

# CERTIFICATE

Issued to:  
 Applicant:  
**ZALUX S.A.**  
 Avda. Manuel Rodríguez Ayuso, 114  
 Centro Empresarial Miralbueno, Planta 1a Local P2  
 50012 Zaragoza, Spain

Licensee:  
**ZALUX S.A.**  
 Avda. Manuel Rodríguez Ayuso, 114  
 Centro Empresarial Miralbueno, Planta 1a Local P2  
 50012 Zaragoza, Spain

Product : Fixed luminaires with LED and limited surface temperature  
 Trade name(s) : ZALUX  
 Type(s)/model(s) : DHE 1.2 41-840 ET x y z CG, DHE 1.2 41-840 ET x y z CG #,  
 DHE 1.5 61-840 ET x y z CG, DHE 1.5 61-840 ET x y z CG #,  
 DHE 1.5 82-840 ET x y z CG, DHE 1.5 82-840 ET x y z CG #,  
 DSTP 1.2 40-840 ET x y z, DSTP 1.2 40-840 ET x y z #,  
 DSTP 1.5 60-840 ET x y z, DSTP 1.5 60-840 ET x y z #,  
 DST 1.2 38-840 ET x y z, DST 1.2 38-840 ET x y z #, DST 1.5 58-840 ET x y z  
 and DST 1.5 58-840 ET x y z #

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

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

- a type test according to the standard EN 60598-1:2015, EN 60598-1:2015/A1:2018, EN 60598-2-1:1989 and EN 60598-2-24:2013
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a 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 of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 23 October 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-105968

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
 Managing Director



Susan Lehner  
 Certification Manager

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ACCREDITED BY THE  
 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 41-840 ET x y z CG, DHE 1.2 41-840 ET x y z CG #, DHE 1.5 61-840 ET x y z CG, DHE 1.5 61-840 ET x y z CG #, DHE 1.5 82-840 ET x y z CG, DHE 1.5 82-840 ET x y z CG #, DSTP 1.2 40-840 ET x y z, DSTP 1.2 40-840 ET x y z #, DSTP 1.5 60-840 ET x y z, DSTP 1.5 60-840 ET x y z #, DST 1.2 38-840 ET x y z, DST 1.2 38-840 ET x y z #, DST 1.5 58-840 ET x y z and DST 1.5 58-840 ET x y z #
Rated voltage	: 230-240 Vac
Rated frequency	: 50-60 Hz
Class	: I
Degree of protection	: IP66
Colour temperature	: 4000 K
Ambient temperature (ta)	: 25 °C
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 41-840 ET x y z CG and DHE 1.2 41-840 ET x y z CG #**

Rated input power : 29 W

**Product data – type DHE 1.5 61-840 ET x y z CG and DHE 1.5 61-840 ET x y z CG #**

Rated input power : 44 W

**Product data – type DHE 1.5 82-840 ET x y z CG and DHE 1.5 82-840 ET x y z CG #**

Rated input power : 53 W

**Product data – type DST 1.2 38-840 ET x y z and DST 1.2 38-840 ET x y z #**

Rated input power : 32 W

**Product data – type DST 1.5 58-840 ET x y z and DST 1.5 58-840 ET x y z #**

Rated input power : 47 W

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

Rated input power : 38 W

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

Rated input power : 52 W

**TESTS****Test requirements**

EN 60598-1:2015

EN 60598-1:2015/A1:2018

EN 60598-2-1:1989

EN 60598-2-24:2013



**Test result**

The test results are laid down in DEKRA test file 340920500.

**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. 10A

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: 3x1.5 or 5x1.5

The list of components is laid down at test report 3409205.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

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