

CERTIFICATE

Issued to:
Applicant:
Famostar Emergency Lighting BV
Florijnweg 8
6883 JP Velp, The Netherlands

Licensee:
Famostar Emergency Lighting BV
Florijnweg 8
6883 JP Velp, The Netherlands

Product : Emergency escape lighting with LEDs
Trade name(s) : FAMOSTAR or Philip Payne Ltd.
Type(s)/model(s) : PROBHSDSW, PROBHSXTW, PROBLSDLW, PROBLSXTW, PROEXSDLW, PROEXSXTW, PRO PLUS VPA-1, PRO PLUS VPD-1, PRO PP-230, PRO PPA-1, PRO PPA-3, PRO PPD-1, PRO PPD-3, PRO PPS-1, PRO PPS-3, PRO Plus V-230, PRO Plus VA-1, PRO Plus VPS-1, PRO V-230, PRO VA-1, PRO VPA-1, PRO VPA-3, PRO VPD-1, PRO VPD-3, PRO VPS-1, PRO VPS-3, PRO WP-230, PRO WPA-1, PRO WPA-1 C, PRO WPA-3, PRO WPD-1, PRO WPD-1 C, PRO WPD-3, PRO WPS-1 and PRO WPS-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 60598-1:2015, EN 60598-1:2015/AC:2016, EN 60598-1:2015/AC:2015, EN 60598-1:2015/A1:2018, EN 60598-2-22:2014, EN 60598-2-22:2014/AC:2015 and EN 60598-2-22:2014/AC:2016-05
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 981445

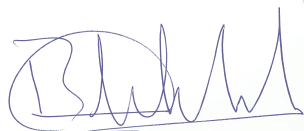
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 29 October 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-115890

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



S.L. Vasylyeva
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	: Emergency escape lighting with LEDs
Trade name(s)	: FAMOSTAR or Philip Payne Ltd.
Type(s)/model(s)	: PROBHSDSW, PROBHSTXTW, PROBLSDLW, PROBLSTXTW, PROEXSDLW, PROEXSXTW, PRO PLUS VPA-1, PRO PLUS VPD-1, PRO PP-230, PRO PPA-1, PRO PPA-3, PRO PPD-1, PRO PPD-3, PRO PPS-1, PRO PPS-3, PRO Plus V-230, PRO Plus VA-1, PRO Plus VPS-1, PRO V-230, PRO VA-1, PRO VPA-1, PRO VPA-3, PRO VPD-1, PRO VPD-3, PRO VPS-1, PRO VPS-3, PRO WP-230, PRO WPA-1, PRO WPA-1 C, PRO WPA-3, PRO WPD-1, PRO WPD-1 C, PRO WPD-3, PRO WPS-1 and PRO WPS-3
Model	: PRO SERIE
Ambient temperature range	: -20 °C...+40 °C
Classification	: Class II
Degree of protection against ingress of solid objects, dust and moisture	: IP65 or IP66
Degree of protection against external mechanical impact	: IK10
Description	: Emergency lighting suitable for wall and ceiling mounting

List of components

Component	Manufacturer/ Trade name	Type/Model	Approval mark ¹⁾
Battery pack	GP	Ni-MH - 3,6 V / 600 mAh	*
Battery pack	GP	Ni-MH - 3,6 V / 1100 mAh	*
Battery pack	GP	Ni-MH - 3,6 V / 2200 mAh	*
Battery pack	GP	Ni-MH - 3,6 V / 4000 mAh	*
Battery pack	Saft	Ni-MH - 3,6 V / 600 mAh	*
Battery pack	Saft	Ni-MH - 3,6 V / 1100 mAh	*
Battery pack	Saft	Ni-MH - 3,6 V / 2200 mAh	*
Battery pack	Saft	Ni-MH - 3,6 V / 4000 mAh	*
Battery wiring	several	Battery wiring - AWG 22 red - AWG 22 black	*
Driver/EM unit	Famostar	N158-x	*
Driver/EM unit	N173-x	Famostar	*
HF Transformer	Wijdeven	AAM 001900900	*
HF Transformer	Elytone	YT-15165-1	*
HF Transformer	Wijdeven	AAM 016900905	*
HF Transformer	Elytone	YT-58982-1	*
Internal wiring	E-Tec	flex-cable	*
LED Module	Famostar	N157-x	*
LED	CREE	XBD	*
Terminal block	WECO	322 - 380 V / 16 A	*
Contact Pins	Kaiser-waltermann	250 Vac / 1 A	*
Enclosure	BAYBLEND FR 3010	PC+ABS blend	*
Translucent cover	Makrolon 2807	PC	*

