

CERTIFICATE

Issued to:
Applicant:
Cooper Univel S.A.
7th. Km. Old National Road
601 00 Katerini, Greece

Manufacturer/Licensee:
Cooper Univel S.A.
7th. Km. Old National Road
601 00 Katerini, Greece

Product : Self-contained emergency luminaires
Trade names : COOPER SAFETY, COOPER UNIVEL, BLESSING, SIRIOS
Types : SIRIOS Range

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; EN 60598-2-22:1998; EN 61347-1:2008; EN 61347-2-7:2006
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2005126

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: 21 February 2012 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2150074.01

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	:	Self-contained emergency luminaires
trade names	:	COOPER SAFETY, COOPER UNIVEL, BLESSING, SIRIOS
types	:	S8, S8-3H, S8-AT, S8-AT-3H, S8M, S8M-3H, S8M-AT, S8M-AT-3H, S8MU, S8MU-3H, S8MU-PLUS, S8U, S8U-3H, S8U-PLUS, S11, S11-3H, S11-AT, S11-AT-3H, S11M, S11M-3H, S11M-AT, S11M-AT-3H, S11MU, S11U, S18, S18-3H, S18-AT, S18-AT-3H, S18M, S18M-3H, S18M-AT, S18M-AT-3H, S24, S24-3H, S24-AT, S24-AT-3H, S24M, S24M-3H, S24M-AT, S24M-AT-3H,

	Sirios-R, Sirios-R-AT, Sirios-S, Sirios-S-AT
rated voltage	: 230 V
nature of supply	: ac
frequency	: 50 Hz
class	: II
degree of protection	: IP42
description	: Emergency luminaire with fluorescent lamp
design	: See product data
rated duration of emergency	: See product data
lamp	: See product data
battery	: See product data

Additional information

- suitable for normal flammable surfaces.
- for fixed connection to the supply.
- with screw terminals, suitable for a maximum cross section of 2.5 mm².

Product data - type S8

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 8 W
battery	: 2,4 V/1,7 Ah

Product data - type S8-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 3 h
Lamp	: 8 W
Battery	: 2,4 V/4 Ah

Product data - type S8-AT

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 6 V/1,7 Ah

Product data - type S8-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 8 W
battery	: 3,6 V/4 Ah

Product data - type S8M

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 8 W
battery	: 2,4 V/1,7 Ah

Product data - type S8M-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 3 h
lamp	: 8 W
battery	: 2,4 V/4 Ah

Product data - type S8M-AT

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 6 V/1,7 Ah

Product data - type S8M-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 8 W
battery	: 3,6 V/4 Ah

Product data - type S8MU

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button high lumen
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 6 V/1,7 Ah

Product data - type S8MU-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button high lumen
rated duration of emergency	: 3 h
lamp	: 8 W
battery	: 6 V/4 Ah

Product data - type S8MU-PLUS

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button very high lumen
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 3,6 V/4 Ah

Product data - type S8U

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button high lumen
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 6 V/1,7 Ah

Product data - type S8U-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button high lumen
rated duration of emergency	: 3 h
lamp	: 8 W
battery	: 6 V/4 Ah

Product data - type S8U-PLUS

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button very high lumen
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 3,6 V/4 Ah

Product data - type S11

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 11 W
battery	: 4,8 V/1,7 Ah

Product data - type S11-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 3 h
lamp	: 11 W
battery	: 3,6 V/4 Ah

Product data - type S11-AT

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 11 W
battery	: 6 V/1,7 Ah

Product data - type S11-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 11 W
battery	: 3,6 V/4 Ah

Product data - type S11M

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 11 W
battery	: 4,8 V/1,7 Ah

Product data - type S11M-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 3 h
lamp	: 11 W
battery	: 3,6 V/4 Ah

Product data - type S11M-AT

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 11 W
battery	: 6 V/1,7 Ah

Product data - type S11M-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 11 W
battery	: 3,6 V/4 Ah

Product data - type S11MU

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 1 h
lamp	: 11 W
battery	: 3,6 V/4 Ah

Product data - type S11U

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 1 h
lamp	: 11 W
battery	: 3,6 V/4 Ah

Product data - type S18

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 18 W
battery	: 6 V/1,7 Ah

Product data - type S18-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 3 h
lamp	: 18 W
battery	: 4,8 V/4 Ah

Product data - type S18-AT

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 18 W
battery	: 6 V/1,7 Ah

Product data - type S18-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 18 W
battery	: 3,6 V/4 Ah

