

CERTIFICATE

Issued to:
Applicant:
Cooper Securite SAS
Parc Européen d'Entreprise RII Rue Beethoven -
BP 10184
63204 Riom, France

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) : STD2, SafeLite, Starled and Zeta4

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:2016-09
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 3504272

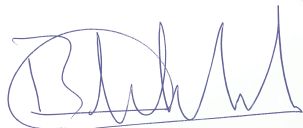
DEKRA hereby grants the right to use the ENEC certification mark.

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 12 September 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-109681

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



A.C. Slingerland
Certification Manager

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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)	: STD2, SafeLite, Starled and Zeta4
Supply voltage/nature of supply	: 230 Vac
Rated frequency	: 50/60 Hz
Rated duration of emergency operation	: 60 – 120 – 180 minutes
Ambient temperature	: 5...40 °C
Type of operation	: Maintained / Non-maintained
Type of installation	: Ceiling / Wall or Recessed Ceiling / Wall
Degree of protection	: IP42 or IP65
Degrees of protection against external mechanical impacts	: IK03 or IK07

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:2016-09

Test result

The test results are laid down in DEKRA test file 223890800.

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 which is in compliance with EN 61347-2-7:2012 used in conjunction with EN 61347-1:2007 + A1:2011 + A2:2013 (tested as part of the appliance).

A representative luminaire for the entire series was tested according to the photo-biological safety IEC/TR 62778:2014 requirements and is classified as RG2. The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 0,36 m is not expected.

Accessories:

NEXI-RB Recessed wall box (dimension 277 x 100 mm)
NEXI- FC Kit Recessed ceiling (dimension 272 x 95 mm)

The list of components is laid down at test report 2238908.52.

Conclusion

The examination proved that all requirements were met.

Factory location

Digital Lighting (Dongguan) Company Ltd.
Xinmin District, Chang'An Town
523879 Dong Guan City, China

Supply Voltage		Batteries	t _a	Type installation					
230 V	50/60 Hz	NiCd 3x1,2 V - 0,8 Ah AA NiCd 3x1,2 V - 1,7 Ah Cs NiCd 3x1,2 V - 2Ah C	5-40 °C	Ceiling / Wall Recessed ceiling with accessory Recessed wall with accessory Luminaire suitable for normally flammable surface					
Models									
Series	Models	Type operation	IP / IK rating	Lumens output	Rated duration	Lumen standby	Mains failure test launch	Terminal option	Pictograms (See below **)
Safelite	SL2 (20 m) SL3 (30 m)	M = maintained NM = non-maintained MNM = configurable ML = maintained line	42 = IP42 IK04 65 = IP65 IK07	C = 60 lm D = 100 lm E = 150 lm F = 200 lm H = 300 lm	1 = 1 h 2 = 2 h 3 = 3 h	C = 60 lm D = 100 lm	no option MT = magnet	no option DB = 2x2,5 mm ² TB = 3x2,5 mm ²	no pictogram 1A to 4A 11 to 41 MA MI
	40071349554 40071349555 _____ _____	SL2MNM42C3D-MTDB3A SL2MNM65C3D-MTDB3A SL2MNM42H1C SL2MNM65 H1C							
Starled	Starled 012 Starled 013	SL2MNM42E1C-MTDB3A SL2MNM42E1D-MTDB3A							
	ZE42ML3 ZE43ML3	SL2ML65D3DTB SL3ML65D3DTB4A							
Zeta 4									

** Safelite, Starled & 4007 pictograms Qty : (*) = (1, 2, 3 or 4)	
Adhesive	Non-Adhesive
SL2 (*)A = Qty of Adhesive 20 m (Cover / Cone)	SL2 (*)I = Qty of internal 20 m (Cover / Cone)
SL3 (*)A = Qty of Adhesive 30 m (Cover only)	SL3 (*)I = Qty of internal 30 m (Cover / Cone)
SL2MA = Modular Adhesive 20 m (Cover / Cone)	SL2MI = Modular internal 20 m (Cover / Cone)
SL3MA = Modular Adhesive 30 m (Cover only)	SL3MI = Modular internal 30 m (Cover / Cone)