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

Product data – type PRO Plus V-230

Tradename : FAMOSTAR
Design : centrally supplied, non-maintained
Rated voltage / nature of supply : 230 V - 50Hz / DC

Product data – type PRO Plus VA-1

Tradename : FAMOSTAR
Design : self contained, non-maintained
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour
Lumen output : 415 lumen

Product data – type PRO PLUS VPA-1

Tradename : FAMOSTAR
Design : self contained, maintained
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour
Lumen output : 415 lumen

Product data – type PRO PLUS VPD-1

Tradename : FAMOSTAR
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour
Lumen output : 415 lumen

Product data – type PRO Plus VPS-1

Tradename : FAMOSTAR
Design : self contained, maintained, with smartscan
Rated voltage / nature of supply : 230 Vac / 50 Hz
Autonomy time : 1 hours
Lumen output : 415 lumen

Product data – type PRO PP-230

Tradename : FAMOSTAR
Design : centrally supplied, maintained
Rated voltage / nature of supply : 230 V - 50 Hz / DC

Product data – type PRO PPA-1

Tradename : FAMOSTAR
Design : self contained, maintained
Rated voltage / nature of supply : 230 / 50 Hz
Autonomy time : 1 hour

Product data – type PRO PPA-3

Tradename : FAMOSTAR
Design : self contained, maintained
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PRO PPD-1

Tradename : FAMOSTAR
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour

Product data – type PRO PPD-3

Tradename : FAMOSTAR
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PRO PPS-1

Tradename : FAMOSTAR
Design : self contained, maintained, with smartscan
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour

Product data – type PRO PPS-3

Tradename : FAMOSTAR
Design : self contained, maintained, with smartscan
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PRO V-230

Tradename : FAMOSTAR
Design : centrally supplied, non-maintained
Rated voltage / nature of supply : 230 V - 50 Hz / DC
Lumen output : 215 lumen

Product data – type PRO VA-1

Tradename : FAMOSTAR
Design : self contained, non-maintained
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour
Lumen output : 215 lumen

Product data – type PRO VPA-1

Tradename : FAMOSTAR
Design : self contained, maintained
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour
Lumen output : 215 lumen

Product data – type PRO VPA-3

Tradename : FAMOSTAR
Design : self contained, maintained
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours
Lumen output : 215 lumen

Product data – type PRO VPD-1

Tradename	: FAMOSTAR
Design	: self contained, maintained, with DALI protocol
Rated voltage / nature of supply	: 230 V - 50 Hz
Autonomy time	: 1 hour
Lumen output	: 215 lumen

Product data – type PRO VPD-3

Tradename	: FAMOSTAR
Design	: self contained, maintained, with DALI protocol
Rated voltage / nature of supply	: 230 V - 50 Hz
Autonomy time	: 3 hours
Lumen output	: 215 lumen

Product data – type PRO VPS-1

Tradename	: FAMOSTAR
Design	: self maintained, maintained, with smart scan
Rated voltage / nature of supply	: 230 V - 50 Hz
Autonomy time	: 1 hour

Product data – type PRO VPS-3

Tradename	: FAMOSTAR
Design	: self contained, maintained, with smartscan
Rated voltage / nature of supply	: 230 V - 50 Hz
Autonomy time	: 3 hours

Product data – type PRO WP-230

Tradename	: FAMOSTAR
Design	: centrally supplied, maintained
Rated voltage / nature of supply	: 230 V - 50 Hz / DC

Product data – type PRO WPA-1

Tradename	: FAMOSTAR
Design	: self contained, maintained
Rated voltage / nature of supply	: 230 V - 50 Hz

