

# 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) : BST..., BSTP..., BHE..., BHE+...

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 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

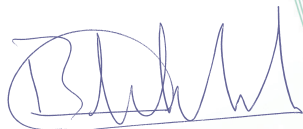
DEKRA hereby grants the right to use the ENEC certification mark.

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 26 January 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-152964

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



Miranda Zhou  
Certification Manager

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

Product	: Fixed luminaires with LED and limited surface temperature
Trade name(s)	: ZALUX
Type(s)/model(s)	: BHE+ 0.6 20-840 ET BPC, BHE+ 1.2 40-840 ETDD BPC z, BHE+ 1.2 40-840 ET BPC z, BHE+ 1.5 60-840 ETDD BPC z, BHE+ 1.5 60-840 ET BPC z, BHE 0.6 20-840 ET BPC, BHE 1.2 40-840 ETDD BPC z, BHE 1.2 40-840 ETDD BPC z .LUN, BHE 1.2 40-840 ET BPC z, BHE 1.2 40-840 ET BPC z .LUN, BHE 1.5 60-840 ETDD BPC z, BHE 1.5 60-840 ETDD BPC z .LUN, BHE 1.5 60-840 ET BPC z, BHE 1.5 60-840 ET BPC z .LUN, BHE 69K 1.2 40-840 ETDD BPM 3m z, BHE 69K 1.2 40-840 ET BPM 3m z, BHE 69K 1.5 60-840 ETDD BPM 3m z, BHE 69K 1.5 60-840 ET BPM 3m z, BSTP 0.6 20-840 ETDD BPC z, BSTP 0.6 20-840 ET BPC z, BSTP 1.2 40-8** ETDD BPC z, BSTP 1.2 40-8** ETDD BPC z .LUN, BSTP 1.2 40-8** ET BPC z, BSTP 1.2 40-8** ET BPC z .LUN, BSTP 1.5 40-840 ETDD BPC z, BSTP 1.5 40-840 ET BPC z, BSTP 1.5 57-8** ETDD BPC z, BSTP 1.5 57-8** ETDD BPC z .LUN, BSTP 1.5 57-8** ET BPC z, BSTP 1.5 57-8** ET BPC z .LUN, BSTP 1.5 60-8** ETDD BPC z, BSTP 1.5 60-8** ET BPC, BSTP 69K 1.2 40-840 ETDD BPM 3m z, BSTP 69K 1.2 40-840 ET BPM 3m z, BSTP 69K 1.5 40-840 ETDD BPM 3m z, BSTP 69K 1.5 40-840 ET BPM 3m z, BSTP 69K 1.5 60-840 ETDD BPM 3m z, BSTP 69K 1.5 60-840 ET BPM 3m z, BST 1.2 37-840 ET BPC z, BST 1.5 37-840 ET BPC z and BST 1.5 55-840 ET BPC z
Rated voltage	: 220-240 V
Rated frequency	: 50-60Hz (BST...) or 0/50-60Hz (BSTP..., BHE..., BHE+...)
Electrical protection class	: Class I
Description	: luminaires with limited surface temperatures: suitable for use in areas where the deposition of conductive dust is expected

**Product data – type BHE 0.6 20-840 ET BPC**

Rated input power	: 16 W
Ambient temperature (ta)	: 25°C
Degree of protection	: IP66
Colour temperature	: 4000K

**Product data – type BHE 1.2 40-840 ET BPC z, BHE 1.2 40-840 ET BPC z .LUN, BHE 1.2 40-840 ETDD BPC z and BHE 1.2 40-840 ETDD BPC z .LUN**

Rated input power	: 29 W
Ambient temperature (ta)	: 25°C
Degree of protection	: IP66
Colour temperature	: 4000K

**Product data – type BHE 1.5 60-840 ET BPC z, BHE 1.5 60-840 ET BPC z . LUN, BHE 1.5 60-840 ETDD BPC z and BHE 1.5 60-840 ETDD BPC z. LUN**

Rated input power : 44 W  
Ambient temperature (ta) : 25°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BHE 69K 1.2 40-840 ET BPM 3m z and BHE 69K 1.2 40-840 ETDD BPM 3m z**

