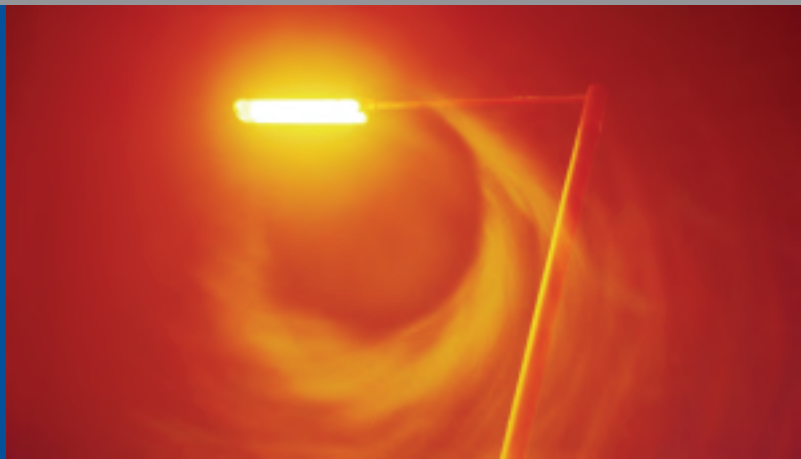


Vizion<sup>®</sup>

Intelligent Street Lighting Management System

THE SMARTER  
STREET LIGHTING  
MANAGEMENT SYSTEM  
  
OPERATIONAL REVIEW



UP TO 40% ENERGY REDUCTION

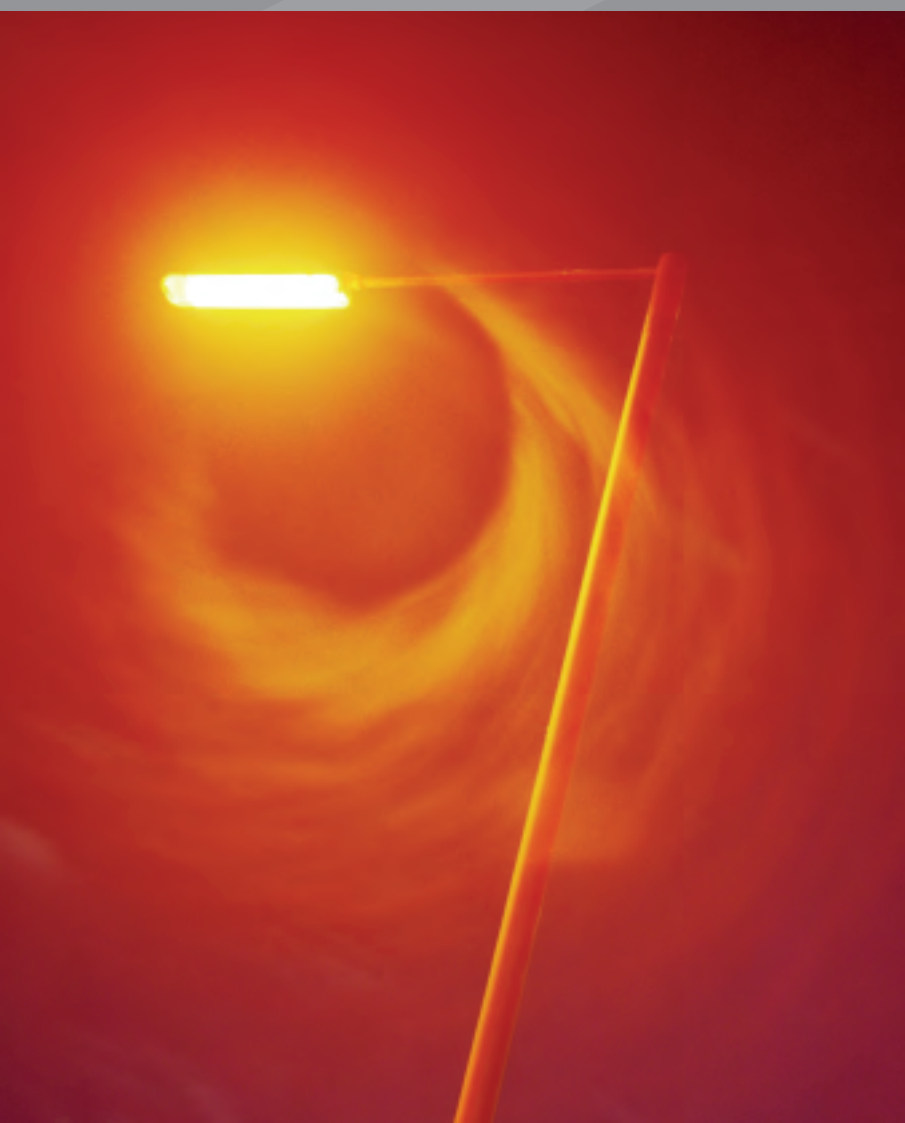
CO<sub>2</sub> EMISSIONS CUT

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# IMPROVED ENERGY MANAGEMENT, IMPROVED OPERATIONAL EFFICIENCY, IMPROVED FAULT DIAGNOSIS AND REPORTING

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**Utilising advanced wireless technology to give you unparalleled control of your street lighting, the Vizion Intelligent Management System delivers significant environmental, operational and cost benefits.**



The web-based Vizion Management System operates remotely, from a fully-managed web server, by utilising the newly-developed CMS protocol WIMAC<sup>®68</sup>. A key feature of the system is the two-way communication it provides with each lighting fixture. This ensures an extremely accurate central management and reporting regime covering fault identification, lamp status, performance data, predictive maintenance and energy usage per lighting unit.

By giving the lighting engineer such control over the whole network, and such detailed, current information, Vizion allows lighting levels to be managed more effectively and significant energy savings to be made.

## UP TO 40% ENERGY REDUCTION

By ensuring precise switching times and appropriate variable lighting levels, and then alerting you immediately to any fixture operating outside defined parameters, Vizion delivers maximum operational efficiency across your network. This could save you up to 40% energy consumption per unit.

## DOWNTIME REDUCED

Thanks to Vizion's management and reporting regime, any lighting malfunction can be identified and corrected immediately.

## CO<sub>2</sub> EMISSIONS CUT

By ensuring lights are operating at maximum efficiency and appropriate variable lighting levels, Vizion helps to minimise CO<sub>2</sub> emissions and reduce your carbon footprint.



0%



50%



75%



100%



On, dim and off programmes for each individual lamp



### THE COMPLETE SCALEABLE INTEROPERABLE SOLUTION

With its utilisation of the CMS protocol WIMAC<sup>868</sup> the Vizion Central Management System has the benefit of interoperability with other suppliers of WIMAC<sup>868</sup> enabled equipment. WIMAC<sup>868</sup> is also highly scalable, allowing everything from a very small installation to one with over 200,000 nodes. This provides peace of mind as the interoperability and scalability of WIMAC<sup>868</sup> assures continued multi-vendor participation across the largest of cities or countries into the future.

