CERTIFICATE

Issued to:

Applicant:	Licensee:
ABB limited	**ABB B.V.**
Bruntcliff Lane	**George Hintzenweg 81**
Leeds LS27 9LL, United Kingdom	**3068 AX Rotterdam, Netherlands**

Product	:	Emergency luminaires with LED light source
Trade name(s)	:	ABB, EMERGI-LITE, KAUFEL or VAN LIEN
Type(s)/model(s)	:	Aqualux 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 60598-1:2021, EN IEC 60598-1:2021/A11:2022 and EN IEC 60598-2-22:2022
- 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 4 November 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-129308 REV.2

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

K. Lin
Certification Manager

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DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvAC 001

ENEC 05

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Emergency luminaires with LED light source
Trade name(s)	:	ABB, EMERGI-LITE, KAUFEL or VAN LIEN
Type(s)/model(s)	:	Aqualux series
Rated voltage/nature of supply	:	230 - 240 Vac (Self contained)
		220 - 240 or 24 Vac/dc (Centrally supplied)
Rated frequency	:	50 Hz (Self contained)
		50 Hz/ DC (Centrally supplied)
LED power	:	1,9 W (2x 0,95W LED)
		3 or 4 W (1 LED)
Ambient temperature range	:	ta = 0...+35 °C or ta = 5...+35 °C
		ta =-25°C...+35°C (Freeze-lite models)
Classification	:	Class II
Degree of protection against dust, solid objects and moisture	:	IP65 / IP67
Autonomy time	:	1 h / 3 h
Description	:	self-contained emergency luminaires with LED light source. Suitable for ceiling/wall mount

TESTS

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

Test result
The test results are documented in DEKRA test file 227731100, 228902800.

Additional information
These luminaires contain a LED module which is in compliance with EN IEC 62031:2020 + A11:2021 (tested as part of the appliance).

These luminaires contain a LED driver which is in compliance with EN 61347-2-7:2012+A1:2018+A2:2022 and EN 61347-2-13:2014 + A1:2017 used in conjunction with EN 61347-1:2015 + A1:2021 (tested as part of the appliance).

This certificate replaces certificate No. 71-129308 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 2289028.51.

Conclusion
The examination has confirmed that all requirements were met.

Factory location
ABB limited
Bruntcliff Lane
Leeds LS27 9LL, United Kingdom

Product key / Product Range

AQUALUX – TRADEMARK: VANLIEN

AQL 04A/1/ZT/LED
RQL 04A/1/ZT/LED
AQL 04A/1/DALI/LED
AQL 04A/1/CIS/LED
AQL 04A/1/BT/LED
AQL 04A/1/LB400/LED
RQL 04A/1/LB400/LED
AQL 02/HF/LED
AQL 02A/1/ZT/LED
AQL 02/24/LED
AQL 02A/1/ZT/FR/LED
AQL 02/HF/FR/LED
AQL 02A/3/ZT/LED
AQL 02A/3/CIS/LED
AQL 02/HF/LED
AQL 02A/1/ZT/LED
AQL 02A/1/ZT/FR/LED
AQL 02A/1/CIS/LED
AQL 02A/1/ZT/LS/LED
AQL 02A/1/ZT/LB400/LED
AQL 02A/1/CIS/FR/LED
AQL 02A/1/CIS/LED
AQL 02A/1/ZT/LB400/LS/LED
AQL 02/HF/LS/LED
AQL 02A/1/ZT/LS/LED
RQL 02/HF/LED
RQL 02A/1/ZT/LED
AQL 02A/1/CIS/LS/LED
AQL 02A/1/CIS/FR/LED
AQL 02A/3/ZT/LS/LED
AQL 03A/1/ZT/LED
AQL 03A/1/ZT/LB400/LED
AQL 03A/1/CIS/LED
AQL 03/HF/LED/FLX
AQL 03/HF/LED

