

CERTIFICATE

Issued to:
Applicant:
Etap N.V.
Antwerpsesteenweg 130
2390 Malle, Belgium

Manufacturer/Licensee:
Etap N.V.
Antwerpsesteenweg 130
2390 Malle, Belgium

Product : Emergency lighting with LEDs
Trade name) : ETAP
Series : K9R.../3

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 60598-1:2008 and EN 60598-2-22;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 947634

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

The ENEC KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the ENEC KEMA-KEUR certification agreement and under the conditions of the ENEC KEMA-KEUR certification agreement.

This certificate is issued on: 13 August 2013 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2160458.03

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



T. Drost
Certification Manager

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ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	:	Emergency lighting with LEDs
trade name	:	ETAP
series	:	K9R.../3
rated voltage	:	220/230V
nature of supply	:	ac (Maintained/Non-Maintained) ac/dc (Centrally Supplied)
rated frequency	:	50/60Hz or dc
rated input	:	1x3W LED
class	:	I
degree of protection	:	IP42 IP22 (for France only)
shock resistance	:	IK04
mounting position	:	Surface Mounted (ceiling/wall)Recessed (ceiling/wall)
classification	:	Maintained/Non-Maintained, Self Contained and centrally supplied emergency luminaires with rest mode facility
standard rated duration	:	1 h
optional rated duration	:	3 h
Batteries	:	4x1.2V;1.25Ah (1h) sealed NiMH 4x1.2V; 2.1 Ah (1h) sealed NiMH 4x1.2V;4Ah (3h) sealed NiMH

Additional information

- For fixed connection to the supply (screw terminals)
- With 3 W LED Module
- Standard rated duration of operation: 1 h.
- The mounting instructions are partly provided with the luminaires and are downloadable from the manufacturer's website.
- Photobiological safety non-GLS: Riskgroup 1.

Code Variables for Self Contained products can be explained as follows:

K 9 R A B C / D E Suffix

K9R = Main Model No.

"A" denotes Housing Type. Can be replaced by:

- 1 = Surface mounted - Square
- 2 = Recessed - Round
- 3 = Recessed - Square
- 4 = Parallel wall mounted
- 5 = Perpendicular wall mounted

"B" denotes Application. Can be replaced by:

- 1 = Escape route (Ambiance in France)
- 2 = Anti Panic
- 5 = Mini Double Sided Signage

"C" denotes Test and Communication. Can be replaced by:

- 2 = EST+ (European Safety Test - Automatic)
- 3 = ESM (European Safety Test - Manual)
- 4 = ESM RF (European Safety Test - Manual - through Remote Control)

"D" denotes Lighting Source. Can be replaced by:

- 3 = 1x3W LED

"E" denotes Lighting Mode

- N = Non-Maintained
- P = Maintained

"Suffix" denotes Options. Can be replaced by:

- Code Suffix S2 = 3 hr duration
- Code Suffix S4 = Remote control
- Code Suffix S7 = LON
- Code Suffix S11 = DALI
- Code Suffix Vxx = Minor modifications (not safety relevant)
- Code Suffix -F = Country Code France
- Code Suffix -E = Country Code Spain
- Code Suffix V220 = Rated voltage 220 60Hz
- Code Suffix X1 = Grey RAL 9006 coating
- Code Suffix X2 = White RAL 9003 coating
- Code Suffix X5 = Chromated finish (Surtec 650)

Code variables for Centrally Supplied products can be explained as follows:

K 9 R A B / D F – G Suffix

K9R = Main Model No.

"A" denotes Housing Type. Can be replaced by:
See described under "A" at Self-Contained products

"B" denotes Application. Can be replaced by:
See described under "B" at Self-Contained products

"D" denotes Lighting Source. Can be replaced by:
See described under "D" at Self-Contained

"F" denotes Lighting Mode. Can be replaced by:

N = Non-Maintained
– = Maintained/Non-Maintained

"G" denotes voltage. Can be replaced by:
230 = 220-230V

"Suffix" denotes Options. Can be replaced by:

Code Suffix S11	= DALI
Code Suffix S20	= ESM for centrally supplied.
Code Suffix Vxx	= Minor modifications (not safety relevant)
Code Suffix -F	= Country Code France
Code Suffix -E	= Country Code Spain
Code Suffix V220	= with CEAG LED Driver 220V 60Hz
Code Suffix V221	= with ETAP LED Driver 220V 60Hz
Code Suffix X1	= Grey RAL 9006 coating
Code Suffix X2	= White RAL 9003 coating
Code Suffix X5	= Chromated finish (Surtec 650)

TESTS

Test requirements

Main requirements:

EN 60598-1:2008

EN 60598-2-22:1998 + A1:2003 + C14:2007 + A2:2008

Additional requirements:

EN 60598-2-1:1989

EN 60598-2-2:1996 + A1:1997

EN 61347-1:2008

EN 61347-2-7:2006

EN 61347-2-13:2006

EN 62031:2008

EN 62471:2008

Test result

The test results are laid down in DEKRA test file 2160458.00.

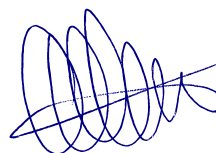
Remark

This certificate replaces certificate no.2160458.02, dated July 2, 2013.

Conclusion

The examination proved that all test requirements were met.

Tested by : Albert van der Veen

A blue ink signature consisting of several overlapping loops and a long horizontal stroke at the end.

Checked by : Theo Michels

A blue ink signature that appears to read "Michels" in a cursive script, with a long horizontal stroke underneath.**Factory location**

Etap N.V.
Antwerpsesteenweg 130,
2390, Malle
Belgium

List of components

Component	trade name	type/model	approval mark ¹⁾
Screw/Screwless Terminals	WECO	302-NFLP-DS/02	VDE
Screwless Terminals (Battery Connector)	MOLEX	6410	UL/CSA
Battery Pack	GP	GP 125AAMT	*
Battery Pack	GP	GP 210AFHT	*
Battery Pack	GP	GP 400LAHT	*
Internal Wiring	Donné	H05V2-U	KEMA-KEUR
Screwless Terminal (on LED Module Board)	WAGO	2060 Series	UL
LED Module	ETAP	K4E323-0(T)	*
Electronic Control Gear (LED Driver/Charger)	ETAP	K4E270(T)	S.I. 2093967.01
¹⁾ * indicates a component tested as part of the appliance			