Product data - type S18M

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 18 W
battery	: 6 V/1,7 Ah

Product data - type S18M-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 3 h
lamp	: 18 W
battery	: 4,8 V/4 Ah

Product data - type S18M-AT

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 18 W
battery	: 6 V/1,7 Ah

Product data - type S18M-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 18 W
battery	: 3,6 V/4 Ah

Product data - type S24

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 24 W
battery	: 4,8 V/2,2 Ah

Product data - type S24-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button
rated duration of emergency	: 3 h
lamp	: 24 W
battery	: 6 V/4 Ah

Product data - type S24-AT

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 24 W
battery	: 6 V/1,7 Ah

Product data - type S24-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 24 W
battery	: 6 V/4 Ah

Product data - type S24M

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 1,5 h
lamp	: 24 W
battery	: 4,8 V/2,2 Ah

Product data - type S24M-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button
rated duration of emergency	: 3 h
lamp	: 24 W
battery	: 6 V/4 Ah

Product data - type S24M-AT

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 24 W
battery	: 6 V/1,7 Ah

Product data - type S24M-AT-3H

trade names	: Cooper Univel, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 3 h
lamp	: 24 W
battery	: 6 V/4 Ah

Product data - type Sirios-R

trade names	: Blessing, Cooper Safety
design	: non-maintained emergency luminaire + test button high lumen
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 6 V/1,7 Ah

Product data - type Sirios-R-AT

trade names	: Blessing, Cooper Safety
design	: non-maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 6 V/1,7 Ah

Product data - type Sirios-S

trade names	: Blessing, Cooper Safety
design	: maintained emergency luminaire + test button high lumen
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 3,6 V/1,7 Ah

Product data - type Sirios-S-AT

trade names	: Blessing, Cooper Safety
design	: maintained emergency luminaire + test button + autotest
rated duration of emergency	: 1 h
lamp	: 8 W
battery	: 3,6 V/1,7 Ah

TESTS**Test requirements**

EN 60598-1:2008 + A11:2009

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

EN 61347-1:2008

EN 61347-2-7:2006

Test results

The test results are laid down in DEKRA test file 2150074.00.

Remark

This certificate supersedes certificate 2127675.02 issued November 23, 2010.

Conclusion

The examination proved that all test requirements were met.

Tested by : H.J.H. te Lindert



Checked by : T.H.J.M. Michels

**Factory location**

Cooper Univel S.A.

7th. Km. Old National Road, 601 00 Katerini

Greece

List of components

Component	trade name	type/model	approval mark ¹⁾
lampholder	BJB	26.641	ENEC
lampholder	BJB	26.726	ENEC
lampholder	Stucchi	451	IMQ
PCB	Univel	S8-A (non-maintained)	*
PCB	Univel	S8M-A (maintained)	*
PCB	Univel	S24M-A (maintained 3h)	*
PCB	Univel	SAS-A (maintained autotest)	*
battery	BYD	D-SC1700H, NiCd, 1,7 Ah, 2,4 / 4,8 / 6 V	*
battery	Link	D-SC1700HT, NiCd, 1,7 Ah, 2,4 / 4,8 / 6 V	*
battery	SAFT	VNT NiCd 2,5 Ah 4,8 V	*
battery	BYD	D-SC2200H NiCd 2,2 Ah 4,8V	*
battery	SAFT	VNT NiCd 4 Ah, 2,4 / 3,6 / 4,8 / 6 V	*
battery	BYD	D-D4000H, NiCd, 4 Ah, 2,4 / 3,6 / 4,8 / 6 V	*
battery	LINK	D-D4000HT, NiCd, 4 Ah, 2,4 / 3,6 / 4,8 / 6 V	*
terminal	DEGSON	EDGR-5.0, EDGK-5.0	VDE
terminal	Xinja	XY2500R-A, XY250F-A, 250 Vac/dc, 1,0-2,5 mm ² , Ta 65°C.	VDE
terminal	DINKLE	5EHDR5.0, EDGK5.0, 300V/15A, 2,5 mm ² , Ta105°C.	SGS
terminal	Wago	294-4002, 294-4003, 500 V / 16 A, 0,5-2,5 mm ² , Ta 85°C.	ENEC
terminal	BJB	46.412, 46.413, 450 V / 24 A, 0,5-2,5 mm ² , Ta 85°C	VDE
internal wiring	ICC	Style 1015, 600V, 1 x 0,5 mm ² , Ta 105°C	*
internal wiring (battery cable)	Various	0,8 upto 1 mm ² , Ta 70°C	*

¹⁾ * indicates a component tested as part of the appliance