



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX INE 21.0022X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 [Issue 1 \(2023-06-26\)](#)  
[Issue 0 \(2021-06-23\)](#)  
Date of Issue: 2025-06-16  
Applicant: **ELECTROZEMPER SA**  
AVDA de la ciencia, S/N  
Parque Industrial Avanzado  
13005 CIUDAD REAL  
**Spain**  
Equipment: **Led Lighting and Emergency Lighting range SATURNO type LSIPC\*\*, LSIVC\*\*, LSPC\*\*, and L SVC\*\***  
Optional accessory:  
Type of Protection: **db, tb**  
Marking: Ex db IIC T6 Gb  
Ex tb IIIC T85°C Db  
The complete marking is detailed in Annex.

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:  
(for printed version)



Thierry HOUEIX

Ex Certification Officer

2025-06-16

Signé électroniquement  
Digitally signed by  
Thierry HOUEIX  
Ex Certification Officer  
Délégué Certification

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F-60550 Verneuil-en-Halatte  
**France**



controlling risks  
for sustainable development



# IECEX Certificate of Conformity

Certificate No.: **IECEX INE 21.0022X**

Page 2 of 4

Date of issue: 2025-06-16

Issue No: 2

Manufacturer: **ELECTROZEMPER SA**  
AVDA de la ciencia, S/N  
Parque Industrial Avanzado  
13005 CIUDAD REAL  
**Spain**

Manufacturing locations: **ELECTROZEMPER SA**  
AVDA de la ciencia, S/N  
Parque Industrial Avanzado  
13005 CIUDAD REAL  
**Spain**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[FR/INE/ExTR21.0022/02](#)

Quality Assessment Report:

[FR/INE/QAR17.0004/08](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX INE 21.0022X**

Page 3 of 4

Date of issue: 2025-06-16

Issue No: 2

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

This range of lighting and emergency lighting are suitable for explosive gas atmospheres of group IIC protected by flameproof enclosure « Ex db » and for dust group IIIC protected by enclosure « Ex tb ».

The range covers 3 sizes of enclosures E1 (smaller), E2 (middle size) and E3 (bigger). The translucent tube could be made in borosilicate glass or in polycarbonate sealed on the body by means of two cemented joints. The body consists of two caps and a threaded cover made in Aluminum alloy. Two studs made of steel are mounted internally between the sealed caps to ensure the mechanical strength of the assembly. The threaded cover (M126) is installed on the body and can be opened for the access to the installation and maintenance. A hexagonal screw blocks the opening.

An O-ring is fixed on the cover to ensure the IP rating. There are two NPT 3/4 threaded holes on the body for power cable entry.

The luminaires are intended to receive different types of LED array, batteries (for emergency versions) and other electronic devices such as drivers, converter, monitoring modules : the different configurations are detailed in descriptive documents of the manufacturer.

The luminaire in emergency version can contain a battery pack that consists of 3, 4 or 5 cells type Ni-Cd or Ni-MH connected in series with the following options:

- Ni-Cd 1.2V 4.5Ah (D-D4500BT from BST)
- Ni-Cd 1,2V 4Ah (D-D000BT\*4H from BST),
- Ni-Cd 1.2V 4,2Ah (VNT D U HC from ARTS)
- Ni-Cd 1.2V 1.6Ah (VNT Cs U from ARTS)
- Ni-MH 1.2V 2.2Ah (GP220SCHT from GP Batteries)
- Ni-MH 1.2V 4Ah (GP400LALHT from GP Batteries)
- Ni-Mh 1.2V 1.6Ah (HSC1600HT from GP Batteries)

Otherwise, the luminaire in emergency version can contain a battery pack LiFePO4 that consists of a single cell from the following list:

- LiFePO4 3.2V 3.0Ah (Model IFR-3.2V3Ah from THLB)
- LiFePO4 3.2V 6.0Ah (Model IFR-3.2V6Ah from THLB)
- LiFePO4 3.2V 9.0Ah (Model IFR-3.2V9Ah from THLB)

The luminaires get the degree of protection IP66 in accordance with IEC 60529.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

- During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk.
- For the risk from electrostatic discharge, the user shall read the instructions.
- Two studs made of steel are mounted internally between the sealed cap and the body to ensure the mechanical strength of the assembly. The studs must be of quality higher or equal to 5.8.

The other conditions of use are stipulated in the instructions.



