

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 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(s) 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 factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2198728

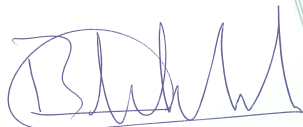
DEKRA hereby grants the right to use the ENEC certification mark.

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 24 June 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-119302

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



M. Triulzi
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 40-840 ETDD x y z CG, DHE 1.2 40-840 ETDD x y z CG #, DHE 1.2 40-840 ET x y z CG #, DHE 1.2 40-840 ET x y z CG #, DHE 1.5 100-840 ETDD x y z CG, DHE 1.5 100-840 ETDD x y z CG #, DHE 1.5 100-840 ET x y z CG, DHE 1.5 100-840 ET x y z CG #, DHE 1.5 60-840 ETDD 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 60-840 ET x y z CG #, DHE 1.5 80-840 ETDD x y z CG, DHE 1.5 80-840 ETDD x y z CG #, DHE 1.5 80-840 ET 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 ETDD x y IX-U #, DSTP 1.2 40-840 ET x y IX-U, DSTP 1.2 40-840 ET x y IX-U #, DSTP 1.2 40-840 ET x y z, DSTP 1.2 40-840 ET x y z #, DSTP 1.5 60-840 ETDD x y IX-U, 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 IX-U #, DSTP 1.5 60-840 ET x y z, 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 PA-U #, DST 1.2 40-840 ET x y z, DST 1.2 40-840 ET x y z #, DST 1.5 60-840 ET x y PA-U, DST 1.5 60-840 ET x y PA-U #, DST 1.5 60-840 ET x y z 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...)
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 40-840 ET x y z CG, DHE 1.2 40-840 ET x y z CG #, DHE 1.2 40-840 ETDD 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 1.5 100-840 ET x y z CG, DHE 1.5 100-840 ET x y z CG #, DHE 1.5 100-840 ETDD x y z CG and DHE 1.5 100-840 ETDD x y z CG #

Rated input power	: 59 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, DHE 1.5 60-840 ET x y z CG #, DHE 1.5 60-840 ETDD x y z CG and DHE 1.5 60-840 ETDD x y z CG #

Rated input power	: 37 W
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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, DHE 1.5 80-840 ET x y z CG #,
DHE 1.5 80-840 ETDD 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, DST 1.2 40-840 ET x y PA-U #,
DST 1.2 40-840 ET x y z 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, DST 1.5 60-840 ET x y PA-U #,
DST 1.5 60-840 ET x y z 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, DSTP 1.2 40-840 ET x y IX-U #,
DSTP 1.2 40-840 ETDD 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 : 34 W
Ambient temperature (ta) : -25°C...+40°C

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, DSTP 1.5 60-840 ET x y IX-U #,
DSTP 1.5 60-840 ETDD 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 : 47 W
Ambient temperature (ta) : -25°C...+40°C

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 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 342105400.

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 or max. 16 A for 2,5
- Glow wire with 850°C for PC cover of luminaires
- IK08 for luminaires with PC cover when using theft protection according to IEC TR 62696:2011 (Luminaires - Application of the IK code IEC 62262)

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 or 5x2,5
- U Marking for undismountable clips / Luminaire without internal diffuser

This certificate replaces certificate No. 88-112693 which we hereby declare invalid.

The list of components is laid down in test report 3421054.50.

Conclusion

The examination proved that all requirements were met.

Factory location

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