

CERTIFICATE

Issued to:
Applicant:
ABB B.V.
George Hintzenweg 81
3068 AX Rotterdam, Netherlands

Licensee:
ABB B.V.
George Hintzenweg 81
3068 AX Rotterdam, Netherlands

Product : Emergency luminaires with LED light source
Trade name(s) : EMERGI-LITE, KAUFEL or VAN LIEN
Type(s)/model(s) : SERENGA series

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 60598-2-22:2022, EN IEC 60598-1:2021 and EN IEC 60598-1:2021/A11:2022
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2220167

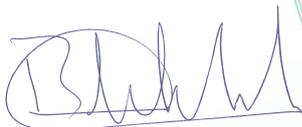
DEKRA hereby grants the right to use the ENEC certification mark.

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 28 July 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-117437 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Emergency luminaires with LED light source
Trade name(s)	: EMERGI-LITE, KAUFEL or VAN LIEN
Type(s)/model(s)	: SERENGA series
Rated voltage/nature of supply	: 230-240 Vac - self-contained 230-240 Vac/dc - centrally supplied 24 Vac/dc - centrally supplied
Rated input power	: 8,8 W
Rated frequency	: 50 Hz; DC
Ambient temperature range (ta)	: +5 °C...+35 °C
Classification	: Class II
Degree of protection against ingress of dust, solid objects and moisture	: IP20
Autonomy time	: 1h / 3h

TESTS**Test requirements**

EN IEC 60598-2-22:2022
EN IEC 60598-1:2021
EN IEC 60598-1:2021/A11:2022

Test result

The test results are documented in DEKRA test file 227731100.

Additional information

These luminaires contain a LED module which is in compliance with EN 62031:2020. (tested as part of the appliance).

These luminaires contain a LED driver which is in compliance with EN 61347-2-7:2012 + A1:2019 + A2:2022 in conjunction with EN 61347-1:2015 + A1:2021 (tested as part of the appliance).

This certificate replaces certificate No. 71-117437 which we hereby declare invalid.

The list of components is laid down in test report 2277311.55.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

ABB limited
Bruntcliff Lane
Leeds LS27 9LL, United Kingdom

Product range:

Tradename: VAN LIEN

SER-ED
SER-ED/MD
SER-ED/LB400
SER-ED/LB400/CIS
SER-EC
SER-EC/FLX
SER-EC/LTC
SER-EC/24
SER-FC
SER-FCX
SER-FO
SER-FOX
SER-FI
SER-FIX
SER-ED 3 UUR PRE-PACKED EMLITE
SER-ED/MD 3 UUR PRE-PACKED EMLITE
SER-EC PRE-PACKED EMLITE
SER-EC/LTC PRE-PACKED EMLITE

Tradename: EMERGI-LITE

SERENGA M3 CNTRL MODULE& BATT (SER-M3-003)
SERENGA M3 CNTRL MOD & BATT CT (CTSER-M3-003)
SERENGA CNTRL MODULE 230V 50Hz (SER-230-003)
SERENGA CNTRL MODULE LTC (SER-230LTC-003)
SERENGA SMART FRAME 2LED SS CP (SER-FB2)
SERENGA SMART FRAME 2LED DS CP (SER-FS2D)
SERENGA SMART FRAME 2LED DS NP (SER-FE2D)
SERENGA SMART FRAME 4LED SS CP (SER-FB4)
SERENGA SMART FRAME 4LED DS CP (SER-FS4D)
SERENGA SMART FRAME 4LED DS NP (SER-FE4D)
SER 2LED M3 CT SIGN ARR DN D-CP (CTSER-M3-FS2D)
SER 4LED M3 CT SIGN ARR DN D-CP (CTSER-M3-FS4D)
SER 2LED 230V SIGN ARR DN D-CP (SER-230-FS2D)
SER 4LED 230V SIGN ARR DN D-CP (SER-230-FS4D)

SER 2LED 230LTC SIGN ARR D-DCP (SER-230LTC-FS2D)

SER 4LED 230LTC SIGN ARR D-DCP (SER-230LTC-FS4D)

Tradename: KAUFEL

SER-M3-SÜ

SER-M3-BUS

SER-EVG220

SER-EVG220-FLX

SER-LBS220 DIM

SER-FC (FRAME) RAHMEN

SER-FO (FRAME) RAHMEN

SER-FI (FRAME) RAHMEN

SER-FCX (FRAME) RAHMEN

SER-FOX (FRAME) RAHMEN

SER-FIX (FRAME) RAHMEN