AQL 02A/1/ZT/LED/BRW
AQL 03A/1/ZT/LED
AQL 03/HF/LED/FLX
AQL 03/HF/LED
AQL 03A/1/ZT/LS/LED
AQL 03/HF/FR/LED
AQL 03A/1/ZT/LB400/LED/NIMH
AQL 03A/1/CIS/LED
AQL 02/HF/FR/LED/FLX
AQL 03A/1/ST/FR/LED
AQL 03A/1/ZT/FR/LED
AQL 03A/1/CIS/LS/LED
AQL 03A/1/ZT/FR/LED
AQL 03A/3/ZT/LED
AQL 02/HF/FR/LED
AQL 02A/3/ZT/FR/LED
AQL 03A/1/DALI/LS/LED
AQL 02A/1/DALI/LED
AQL 03A/1/DALI/LED
AQL 02A/1/DALI/FR/LED
AQL 03A/1/ZT/FR/LB400/LED
AQL 02/24/FR/LED
AQL 02A/3/ZT/LED/BRW
AQL 11A/1/ZT/FR/LB400/BRW
AQL 02A/1/BT/LED
AQL 02A/1/BT/LS/LED
AQL 02A/1/BT/FR/LED
AQL 03A/1/BT/LED
AQL 03A/1/BT/LS/LED
RQL 02/HF/LED
RQL 02A/1/ZT/LED
AQL 02A/1/ZT/FR/LED/60HZ
AQL 02/24/FR/LED
AQL 03/HF/FR/LED
AQL 04A/1/DALI/LED
AQL 04A/1/ZT/FR/LED
AQL 04A/1/LB400/FR/LED

AQL 04A/1/CIS/FR/LED
AQL 04A/1/DALI/FR/LED
AQL 04A/1/BT/FR/LED
AQL 04A/1/ZT/LS/LED
AQL 04A/1/LB400/LS/LED
AQL 04A/1/CIS/LS/LED
AQL 04A/1/DALI/LS/LED
AQL 04A/1/BT/LS/LED
AQL 04/HF/LED
AQL 04/HF/LED/FLX
AQL 04/HF/FR/LED
AQL 04/HF/FR/LED/FLX
AQL 04/HF/LS/LED
AQL 04/HF/LS/LED/FLX

AQL	=	Aqualux luminaire
RQL	=	Aqualux renovation kit
02	=	2 x 0.95W LED
03	=	1 x 3W LED
04	=	1 x 4W LED
LED	=	LED light source
A	=	Maintained
1	=	1 hr autonomy
3	=	3 hr autonomy
HF	=	Slave
24	=	24 slave
ZT	=	Self test
LB400	=	Self-test LB400 protocol
CIS	=	NaveoPro communication
DALI	=	DALI communication
BT	=	Bluetooth communication
LS	=	Equipped with light sensor
FR	=	Equipped with battery heating element
FLX	=	FLX module

AQUALUX – TRADEMAARK: KAUFEL

AQL 25 LED M3 SU FLACHE HAUBE
AQL 25 LED M3 BUS FLACHE HAUBE
AQL 25 LED EVG220 FLACHE HAUBE
AQL 25 HEIZUNG LED EVG220 FLACH
AQL 25 HEIZUNG LED M3 SU FLACHE
AQL 25 HEIZUNG LED M3 BUS FLACH
AQUALUX 25 W RLED2X8 EVG220
AQUALUX 25 W RLED2X8 EVG220 HEIZUNG
AQL 25 RLED W/D M3 SUE
AQL 25 RLED W/D M3 BUS
AQL 25 RLED W/D M3 SUE HEIZUNG
AQL 25 RLED W/D M3 BUS HEIZUNG
AQL 25 RLED W/D M3 DALI
AQL 25 RLED W/D M3 DALI HEIZUNG

25	=	Aqualux surface mounted
HEIZUNG	=	Equipped with battery heating element
UMRUESTSATZ	=	Renovation
LED	=	2 x 0.95W LED
RLED	=	1 X 3W LED
M3	=	3 hr autonomy
BUS	=	NaveoPro communication
DALI	=	DALI communication
SU	=	Self test
EVG220	=	Slave
FLACH HAUBE	=	Single sided

Description
XTE9150S-M3/DALI
XTE9150S-M3/ST FR
XTE9150S-M3/COM FR
XTE9150S-M3/DALI FR
XTE9150S-M3/BT FR
XTE9150S-M3/ST LS
XTE9150S-M3/COM LS
XTE9150S-M3/DALI LS
XTE9150S-M3/BT LS
XTE9150S-230
XTE9150S-230/FLX
XTE9150S-230/LTC
XTE9150S-230 FR
XTE9150S-230/FLX FR
XTE9150S-230/LTC FR
XTE9150S-230 LS
XTE9150S-230/FLX LS
XTE9150S-230/LTC LS

