

# DEKRA Certification B.V.

## One stop Zhaga – D4i

Jaap Nuesink, BDM

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# What we do – service portfolio



## SAFETY TESTING

## EMC & WIRELESS TESTING

## CERTIFICATION

## ADDED VALUE

- Electric & electronic safety
- Medium & high voltage safety
- Quality & performance
- Software
- Functional safety
- Explosive environments
- Material, mechanical, and chemical
- Photometry
- Reliability & failure analysis
- Usability
- EV testing

- Electro Magnetic Compatibility (EMC)
- Radio Frequency (RF)
- Wireless & Mobile
- Conformance
- Interoperability
- Carriers acceptance testing
- Field (usability) testing
- Cyber security evaluation
- Connected and automated driving

- Wide range of product certification services and certification marks
- Factory and shipping audits & inspection services
- International type approval
- International market access
- Medical, Explosion Safety, and other Notified Body services
- Cyber Security Certification

- Objective guidance during product development and innovation
- Regulatory and compliance guidance
- Education and knowledge sharing
- Solution bundles
- Software solutions

# Control gear, Application controllers, Input devices, Bus power supplies, AUX power supplies

Certification:



Membership requirements:

- DALI Alliance (DiiA) Associate or regular member

Certification logo use:

- Only after the product is publicly visible listed on the DiiA website

Certification process:

- Testing by test house or DiiA member
- Submit test results to DiiA certification manager
- DiiA lists product on website

# Base plate, Receptacle, Cap

Certification:



Membership requirements:

- Zhaga associate or regular membership

Certification logo use:

- Only after the product is publicly visible listed on the Zhaga website

Certification process:

- Testing by Accredited Test Center
- Test center will list the product on the Zhaga website

Certification:



Membership requirements:

- DALI Alliance (DiiA) Associate or regular member

Certification logo use:

- Only after the product is publicly visible listed on the DiiA website

Certification process:

- Testing by test house or DiiA member
- Submit test results to DiiA certification manager
- DiiA lists product on website

Certification:



Membership requirements:

- Zhaga associate or regular membership

Certification logo use:

- Only after the product is publicly visible listed on the Zhaga website

Certification process:

- Testing by Accredited Test Center
- Test center will list the product on the Zhaga website

Certification:



Membership requirements:

- Zhaga Associate or regular membership
- DALI Alliance (DiiA) Associate or regular member

Certification logo use:

- Only after the product is publicly visible listed on the DiiA and Zhaga website

Certification process:

- D4i part; Testing by test house or DiiA member
- DiiA lists product on website
- Zhaga part; Testing by Accredited Test Center
- Test center will list the product on the Zhaga website

# Certification process



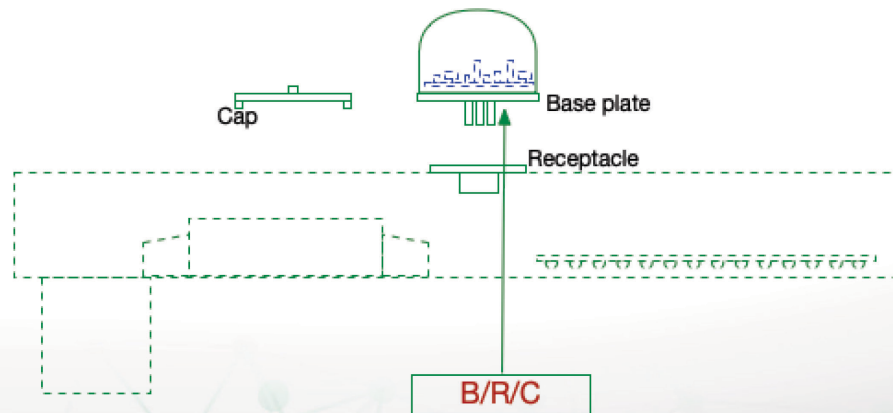
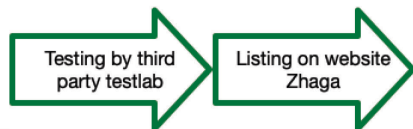
Receptacle, Base plate, Cap

- Zhaga
  - Testing and certification by accredited test house

Applicant

Test lab

Association





# Certification process



## LED Drivers

- D4i Option 1
  - Self testing by customer
  - Request certification by DiiA
- D4i Option 2
  - Testing by accredited test house
  - Request certification by DiiA



# Certification process



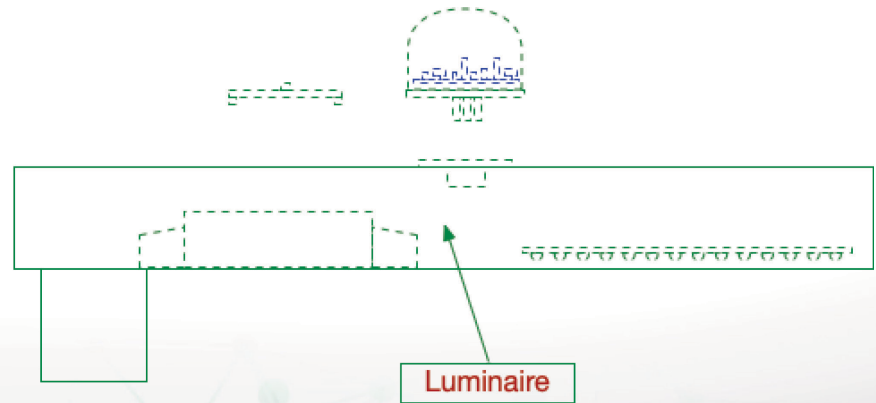
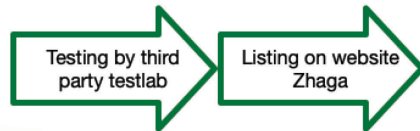
## Luminaires

