

# CERTIFICATE

Issued to:  
Applicant:  
**ZALUX S.A.**  
Avda. Manuel Rodriguez Ayuso 114 Centro  
Empresarial Miralbueno, Planta 1a, Local P-2  
50012 Zaragoza, Spain

Licensee:  
**ZALUX S.A.**  
Avda. Manuel Rodriguez Ayuso 114 Centro  
Empresarial Miralbueno, Planta 1a, Local P-2  
50012 Zaragoza, Spain

Product : Fixed luminaires with LED and limited surface temperature  
Trade name(s) : ZALUX  
Type(s)/model(s) : DHE ..., DST..., DSTP...

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN IEC 60598-2-1:2021 and EN 60598-2-24:2013
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2198728

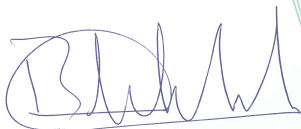
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

This certificate is issued on 25 September 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-146111

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



S. Lehner  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Fixed luminaires with LED and limited surface temperature
Trade name(s)	: ZALUX
Type(s)/model(s)	: DHE 1.2 32-840 ETDD x y z #, DHE 1.2 32-840 ET x y z #, DHE 1.2 40-840 ETDD x y z CG #, DHE 1.2 40-840 ET x y z CG #, DHE 1.5 60-840 ETDD x y z CG #, DHE 1.5 60-840 ET x y z CG #, DHE 1.5 80-840 ETDD x y z CG #, DHE 1.5 80-840 ET x y z CG #, DSTP 1.2 40-840 ETDD x y IX-U #, DSTP 1.2 40-840 ET x y IX-U #, DSTP 1.2 40-840 ET x y z #, DSTP 1.5 60-840 ETDD x y IX-U #, DSTP 1.5 60-840 ET x y IX-U #, DSTP 1.5 60-840 ET x y z #, DST 1.2 40-840 ET x y PA-U #, DST 1.2 40-840 ET x y z #, DST 1.5 60-840 ET x y PA-U # and DST 1.5 60-840 ET x y z #
Rated voltage	: 220-240 V
Rated frequency	: 0/50-60Hz (DHE..., DSTP...) or 50-60Hz (DST...)
Electrical protection class	: class I
Degree of protection	: IP66
Colour temperature	: 4000 K
Description	: luminaires with limited surface temperatures: suitable for use in areas where the deposition of conductive dust is expected

**Product data – type DHE 1.2 32-840 ET x y z #, DHE 1.2 32-840 ETDD x y z #, DHE 1.2 40-840 ET x y z CG # and DHE 1.2 40-840 ETDD x y z CG #**

Rated input power	: 25 W
Ambient temperature (ta)	: -25°C...+50 °C (without through wiring) -25°C...+45 °C (with through wiring 3x1.5 or 5x1.5) -25°C...+35 °C (with through wiring 5x2.5)

**Product data – type DHE 1.5 60-840 ET x y z CG # and DHE 1.5 60-840 ETDD x y z CG #**

Rated input power	: 37 W
Ambient temperature (ta)	: -25°C...+50 °C (without through wiring) -25°C...+45 °C (with through wiring 3x1.5 or 5x1.5) -25°C...+35 °C (with through wiring 5x2.5)

**Product data – type DHE 1.5 80-840 ET x y z CG # and DHE 1.5 80-840 ETDD x y z CG #**

Rated input power	: 51 W
Ambient temperature (ta)	: -25°C...+50 °C (without through wiring) -25°C...+45 °C (with through wiring 3x1.5 or 5x1.5) -25°C...+35 °C (with through wiring 5x2.5)

**Product data – type DST 1.2 40-840 ET x y PA-U # and DST 1.2 40-840 ET x y z #**

Rated input power	: 32 W
Ambient temperature (ta)	: 25°C

**Product data – type DST 1.5 60-840 ET x y PA-U # and DST 1.5 60-840 ET x y z #**

Rated input power	: 47 W
Ambient temperature (ta)	: 25°C

**Product data – type DSTP 1.2 40-840 ET x y IX-U # and DSTP 1.2 40-840 ETDD x y IX-U #**

Rated input power : 28 W  
Ambient temperature (ta) : -25°C...+40 °C (without through wiring)  
-25°C...+35 °C (with through wiring)

**Product data – type DSTP 1.2 40-840 ET x y z #**

Rated input power : 30 W  
Ambient temperature (ta) : -25°C...+35°C

**Product data – type DSTP 1.5 60-840 ET x y IX-U # and DSTP 1.5 60-840 ETDD x y IX-U #**

Rated input power : 42 W  
Ambient temperature (ta) : -25°C...+40 °C (without through wiring)  
-25°C...+35 °C (with through wiring)

**Product data – type DSTP 1.5 60-840 ET x y z #**

Rated input power : 46 W  
Ambient temperature (ta) : -25°C...+35°C

**TESTS****Test requirements**

EN IEC 60598-1:2021  
EN IEC 60598-1:2021/A11:2022  
EN IEC 60598-2-1:2021  
EN 60598-2-24:2013

**Test result**

The test results are documented in DEKRA test file 343349800.

**Additional information**

- supply connection: screwless terminal
  - with certified built-in electronic control gear
  - with certified LED modules as non-user-replaceable light source
  - for surface mounting or suspended mounting
  - types with through wiring: max. 10 A for 1,5 mm<sup>2</sup> or max. 16 A for 2,5 mm<sup>2</sup>
  - Glow wire with 850°C for PC cover of luminaires
  - IK08 for luminaires with PC cover when using theft protection
- The IK-code was tested according to IEC TR 62696:2011 (with reference to EN 62262:2002 + A1:2021).

**Abbreviations in type designation:**

- x Marking for material of housing: PC or SMC
- y Marking for material of cover: DPC (PC) or DPM (PMMA)
- z Marking for material of mounting clip: PA or INOX / IX
- # Marking for through wiring: blank or 3x1.5 or 5x1.5 or 5x2.5
- U Marking for undismountable clips / Luminaire without internal diffusor

This certificate replaces certificate No. 88-119302 which we hereby declare invalid.

The list of components is laid down in test report 3433498.50.

**Conclusion**

The examination has confirmed that all requirements were met.

**Factory location**

Zalux S.A.  
Avenida Aragon 54  
50230 Alhama De Aragon, Spain