Safelite & Starled accessories	
SL2CD	Cone diffuser 20 m
SL3CD	Cone diffuser 30 m
SL2WB	Wall base 20 m
SL2RB	Recessed base 20 m
SL3RB	Recessed base 30 m
SL2PG	Metallic grid 20 m
O_EL_GRID	Metallic grid 30 m

Zeta 4 pictograms	
Adhesive	Non-Adhesive
ZE42LEG-ISO = SL24A 20 m (Cover / Cone)	SL24I = 4 internal 20 m (Cover / Cone)
ZE42LEG-ISO = SL34A 30 m (Cover only)	SL34I = 4 internal 30 m (Cover / Cone)

Zeta 4 accessories	
ZE42DB	Cone diffuser 20 m
ZE43DB	Cone diffuser 30 m
SL2RB	Recessed base 20 m
SL3RB	Recessed base 30 m
SL2PG	Metallic grid 20 m
O_EL_GRID	Metallic grid 30 m

Supply Voltage		Batteries	t _a	Type installation				
230 V	50/60 Hz	NiCd 3x1,2 V - 0,8 Ah AA	5-40 °C	Ceiling / Wall Recessed ceiling with accessory Recessed wall with accessory Luminaire suitable for normally flammable surface				
Series	Models	Type operation	IP / IK rating	Lumens output	Rated duration	Lumen stanby	Mains failure test launch	
STD2	STD2-8 LUM10244	M = maintained	42 = IP42 IK04	8 lm	5 h	8 lm	no option	
STD2	STD2-8ES LUM10246	M = maintained	65 = IP65 IK07	8 lm	5 h	8 lm	no option	

Supply Voltage	Batteries according models	t _a	Type installation
230 V	NiCd 3x1,2 V - 0,8 Ah AA NiCd 3x1,2 V - 1,7 Ah Cs NiCd 3x1,2 V - 2 Ah C	25 °C	Ceiling / Wall Recessed ceiling with accessory Recessed wall with accessory Luminaire suitable for normally flammable surface
Luminaire suitable for normally flammable surface			

Series	Models					Trade Mark	
	Size	Type operation	IP / IK rating	Lumens output	Rated duration		Lumen stanby
Safelite	SL2 = 20 m SL3 = 30 m	NM = non-maintained MNM = configurable ML = maintained line	42 = IP42 IK04 65 = IP65 IK07	C = 60 lm D = 100 lm E = 150 lm F = 200 lm	3 = 3 h	C = 60 lm D = 100 lm	L = LUMINOX
Type installation	Ceiling / Wall Recessed ceiling with accessory Recessed wall with accessory Luminaire suitable for normally flammable surface						

Accessories	Pictograms Qty: (*) = (1, 2, 3 or 4)	
	Adhesive	Non-Adhesive
SL2CD Cone diffuser 20 m	SL2(*) A = Qty of Adhesive 20 m (Cover / Cone)	SL2(*) I = Qty of internal 20 m (Cover / Cone)
SL3CD Cone diffuser 30 m	SL3(*) A = Qty of Adhesive 30 m (Cover only)	SL3(*) I = Qty of internal 30 m (Cover / Cone)
SL2WB Wall base 20 m	SL2MA = Modular Adhesive 20 m (Cover / Cone)	SL2MI = Modular internal 20 m (Cover / Cone)
SL2RB Recessed base 20 m	SL3MA = Modular Adhesive 30 m (Cover only)	SL3MI = Modular internal 30 m (Cover / Cone)
SL3RB Recessed base 30 m		
SL2PG Metallic grid 20 m		
O_EL_GRID Metallic grid 30 m		