- Zhaga-D4i
  - Testing and certification by accredited test house

Applicant

Test lab

Association





# Certification process

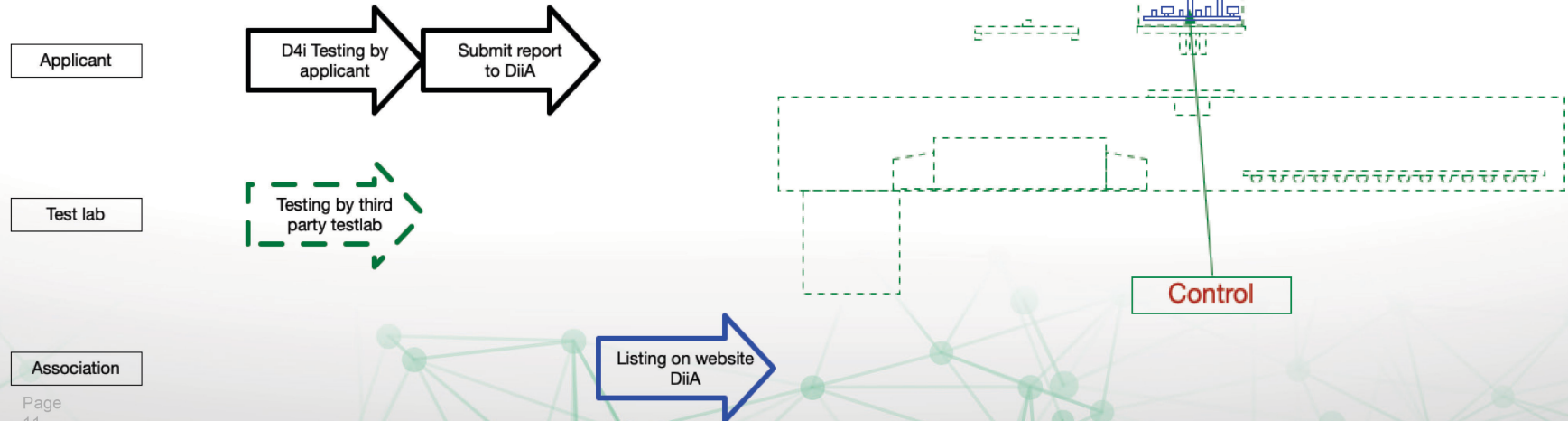
## Control devices

### D4i Option 1

- Self testing by customer
- Request certification by DiiA

### D4i Option 2

- Testing by accredited test house
- Request certification by DiiA

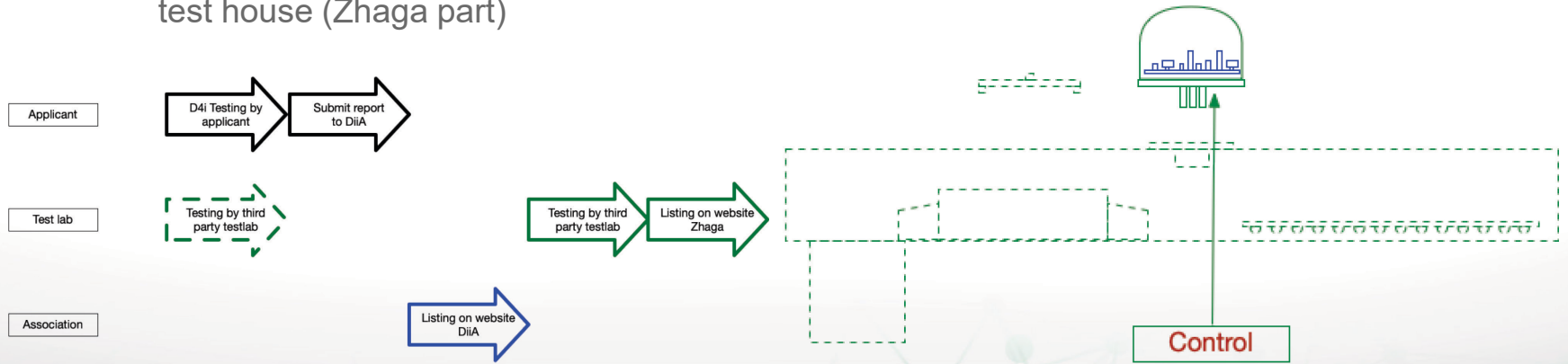


# Certification process



## Control devices

- Zhaga - D4i Option 1
  - Self testing by customer (D4i part)
  - Request certification by DiiA
  - Testing and certification by accredited test house (Zhaga part)
- D4i Option 2
  - Testing by accredited test house
  - Request certification by DiiA



More information?



DEKRA Certification B.V.  
Jacob Nuesink  
[Jacob.Nuesink@dekra.com](mailto:Jacob.Nuesink@dekra.com)  
+31 88 96 83375  
[www.dekra-product-safety.com](http://www.dekra-product-safety.com)



Thank you!