

Wireless Railway Lighting Controls



Enhancing Railway lighting solutions through Tridonic's basicDIM Wireless Outdoor Node.

Tridonic is dedicated to providing control solutions that are both comprehensive and user-friendly. In our expertise, a frequently overlooked application is railway lighting.

Railway lighting control is made seamless with the BDW OTD node, coupled with the incorporation of diverse sensors within the BDW ecosystem. This strategy ensures energy efficiency and full command, all accessible through your smartphone or tablet.

Features and benefits:

Wireless Control

Simple control via mobile devices or wireless switches.

Easy Installation

Zhaga book 18 socket for simple, all-weather installation (IP67).

Versatile Control

With the range of over 150m node to node, this enables you to manage single fixture to whole mast with multiple fixtures.

Custom Scenes & Controls

Utilise the inbuilt photocell to initiate the dusk to dawn energy saving feature from the BDW OTD node switch groups and scenes to control different lighting levels for different sections along the railway platform.

BDW Product Ecosystem

Utilise the Zhaga book 18 sockets with Tridonic's P sensor and BDW ecosystem to provide energy savings without compromising on safety for your railway stations.



Product description

- _ Can be integrated in Casambi systems (Casambi Ready).
- _ Wireless controllable with an Android / iOS smart device.
- _ No need for an external gateway device.
- _ Forms automatically a wireless communication network with up to 250 nodes.
- _ Digital output to control IEC 62386 compatible drivers.
- _ Supplied via IEC 62386 compatible power supply.
- _ Support for Tridonic PSensor and MSensor.
- _ Ready for Zhaga book 18 receptacle for easy and flexible installation to luminaire.
- _ Device firmware can be updated over-the-air.
- _ Can be used as repeater to extend the coverage of the wireless signal.
- _ Lifetime up to 100,000 h at $t_c = 72^\circ\text{C}$.
- _ 5 year guarantee (conditions at www.tridonic.com)