XTE9150S	= Aqualux emergency luminaire, surface mounted self-contained/centrally supplied with 1 x 4W LED
M3	= 3hr Autonomy
ST	= Self test
BT	= Bluetooth communication
COM	= NaveoPro communication
DALI	= DALI communication
FR	= Equipped with battery heating element
FLX	= Slave FLX communication module
LTC	= Slave LTC communication module
230	= Slave
LS	= Including daylight sensor

AQUALUX – TRADEMARK: EMERGI-LITE

AQUALUX 2XLED SIGN 230VHF
AQUALUX 2LED M3
FREEZ-LITE CT 2LED M3
AQUALUX CT 2LED M3
AQUALUX 2XLED 230V LTC IP65
AQUALUX 2LEDM3 LSENS IP65
AQUALUX 2LED M3 IR2
FREEZ-LITE 2LED M3
AQUALUX 2LED M3 220V60HZ
FREEZ LITE 3W LED DALI M3

2LED	=	2 x 0.95W LED
2XLED	=	2 x 0.95W LED
SIGN	=	Escape route signage
M3	=	3 hr autonomy
230VHF	=	Slave
230VLTC	=	Slave LTC communication
REC	=	Recessed
CT	=	NaveoPro communication
DALI	=	DALI communication
Freeze-Lite	=	Including heating element
LS	=	Including daylight sensor

Description
XTE9150S-M3/DALI
XTE9150S-M3/ST FR
XTE9150S-M3/COM FR
XTE9150S-M3/DALI FR
XTE9150S-M3/BT FR
XTE9150S-M3/ST LS
XTE9150S-M3/COM LS
XTE9150S-M3/DALI LS
XTE9150S-M3/BT LS
XTE9150S-230
XTE9150S-230/FLX
XTE9150S-230/LTC
XTE9150S-230 FR
XTE9150S-230/FLX FR
XTE9150S-230/LTC FR
XTE9150S-230 LS
XTE9150S-230/FLX LS
XTE9150S-230/LTC LS

XTE9150S	= Aqualux emergency luminaire, surface mounted self-contained/centrally supplied with 1 x 4W LED
M3	= 3hr Autonomy
ST	= Self test
BT	= Bluetooth communication
COM	= NaveoPro communication
DALI	= DALI communication
230	= Slave
FR	= Equipped with battery heating element
FLX	= Slave FLX communication module
LTC	= Slave LTC communication module
LS	= Including daylight sensor

AQUALUX - TRADEMARK: ABB

XTE9100S-M3/DALI FR
XTE9100S-M3/COM
XTE9100S-M3/COM FR
XTE9100S-M3/BT
XTE9100S-M3/BT FR
XTE9150S-M3/ST
RXTE9150S-M3/ST
XTE9150S-M3/BT
XTE9100S-M3/COM FR
XTE9150S-M3/COM
XTE9100S-M3/DALI
XTE9150S-M3/DALI
XTE9150S-M3/ST FR
XTE9150S-M3/COM FR
XTE9150S-M3/DALI FR
XTE9150S-M3/BT FR
XTE9150S-M3/ST LS
XTE9150S-M3/COM LS
XTE9150S-M3/DALI LS
XTE9150S-M3/BT LS
XTE9150S-230
XTE9150S-230/FLX
XTE9150S-230/LTC
XTE9150S-230 FR
XTE9150S-230/FLX FR
XTE9150S-230/LTC FR
XTE9150S-230 LS
XTE9150S-230/FLX LS
XTE9150S-230/LTC LS

XTE9100S	=	Aqualux emergency luminaire, surface mounted self-contained with 1 X 3W LED
XTE9150S	=	Aqualux emergency luminaire, surface mounted self-contained with 1 X 4W LED
RXTE9150S	=	Renovation Aqualux emergency luminaire, surface mounted self-contained with 1 X 4W LED
M3	=	3 hr autonomy
ST	=	Self test
BT	=	Bluetooth communication
COM	=	NaveoPro communication
DALI	=	DALI communication
FR	=	Equipped with battery heating element.
230	=	Slave
FLX	=	Slave FLX communication module
LTC	=	Slave LTC communication module
LS	=	Including daylight sensor