

WixLi Zhaga™ is a low-profile, high performance node fitted for any luminaire equipped with Zhaga 18 socket. Compliant with DALI-1 and DALI-2 driver interface, WixLi Zhaga™ is available in ZigBee wireless interface.

## FEATURES

- Integrated LED's (power / data)
- Integrated GNSS receiver
- Optimized antenna design for LED luminaire
- 1x dry-contact input
- Manage up to 6 DALI drivers per mast
- OTA diagnostic and programming
- Fail safe mode
- Calculated energy log (P, U, I, power factor)



## BENEFITS

- Visual check during node installation
- Monitor activation / time-synchronisation
- Up to 250m line-of-sight
- Add a sensor such as activity or motion
- Cost-effective
- Reduce maintenance cost
- Light switch ON in case of failure
- Monitor luminaire's LED efficiency

## APPLICATIONS



Street lights



Parking lots



Factory / Warehouse



Pedestrian crossing



**WixLi**  
*Vision*

WixLi Vision is a web application designed to install, monitor and update WixLi controllers. Using WixLi Vision, customer is able to program WixLi controller parameters such as time, daylight, sensors activity and dim control. Once set-up, your wireless luminaires network is working in an autonomous way. The gateway enables luminaires diagnostic and reports energy consumptions, LED's burning hours and electrical parameters. WixLi Vision is available as a secured server hosted by Nexiode or as a server hosted on customer's premise.

## Technical specifications

<b>Input voltage</b>	- 24Vdc via DALI interface compatible with Philips SR™ - Compatible with DiiA and D4i standard	<b>Localisation</b>	GPS/GLONASS/Galileo/QZSS Sensitivity -165dBm (tracking) TTFF 28sec (cold start) Accuracy 2.5m CEP
<b>Control interface</b>	Control up to 6 drivers: - DALI-2: Philips Xitanium SR™ - DALI: Integrated 8mA	<b>Electrical measurements</b>	Dimming level, cumulated active energy, active power, power factor, current, voltage, burning hours, failure indicators
<b>Wireless technology</b>	ZigBee IEEE 802.15.4	<b>Firmware update</b>	OTA (over the air)
<b>Operating temperature</b>	-30°C ~ +80°C		
<b>RF frequency</b>	ZigBee 2.4 GHz		
<b>RF power</b>	ZigBee max. 8dBm		
<b>RF sensibility</b>	ZigBee -100dBm		
<b>RF range</b>	Point-to-point up to 250m line-of-sight with ZigBee mesh		
<b>Standby power</b>	<1W		
<b>Sensor input</b>	Dry contact		
<b>MTBF</b>	150.000 hours		
<b>Led status indicator</b>	Power and network		

## Certifications & approvals

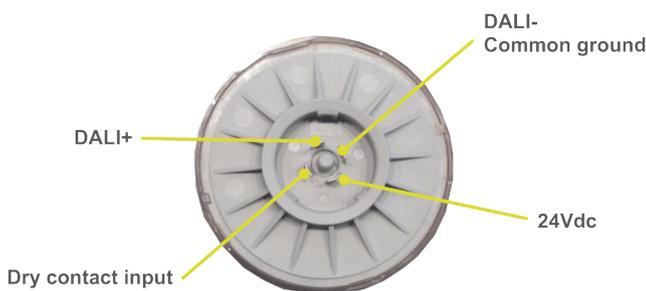
<b>Certification</b>	CE certified
<b>Radio approval</b>	EN300328
<b>Protocol approval</b>	EN62386-103 (DALI)
<b>EMC approval</b>	EN301489-1 & EN301489-3 EN61000-4-5 EN62479
<b>ESD approval</b>	IEC 61000-4-2
<b>Electric safety</b>	EN60950-1 EN 61347-2-11:2001

## Mechanical specifications

<b>Connectivity</b>	As per Zhaga book 18 standard
<b>Mounting</b>	Flexible: upward or downward position
<b>Height</b>	40mm
<b>Diameter</b>	Ø80mm
<b>Ingress protection</b>	IP65 / IP66 when mounted on luminaire
<b>Mechanical impact</b>	IK09

## Electrical specifications

<b>Contact rating</b>	1.5A, 30V (24V typical)
<b>Dielectric withstand voltage to mounting surface</b>	Meets 10kV
<b>Pin assignment</b>	Pin 1: 24Vdc Pin 2: DALI (or DALI based protocol) – / common ground Pin 3: DALI (or DALI based protocol) + Pin 4: Dry contact input



Part Number Order :WNZH100