

# Certificate of Constancy of Performance

**Intertek**

## 0359-CPR-00615

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

**Product(s):** Premium Ceiling Loudspeakers  
(refer to attached appendix for details and conditions)

**placed on the market under the name or trade mark of:** Bosch Security Systems Inc.  
130 Perinton Parkway, Fairport, New York, 14450, United States of America

**and produced in the manufacturing plant(s):** Dong Guan Lightion Electronics Co. Ltd. (DCLECLCN.01)  
Meilin District, Dalingshan, Dongguan, Guang Dong, China 523823

**Intended use:** Fire Safety

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

### EN54-24:2008

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **26<sup>th</sup> January 2017** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

## Notified Body

**0359**

Intertek Testing & Certification Limited  
Cleeve Road, Leatherhead  
Surrey, KT22 7SB  
Tel: + 44 (0)1372 370900  
Fax: +44 (0)1372 370977  
E-mail: [cpd.uk@intertek.com](mailto:cpd.uk@intertek.com)

Billy Blakeman  
Certification Officer



Date 26/01/2017  
Issue 1

[www.intertek.com](http://www.intertek.com)

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ, United Kingdom

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## 0359-CPR-00615

### Appendix to Certificate of Constancy of Performance 0359-CPR-00615

The details and conditions of use for the Premium Ceiling Loudspeakers, placed on the market under the name or trade mark of:

**Bosch Security Systems Inc.**

130 Perinton Parkway, Fairport, New York, 14450, United States of America

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

**Products compliant with EN54-24:2008**

Model	Manufacturing Location	Description
Bosch LC20-PC60G6-8E	DCLECLCN.01	8-inch Premium Ceiling Loudspeaker (White)
Bosch LC20-PC60G6-6E	DCLECLCN.01	6-inch Premium Ceiling Loudspeaker (White)
Electro-Voice EVID-PC8.2E	DCLECLCN.01	8-inch Premium Ceiling Loudspeaker (White)
Electro-Voice EVID-PC6.2E	DCLECLCN.01	6-inch Premium Ceiling Loudspeaker (White)

**Conditions of use:**

Suitable for indoor (Type A) applications only.

The weatherised terminal cover must be used in all EN54 installations.

The following equalisation settings must be applied in all EN54 installations:-

- Bosch LC20-PC60G6-8E and Electro-Voice EVID-PC8.2E: -8 dB gain at 152 Hz, Q-factor of 2.
- Bosch LC20-PC60G6-6E and Electro-Voice EVID-PC6.2E: -6 dB gain at 180 Hz, Q-factor of 2.

**Approved settings:**

The following transformer power settings and direct-coupled rated impedance settings have been approved:-

	Transformer Power Settings		Direct-coupled Rated Impedance Settings
	70 V	100 V	
<b>Bosch LC20-PC60G6-8E</b>	60 W, 30 W, 15 W, 7.5 W	60 W, 30 W, 15 W	8 Ω
<b>Bosch LC20-PC60G6-6E</b>			
<b>Electro-Voice EVID-PC8.2E</b>			
<b>Electro-Voice EVID-PC6.2E</b>			

**General notes:**

1. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.