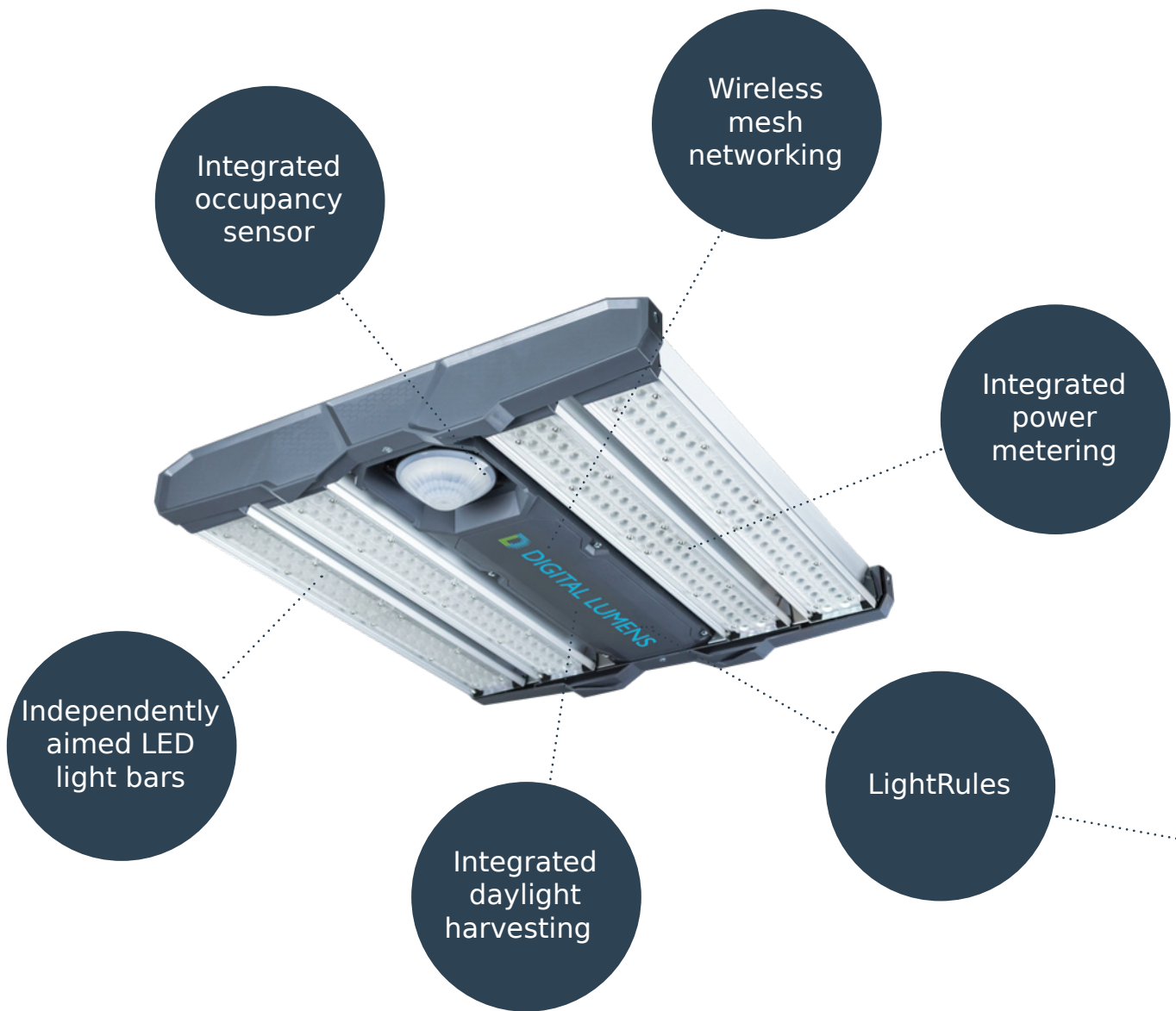
Designed for Digital Lumens' DLE fixtures, LightRules software and battery backup hardware safeguard employees through Automated Life-Safety testing and reporting. It delivers a UL and CE-compliant emergency lighting system with fully dynamic, system-wide monthly / annual testing and easy-to-access results for all tests to provide quick, accurate confirmation of compliance.

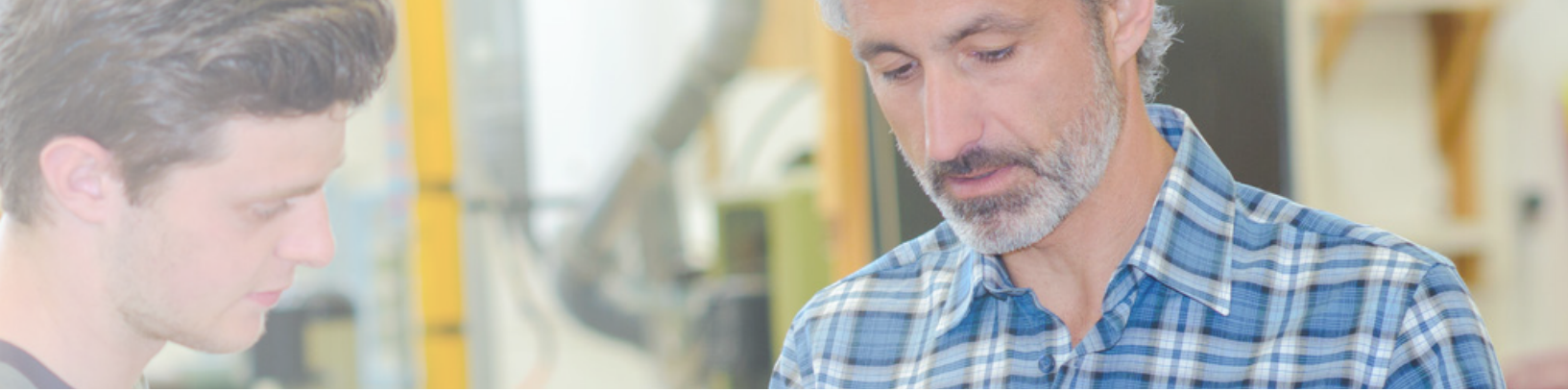
With a Digital Lumens system from Molex you can say 'goodbye' to the expensive, disruptive process of regular manual testing of individual fixtures.

“Lighting is in every place your people and production assets are...”

FUTURE-FOCUSED > TODAY

What makes a luminaire Intelligent?





Create a new network of building intelligence

The Digital Lumens system from Molex provides intelligent LED fixtures and multi-strategy controls that can deliver energy savings of up to 93%. This is a great step towards a greener, more profitable business - but the opportunity is greater than that.

Our systems and sensors integrate seamlessly with a building's energy, IT and power infrastructure to gather and process utilisation data and create intelligence where there was previously none. This means that facility and operations managers will, for the first time, gain access to operational insight that allows your organisation to understand how your building is *actually* being used (you might be surprised!) and influence productivity, engagement and safety, like never before.

Digital Lumens occupancy heatmaps provide detailed insights into facility traffic so you can optimise resource placement, create safe walkways and specify emergency exit routes based on hard data, rather than anecdotal evidence.

With electrical sub-metering, Digital Lumens enables you to understand how non-lighting equipment is actually used so you can break down costs, maximise utilisation and predict maintenance issues.

Digital Lumens provides energy usage information to Building Management Systems, so you can track and adjust consumption to drive even greater energy savings. Most importantly, Digital Lumens ensures that your employees are always engaged, safe and secure.

LightRules lets you adjust the system to meet your needs over the next decade and beyond.



Connected Enterprise Solutions >

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