# IECEX Certificate of Conformity

Certificate No.: **IECEX INE 21.0022X**

Page 4 of 4

Date of issue: 2025-06-16

Issue No: 2

## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

For issue 02:

- Application of the standard IEC 60079-31:2022
- Update of technical file
- Addition of LSVC2400AP3 reference (equivalent to LSPC2400AP3, glass tube) to table 2 of the certificate
- Correction of battery reference for LSVC2700LAP3 and LSVC2700LXP3
- Update of flux values for some variants
- Addition of column "Diffuser" to the tables 1 and 2 of the certificate:  
For standard luminaires, transparent diffuser will be used for all references.  
For emergency luminaires with LiFePO4 batteries, the transparent diffuser will be used.  
For emergency luminaires with Ni-Cd and Ni-Mh batteries, the opal diffuser will be used.
- Correction of references of standard version luminaires of table 1:  
LSIPC1100ML, LSIPC1200ml, and LSIPC3110AW instead of LSPC1100ML, LSPC1200ML, and LSPC3110AW.
- Addition of references LSPC3110LAP3 and LSPC3110LXP3 (equivalent to LSVC3110LAWP3, version without WIFI module)
- Addition of references LSVC3110LAP3 and LSVC3110LXP3 (equivalent au LSVC3110LAWP3, version without WIFI module)

## Annex:

[IECEX INE 21.0022X-02\\_Annex.pdf](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX INE 21.0022X**

Page 1 of 4

Issue No: 02

Annex: IECEX INE 21.0022X-02\_Annex.pdf

## **PARAMETERS RELATING TO THE SAFETY**

The electrical parameters of luminaires and ambient temperatures depending on the different variations are specified in the Table 1 (standard version) and Table 2 (standard and/or emergency version) at the end of the certificate.

For standard version, the luminaires can be used in the following ambient temperature range:

- From -20°C to +50°C: Sizes E1, E2 and E3 made in polycarbonate
- From -20°C to +55°C: Sizes E1, E2, E3 made in glass.

For emergency version, the luminaires can be used in the following ambient temperature range:

- From 0°C to +50°C: Sizes E1, E2 and E3 made in polycarbonate
- From 0°C to +55°C: for Sizes E1, E2, E3 made in glass. When fitted with the battery pack LiFePO4, the maximum ambient temperature allowed is +50°C.

## **MARKING**

Marking has to be readable and indelible; it has to include the following indications:

- ELECTROZEMPER SA
- 13005 CIUDAD REAL – SPAIN
- SATURNO type ... (\*)
- IECEX INE 21.0022X
- (Serial number)
- Ex db IIC T6 Gb
- Ex tb IIIC T85°C Db
- IP66
- T. Amb : (\*\*)
- Cable entry: 3/4 NPT
- WARNINGS:
  - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
  - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

(\*) The dots are replaced by a codification according to the manufacturing variations as listed in Table 1 and Table 2 at the end of the certificate.

(\*\*) Range of ambient temperature: See Table 1 and Table 2 at the end of the certificate.

## **ROUTINE EXAMINATIONS AND TESTS**

In accordance with clause 16.1 of the IEC 60079-1 standard each piece of equipment has to have successfully passed, before delivery, an overpressure test during at least 10 seconds under:

- 13.4 bar for the Size E1
- 12.7 bar for the Size E2
- 12.8 bar for the Size E3



# IECEX Certificate of Conformity

Certificate No.:

IECEX INE 21.0022X

Page 2 of 4

Issue No: 02

Annex: IECEX INE 21.0022X-02\_Annex.pdf

## TABLES

TABLE 1 : Standard luminaire version					
Reference	Rated supply voltage	Flux (lm)	Housing	Ambient Temperature	Diffuser
LSIPC1100	220-240V 50-60Hz/ 220-240Vdc	1300	E1 PC (*)	-20°C +50°C	Transparent
LSIPC1100ML	AC 230V 50-60Hz/ DC 216 V	1300	E1 PC (*)	-20°C +50°C	Transparent
LSIPC1200	220-240V 50-60Hz / 220-240Vdc	2400	E1 PC (*)	-20°C +50°C	Transparent
LSIPC1200ML	AC 230V 50-60Hz / DC 216 V	2400	E1 PC (*)	-20°C +50°C	Transparent
LSIPC2200	220-240V 50-60Hz / 220-240Vdc	2600	E2 PC (*)	-20°C +50°C	Transparent
LSIPC22005	220-240V 50-60Hz/ 220-240Vdc	2600	E2 PC (*)	-20°C +50°C	Transparent
LSIPC2200A	220-240V 50-60Hz/ 220-240Vdc	2600	E2 PC (*)	-20°C +50°C	Transparent
LSIPC2200AK	220-240V 50Hz	2600	E2 PC (*)	-20°C +50°C	Transparent
LSIPC2200ML	AC 230V 50-60Hz / DC 216 V	2600	E2 PC (*)	-20°C +50°C	Transparent
LSIPC2400	220-240V 50-60Hz/ 220-240Vdc	5100	E2 PC (*)	-20°C +50°C	Transparent
LSIPC2400ML	AC 230V 50-60Hz / DC 216 V	5100	E2 PC (*)	-20°C +50°C	Transparent
LSIPC3110	220-240V 50-60Hz/ 220-240Vdc	13600	E3 PC (*)	-20°C +50°C	Transparent
LSIPC3110A	220-240V 50-60Hz/ 220-240Vdc	13600	E3 PC (*)	-20°C +50°C	Transparent
LSIPC3400	220-240V 50-60Hz/ 220-240Vdc	5500	E3 PC (*)	-20°C +50°C	Transparent
LSIPC34005	220-240V 50-60Hz/ 220-240Vdc	5500	E3 PC (*)	-20°C +50°C	Transparent
LSIPC3400A	220-240V 50-60Hz/ 220-240Vdc	5500	E3 PC (*)	-20°C +50°C	Transparent
LSIPC3400AK	220-240V 50Hz	5500	E3 PC (*)	-20°C +50°C	Transparent
LSIPC3400ML	AC 230V 50-60Hz / DC 216 V	5500	E3 PC (*)	-20°C +50°C	Transparent
LSIPC3110AW	220-240V 50Hz	13600	E3 PC (*)	-20°C +50°C	Transparent
LSIVC1100	220-240V 50-60Hz/ 220-240Vdc	1400	E1 V (*)	-20°C +55°C	Transparent
LSIVC1100ML	AC 230V 50-60Hz / DC 216 V	1400	E1 V (*)	-20°C +55°C	Transparent
LSIVC1200	220-240V 50-60Hz/ 220-240Vdc	2500	E1 V (*)	-20°C +55°C	Transparent
LSIVC1200ML	AC 230V 50-60Hz / DC 216 V	2500	E1 V (*)	-20°C +55°C	Transparent
LSIVC2200	220-240V 50-60Hz / 220-240Vdc	2750	E2 V (*)	-20°C +55°C	Transparent
LSIVC22005	220-240V 50-60Hz / 220-240Vdc	2750	E2 V (*)	-20°C +55°C	Transparent
LSIVC2200A	220-240V 50-60Hz/ 220-240Vdc	2850	E2 V (*)	-20°C +55°C	Transparent
LSIVC2200AK	220-240V 50Hz	2850	E2 V (*)	-20°C +55°C	Transparent
LSIVC2200ML	AC 230V 50-60Hz / DC 216 V	2750	E2 V (*)	-20°C +55°C	Transparent
LSIVC2400	220-240V 50-60Hz / 220-240Vdc	5350	E2 V (*)	-20°C +55°C	Transparent
LSIVC2400ML	AC 230V 50-60Hz / DC 216 V	5350	E2 V (*)	-20°C +55°C	Transparent
LSIVC3110	220-240V 50-60Hz / 220-240Vdc	14100	E3 V (*)	-20°C +55°C	Transparent
LSIVC3110A	220-240V 50-60Hz / 220-240Vdc	14100	E3 V (*)	-20°C +55°C	Transparent
LSIVC3400	220-240V 50-60Hz / 220-240Vdc	5750	E3 V (*)	-20°C +55°C	Transparent
LSIVC34005	220-240V 50-60Hz / 220-240Vdc	5750	E3 V (*)	-20°C +55°C	Transparent
LSIVC3400A	220-240V 50-60Hz / 220-240Vdc	5750	E3 V (*)	-20°C +55°C	Transparent
LSIVC3400AK	220-240V 50Hz	5750	E3 V (*)	-20°C +55°C	Transparent
LSIVC3400ML	AC 230V 50-60Hz / DC 216 V	5750	E3 V (*)	-20°C +55°C	Transparent

(\*) : PC : Tube polycarbonate / Polycarbonate tube, V : Tube verre / Glass tube

(\*\*): La référence peut être complétée par "G" lorsque le luminaire est peint en couleur grise et/ou "-6500" lorsque le luminaire est fourni avec de LED de couleur 6500K. Par exemple: LSIPC1100G-6500 / The reference could be completed by "G" when the luminaires in grey color and/or "-6500" when the luminaire is provided with LED colors 6500K. For instance: LSIPC1100G-6500



# IECEX Certificate of Conformity

Certificate No.:

IECEX INE 21.0022X

Page 3 of 4

Issue No: 02

Annex: IECEX INE 21.0022X-02\_Annex.pdf

**TABLE 2 : Luminaire version standard and/or emergency**

Reference	Rated supply voltage	Flux (lm)	Emergency flux (lm)	Housing	Ambient Temperature	Battery pack	Diffuser
LSPC1400EX	220-240V 50-60Hz		350	E1 PC (*)	0°C+50°C	3,6 V 1'6 Ah Ni-Mh	Opale
LSPC1400X	220-240V 50-60Hz		350	E1 PC (*)	0°C+50°C	3,6 V 1'6 Ah Ni Cd	Opale
LSPC1400X3	220-240V 50-60Hz		350	E1 PC (*)	0°C+50°C	3,6V 4Ah Ni-Cd	Opale
LSPC1700EXP	220-240V 50-60Hz	2150	750	E1 PC (*)	0°C+50°C	6V 2,2Ah Ni-Mh	Opale
LSPC1700X3	220-240V 50-60Hz		750	E1 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC1700XP	220-240V 50-60Hz	2150	750	E1 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC2400AP	220-240V 50-60Hz	2500	750	E2 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC2400AP3	220-240V 50-60Hz	2500	750	E2 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC2400XP	220-240V 50-60Hz	2500	750	E2 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC2400XP3	220-240V 50-60Hz	2500	750	E2 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC2700AP	220-240V 50-60Hz	4750	750	E2 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC2700AP3	220-240V 50-60Hz	4750	750	E2 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC2700EX	220-240V 50-60Hz		750	E2 PC (*)	0°C+50°C	6V 2,2Ah Ni-Mh	Opale
LSPC2700EXP	220-240V 50-60Hz	4750	750	E2 PC (*)	0°C+50°C	6V 4Ah Ni-Mh	Opale
LSPC2700X	220-240V 50-60Hz		750	E2 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC2700X3	220-240V 50-60Hz		750	E2 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC2700XP	220-240V 50-60Hz	4750	750	E2 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC2700XP3	220-240V 50-60Hz	4750	750	E2 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC3700AP	220-240V 50-60Hz	4750	750	E3 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC3700AP3	220-240V 50-60Hz	4750	750	E3 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC3700EXP	220-240V 50-60Hz	4750	750	E3 PC (*)	0°C+50°C	6V 2,2Ah Ni-Mh	Opale
LSPC3700XP	220-240V 50-60Hz	4750	750	E3 PC (*)	0°C+50°C	6V 1,6Ah Ni-Cd	Opale
LSPC3700XP3	220-240V 50-60Hz	4750	750	E3 PC (*)	0°C+50°C	6V 4Ah Ni-Cd	Opale
LSPC3110LAWP3	220-240V 50-60Hz	13600	980	E3 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC3110LAP3	220-240V 50-60Hz	13600	980	E3 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC3110LXP3	220-240V 50-60Hz	13600	980	E3 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC1400LX	220-240V 50-60Hz		460	E1 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC1400LX3	220-240V 50-60Hz		460	E1 PC (*)	0°C+50°C	3.2V 6.0Ah LiFePO4	Transparent
LSPC1700LX3	220-240V 50-60Hz		840	E1 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC1700LXP	220-240V 50-60Hz	2400	840	E1 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC2700LX	220-240V 50-60Hz		890	E2 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC2700LX3	220-240V 50-60Hz		890	E2 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC2400LXP	220-240V 50-60Hz	2600	870	E2 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC2700LAP	220-240V 50-60Hz	5100	830	E2 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC2400LAP	220-240V 50-60Hz	2600	870	E2 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC2700LXP	220-240V 50-60Hz	5100	890	E2 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC2400LXP3	220-240V 50-60Hz	2600	870	E2 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC2700LAP3	220-240V 50-60Hz	5100	830	E2 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC2400LAP3	220-240V 50-60Hz	2600	870	E2 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC2700LXP3	220-240V 50-60Hz	5100	890	E2 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC3700LAP	220-240V 50-60Hz	5550	980	E3 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC3700LXP	220-240V 50-60Hz	5550	980	E3 PC (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSPC3700LAP3	220-240V 50-60Hz	5550	980	E3 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSPC3700LXP3	220-240V 50-60Hz	5550	980	E3 PC (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC1400EX	220-240V 50-60Hz		400	E1 V (*)	0°C+55°C	3,6 V 1'6 Ah Ni-Mh	Opale
LSVC1400X	220-240V 50-60Hz		400	E1 V (*)	0°C+55°C	3,6 V 1'6 Ah Ni Cd	Opale
LSVC1400X3	220-240V 50-60Hz		400	E1 V (*)	0°C+55°C	3,6V 4Ah Ni-Cd	Opale