Rated input power : 29 W  
Ambient temperature (ta) : 25°C  
Degree of protection : IP69(80°C)  
Colour temperature : 4000K

**Product data – type BHE 69K 1.5 60-840 ET BPM 3m z and BHE 69K 1.5 60-840 ETDD BPM 3m z**

Rated input power : 44 W  
Ambient temperature (ta) : 25°C  
Degree of protection : IP69(80°C)  
Colour temperature : 4000K

**Product data – type BHE+ 0.6 20-840 ET BPC**

Rated input power : 15 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BHE+ 1.2 40-840 ET BPC z and BHE+ 1.2 40-840 ETDD BPC z**

Rated input power : 27 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BHE+ 1.5 60-840 ET BPC z and BHE+ 1.5 60-840 ETDD BPC z**

Rated input power : 41 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BST 1.2 37-840 ET BPC z**

Rated input power : 33 W  
Ambient temperature (ta) : -20°C...+30°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BST 1.5 37-840 ET BPC z**

Rated input power : 33 W  
Ambient temperature (ta) : -20°C...+30°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BST 1.5 55-840 ET BPC z**

Rated input power : 49 W  
Ambient temperature (ta) : -20°C...+30°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BSTP 0.6 20-840 ET BPC z and BSTP 0.6 20-840 ETDD BPC z**

Rated input power : 17 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BSTP 1.2 40-8\*\* ET BPC z, BSTP 1.2 40-8\*\* ET BPC z .LUN, BSTP 1.2 40-8\*\* ETDD BPC z and BSTP 1.2 40-8\*\* ETDD BPC z .LUN**

Rated input power : 32 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K or 6500K

**Product data – type BSTP 1.5 40-840 ET BPC z and BSTP 1.5 40-840 ETDD BPC z**

Rated input power : 32 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K

**Product data – type BSTP 1.5 57-8\*\* ET BPC z, BSTP 1.5 57-8\*\* ET BPC z .LUN, BSTP 1.5 57-8\*\* ETDD BPC z and BSTP 1.5 57-8\*\* ETDD BPC z .LUN**

Rated input power : 51 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K or 6500K

**Product data – type BSTP 1.5 60-8\*\* ET BPC and BSTP 1.5 60-8\*\* ETDD BPC z**

Rated input power : 51 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP66  
Colour temperature : 4000K or 6500K

**Product data – type BSTP 69K 1.2 40-840 ET BPM 3m z and BSTP 69K 1.2 40-840 ETDD BPM 3m z**

Rated input power : 32 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP69(80°C)  
Colour temperature : 4000K

**Product data – type BSTP 69K 1.5 40-840 ET BPM 3m z and BSTP 69K 1.5 40-840 ETDD BPM 3m z**

Rated input power : 32 W  
Ambient temperature (ta) : -25°C...+35°C  
Degree of protection : IP69(80°C)  
Colour temperature : 4000K

**Product data – type BSTP 69K 1.5 60-840 ET BPM 3m z and BSTP 69K 1.5 60-840 ETDD BPM 3m z**

Rated input power	: 51 W
Ambient temperature (ta)	: -25°C...+35°C
Degree of protection	: IP69(80°C)
Colour temperature	: 4000K

**TESTS****Test requirements**

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

**Test result**

The test results are documented in DEKRA test file 343292600.

**Additional information**

- supply connection: screwless terminal or connecting tails (B...69K ... 3m...)
  - with certified built-in electronic control gear
  - with certified LED modules as non-replaceable light source
  - for surface mounting or suspended mounting
  - types with through wiring: max. 10A
  - luminaires with the abbreviation ETDD are dimmable
  - according to IEC TR 62778:2014 the luminaires are classified as Risk Group 0
  - IK10 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:**

BPC or BPM material of housing  
3m length of supply cord (only for types with IP69)  
z blank: for luminaires without through wiring  
3x1.5 or 5x1.5 for luminaires with through wiring

Additionally the requirements of EN IEC 60598-2-1:2021 are fulfilled.

This certificate replaces certificate No. 88-120053 which we hereby declare invalid.

The list of components is laid down in test report 3432926.50.

**Conclusion**

The examination has confirmed that all requirements were met.

**Factory location**

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50230 Alhama De Aragon, Spain