### NEMA FLEXIBILITY

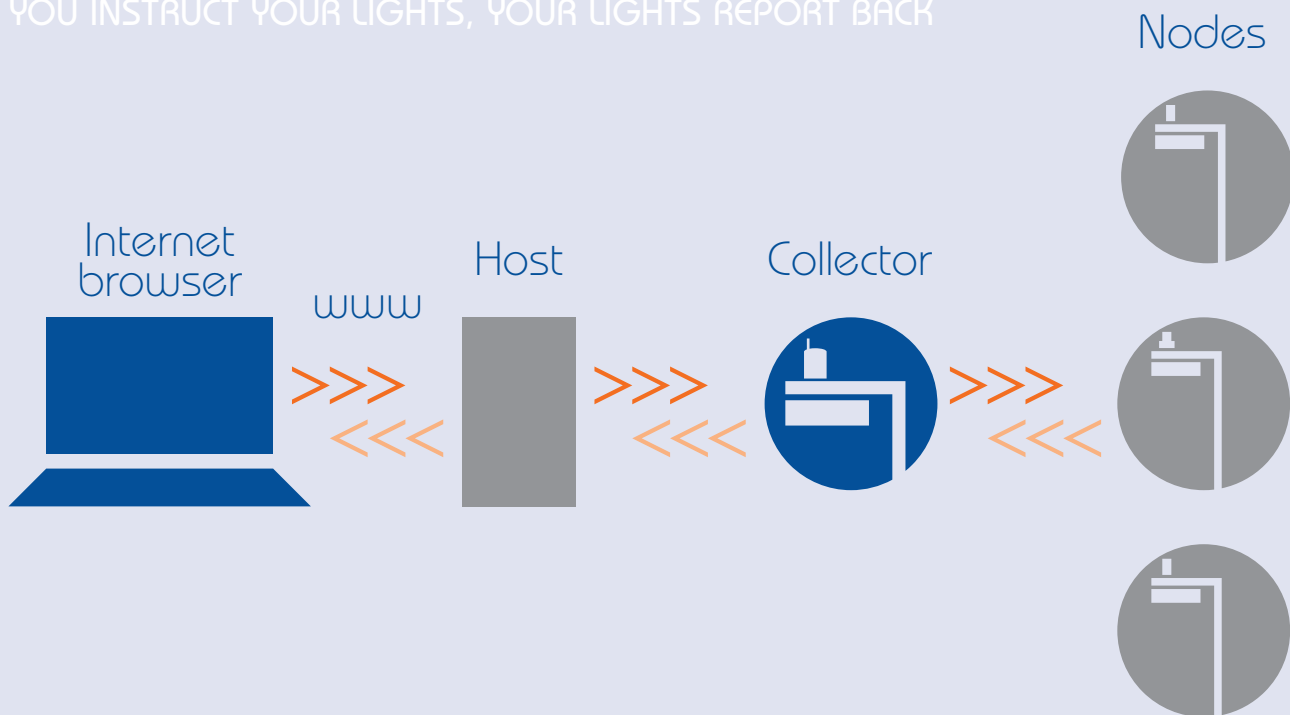
The flexibility of the NEMA node fitting allows fast and efficient roll-out for both new and existing installations.

# HOW THE VIZION SYSTEM WORKS AND WHAT YOU NEED TO OPERATE IT

Vizion is a secure web-based password-controlled system. To operate it, you need an internet browser to allow web access to the Host.

On, dim and off programmes are transmitted to each individual lamp from the browser via the Host, which then relays information to a collector. Acting as an interface, the collector in turn sends instructions to the nodes, which are linked to an electronic ballast. The nodes then send data back to the Host via the collector.

YOU INSTRUCT YOUR LIGHTS, YOUR LIGHTS REPORT BACK



## Two-way communication

The Vizion Intelligent Management System gives you in effect two-way communication with your lighting fixtures – you instruct them via an internet browser, they report back. The browser could be running anywhere in the world (if you wanted, you could sit on the beach in the Bahamas with your laptop and adjust the street lights in Bolton).

Because the system alerts you immediately to any deviation from defined parameters whilst optimising your network's switching regime, Vizion could save you up to 40% energy consumption per unit. Your CO<sub>2</sub> emissions are cut and, with any malfunction identified and corrected right away, downtime is reduced.

Simple, smart and extremely flexible, Vizion gives you the tools to control your street lighting with unparalleled precision, in the process improving your energy management and operational efficiency.

# THE ELEMENTS THAT MAKE UP THE SYSTEM



BALLAST NODE



Making up the Vizion system are:

- > ZEBC Series Smart Electronic Ballast
- > Collector Two-Way Interactive Manager
- > Choice of Nodes (Ballast Node Integrating Link/NEMA Nodes)

Operated through an internet browser that allows web access to the Host, these elements provide you with a complete Vizion Management System that can help you achieve significant energy and cost savings.

The ZEBC Smart Electronic Ballast can also be used as a stand-alone unit that can be incorporated later into a full Vizion Management System. As a stand-alone unit it delivers exceptional technical performance.

*A separate technical data sheet gives full details of each element.*



NEMA NODE



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Intelligent Street Lighting Management System

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