# IECEX Certificate of Conformity

Certificate No.:

IECEX INE 21.0022X

Page 4 of 4

Issue No: 02

Annex: IECEX INE 21.0022X-02\_Annex.pdf

**TABLE 2 : Luminaire version standard and/or emergency**

Reference	Rated supply voltage	Flux (lm)	Emergency flux (lm)	Housing	Ambient Temperature	Battery pack	Diffuser
LSVC1700EXP	220-240V 50-60Hz	2500	800	E1 V (*)	0°C+55°C	6V 4Ah Ni-Mh	Opale
LSVC1700X3	220-240V 50-60Hz		800	E1 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC1700XP	220-240V 50-60Hz	2500	800	E1 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC2400AP	220-240V 50-60Hz	2650	800	E2 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC2400XP	220-240V 50-60Hz	2650	800	E2 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC2400XP3	220-240V 50-60Hz	2650	800	E2 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC2400AP3	220-240V 50-60Hz	2650	800	E2 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC2700AP	220-240V 50-60Hz	5000	800	E2 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC2700AP3	220-240V 50-60Hz	5000	800	E2 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC2700EX	220-240V 50-60Hz	5000	800	E2 V (*)	0°C+55°C	6V 2,2Ah Ni-Mh	Opale
LSVC2700EXP	220-240V 50-60Hz	5000	800	E2 V (*)	0°C+55°C	6V 4Ah Ni-Mh	Opale
LSVC2700X	220-240V 50-60Hz		800	E2 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC2700X3	220-240V 50-60Hz		800	E2 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC2700XP	220-240V 50-60Hz	5000	800	E2 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC2700XP3	220-240V 50-60Hz	5000	800	E2 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC3700AP	220-240V 50-60Hz	5000	800	E3 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC3700AP3	220-240V 50-60Hz	5000	800	E3 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC3700EXP	220-240V 50-60Hz	5000	800	E3 V (*)	0°C+55°C	6V 2,2Ah Ni-Mh	Opale
LSVC3700XP	220-240V 50-60Hz	5000	800	E3 V (*)	0°C+55°C	6V 1,6Ah Ni-Cd	Opale
LSVC3700XP3	220-240V 50-60Hz	5000	800	E3 V (*)	0°C+55°C	6V 4Ah Ni-Cd	Opale
LSVC3110LAWP3	220-240V 50-60Hz	14100	1020	E3 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC3110LAP3	220-240V 50-60Hz	14100	1020	E3 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC3110LXP3	220-240V 50-60Hz	14100	1020	E3 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC1400LX	220-240V 50-60Hz		480	E1 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC1400LX3	220-240V 50-60Hz		480	E1 V (*)	0°C+50°C	3.2V 6.0Ah LiFePO4	Transparent
LSVC1700LX3	220-240V 50-60Hz		880	E1 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC1700LXP	220-240V 50-60Hz	2750	880	E1 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC2700LX	220-240V 50-60Hz		930	E2 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC2700LX3	220-240V 50-60Hz		930	E2 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC2400LXP	220-240V 50-60Hz	2750	920	E2 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC2700LAP	220-240V 50-60Hz	5350	870	E2 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC2400LAP	220-240V 50-60Hz	2850	920	E2 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC2700LXP	220-240V 50-60Hz	5350	930	E2 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC2400LXP3	220-240V 50-60Hz	2750	920	E2 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC2400LAP3	220-240V 50-60Hz	2850	920	E2 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC2700LAP3	220-240V 50-60Hz	5350	870	E2 V (*)	0°C+50°C	3.2V 9.0Ah LiFePO4	Transparent
LSVC2700LXP3	220-240V 50-60Hz	5350	930	E2 V (*)	0°C+50°C	3.2V 9.0Ah LiFePO4	Transparent
LSVC3700LAP	220-240V 50-60Hz	5750	1020	E3 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC3700LXP	220-240V 50-60Hz	5750	1020	E3 V (*)	0°C+50°C	3.2V 3.0Ah LiFePO4	Transparent
LSVC3700LAP3	220-240V 50-60Hz	5750	1020	E3 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent
LSVC3700LXP3	220-240V 50-60Hz	5750	1020	E3 V (*)	0°C+50°C	3.2 V 9.0Ah LiFePO4	Transparent

(\*) : PC : Polycarbonate tube, V : Glass tube

(\*\*) The reference could be completed by "G" when the luminaires in grey color and/or "-6500" when the luminaire is provided with LED colors 6500K. For instance: LSPC1400EXG-6500