Product data – type PRO WPA-1 C

Tradename	: FAMOSTAR
Design	: self contained, maintained
Rated voltage / nature of supply	: 230 V - 50 Hz
Autonomy time	: 1 hour

Product data – type PRO WPA-3

Tradename	: FAMOSTAR
Design	: self contained, maintained
Rated voltage / nature of supply	: 230 V - 50 Hz
Autonomy time	: 3 hours

Product data – type PRO WPD-1

Tradename	: FAMOSTAR
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Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour

Product data – type PRO WPD-1 C

Tradename : FAMOSTAR
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 1 hour

Product data – type PRO WPD-3

Tradename : FAMOSTAR
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PRO WPS-1

Tradename : FAMOSTAR
Design : self contained, maintained, with smartscan
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy : 1 hour

Product data – type PRO WPS-3

Tradename : FAMOSTAR
Design : self contained, maintained, with smartscan
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PROBHSDSW

Tradename : Philip Payne Ltd.
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours
Lumen output : 215 lumen

Product data – type PROBHSXTW

Tradename : Philip Payne Ltd.
Design : self contained, maintained, with smartscan
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PROBLSDLW

Tradename : Philip Payne Ltd.
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PROBLSXTW

Tradename : Philip Payne Ltd.
Design : self contained, maintained, with smart scan
Rated voltage / nature of supply : 230 V - 50 Hz

Autonomy time : 3 hours

Product data – type PROEXSDLW

Tradename : Philip Payne Ltd.
Design : self contained, maintained, with DALI protocol
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

Product data – type PROXSXTW

Tradename : Philip Payne Ltd.
Design : self contained, maintained, with smart scan
Rated voltage / nature of supply : 230 V - 50 Hz
Autonomy time : 3 hours

TESTS**Test requirements**

EN 60598-1:2015
EN 60598-1:2015/AC:2016
EN 60598-1:2015/AC:2015
EN 60598-1:2015/A1:2018
EN 60598-2-22:2014
EN 60598-2-22:2014/AC:2015
EN 60598-2-22:2014/AC:2016-05

Test result

The test results are laid down in DEKRA test file 216978900, 224678600.

Additional information

The luminaires contain a LED module which is in compliance with EN 62031:2008 + A1:2013 + A2:2015 (Tested as part of appliance).

The luminaires contain a LED/EM driver which is in compliance with EN 61347-2-7:2012 + A1:2019 and EN 61347-2-13 + A1:2017 in conjunction with EN 61347-1:2015.

Retinal blue light hazard:

Luminaires (at maximum rated wattage) equipped with LEDs manufactured by CREE model XBD series (5000 K) have been evaluated according to IEC/TR 62778:2014 and with result: EXEMPT. (details are laid down in DEKRA Certification B.V. test report no. 2132101-QUA/PHO 10-019 issued on March 1 2010).

This certificate replaces certificate No. 2169789.01 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

Famostar Emergency Lighting BV
Florijnweg 8
6883 JP Velp, The Netherlands

Product key Famostar Pro family

Pro Plus VPA-1 special RAL

Pro Plus yyy-c ttt

Pro = series name

Plus = High output

yyy = Description

VPA= Emergency Lighting, Permanent, Automatic function test

VPD= Emergency Lighting, Permanent, Dali

VPS= Emergency Lighting, Permanent, Smartscan

WPA= Wall mount Exit sign, Permanent, Automatic function test

WPD= Wall mount Exit sign, Permanent, Dali

WPS= Wall mount Exit sign, Permanent, Smartscan

PPA= Ceiling mount Exit sign, Permanent, Automatic function test

PPD= Ceiling mount Exit sign, Permanent, Dali

PPS= Ceiling mount Exit sign, Permanent, Smartscan

c= duration time

1= 1hr

3= 3hr

230= centrally supplied luminaire

ttt= colour of Luminaire

Special RAL= Colour on order

Pro WPA-1 C

Pro WPD-1 C

C= circular Light pattern under the Luminaire |

Product key PRO Philip Payne, Duration 3 hours

PROXSXTW (EX) Exit Sign,(S) Surface Mount, (XT) Smartscan, (W)White

PROXSXLW (DL) Dali

PROBHSXTW (BH) Bulk Head.

PROBLSXTW (BL) Blade