

CERTIFICATE

Issued to:
Applicant:
Cooper Univel S.A.
88 Thessaloniki Street
601 00 Katerini, Greece

Licensee:
COOPER CSA S.R.L.
Via San Bovio 3 - Edificio Y
20090 Segrate (MI), Italy

Product : Luminaire for emergency lighting with LED light source
Trade name(s) : EATON LUMINOX
Type(s)/model(s) : ESC-3H-CGL-L, ESC-3H-L, ESM-3H-AUT-L, ESM-AT-3H-L and ESMAINS-L

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:2015, EN 60598-1:2015/AC:2016, 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 3504272

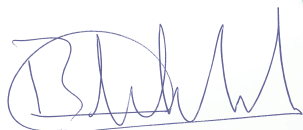
DEKRA hereby grants the right to use the ENEC certification mark.

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 4 October 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-110363

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

| | |
|---|---|
| Product | : Luminaire for emergency lighting with LED light source |
| Trade name(s) | : EATON LUMINOX |
| Type(s)/model(s) | : ESC-3H-CGL-L, ESC-3H-L, ESM-3H-AUT-L, ESM-AT-3H-L and ESMAINS-L |
| Rated input voltage / nature of supply | : 230 Vac |
| Rated frequency | : 50/60 Hz |
| Ambient temperature | : ta = 40 °C |
| Autonomy time | : 3 hrs |
| Classification | : class II |
| Degree of protection against ingress of solid objects, dust or moisture | : IP20 |
| Description | : Suitable for ceiling, wall or suspended mounting. Maintained emergency luminaires. |

Product data – type ESC-3H-CGL-L and ESC-3H-L

Batteries : NiCd 4,8 V 1,7 Ah

Product data – type ESM-AT-3H-L and ESM-3H-AUT-L

Batteries : NiMH 4,8 V 2,2 Ah

Product data – type ESMAINS-L

Type of operation : For use with Compatible central battery systems

TESTS**Test requirements**

EN 60598-1:2015
EN 60598-1:2015/AC:2015
EN 60598-1:2015/AC:2016
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 223999600.

Additional information

- The luminaires contain a LED module which is in compliance with EN 62031:2008 + A1:2013 + A2:2015 (tested as part of the appliance).
- The luminaires contain a LED driver (for PCB Velos-A and Velos-AT-A) which is in compliance with EN 61347-2-7:2012 used in conjunction with EN 61347-1:2008 + A1:2011 + A2:2013 (tested as part of the appliance).
- The luminaires contain a LED driver (for PCB Velos-CG-A) which is in compliance with EN 61347-2-7:2012 used in conjunction with EN 61347-1:2015 (tested as part of the appliance).

The list of components is laid down at test report 2239996.51.

Conclusion

The examination proved that all requirements were met.

Factory location

SC Cooper Industries Romania SRL
Zona Industriala Vest Str. III, Nr. 12
310510 Arad, Romania