BRE Global Ireland

Notified Body No. 2831
BRE Global Assurance (Ireland) Limited
DCU Alpha, Old Finglas Road
Glasnevin, Dublin, D11 KXN4
Ireland
T: +353 (0) 18824344
E: enquiries@breglobalireland.ie
www.breglobalireland.ie

Certificate of constancy of performance

2831-CPR-F0565

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

YBO-BSB2/RL Analogue Addressable Type A Base Sounder (Red LED) Beacon
(For full product details and conditions of use refer to appendix)

Placed on the market under the name or trade mark of:

Hochiki Europe (UK) Ltd
Grosvenor Road
Gillingham Business Park
Gillingham, Kent
ME8 0SA
United Kingdom

and produced in the manufacturing plant(s):

Hochiki Europe (UK) Ltd
Grosvenor Road
Gillingham Business Park
Gillingham, Kent
ME8 0SA
United Kingdom

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

EN 54-3: 2001 + A1:2002 + A2:2006 - Sounders
EN 54-23: 2010 – Visual Alarm Devices

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 16 October 2019 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

P. Halligan, Certification Engineer

On behalf of BRE Global Assurance (Ireland) Limited

Date of First Issue:	16 October 2019
Date of Issue:	16 October 2019
Issue number	01

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APPENDIX to Certificate of constancy of performance: 2831-CPR-F0565

YBO-BSB2/RL Analogue Addressable Type A Base Sounder (Red LED) Beacon

Bases

YBO-R/3(WHT)	Standard Base
YBO-R/SCI(RED)	Isolator Base
YBN-R/3(WHT)-SCI	Isolator Base
YBO-R/3(RED)	Standard Base
YBN-R/3(WHT)	Standard Base

Notes:

1. The Ceiling mounted VAD meets the requirements of EN 54-23:2010 for the following:
- Category O
- Flash rate 0.5Hz
- Synchronization
2. Meets the requirements of EN 54-3 for all 51 tones as detailed below:

Approved Tones:

1 – 925 Hz : 250 ms / 628 Hz : 250 ms
2 – 925 Hz Continuous
3 – 628 Hz Continuous
4 – (French) 554 Hz : 100 ms / 440 Hz : 400 ms
5 – (Swedish) 660 Hz : 150 ms / Off : 150 ms
6 – 925 Hz : 150 ms / Off : 600 ms
7 – 670 Hz : 250 ms / 845 Hz : 370 ms
8 – Whoop 500 Hz – 1200 Hz : 3000 ms / Off : 500 ms
9 – 1200 Hz : 500 ms / 500 Hz : 500 ms
10 – 970 Hz : 500 ms / Off : 500 ms
11 – Sweep 800 Hz – 970 Hz over 140 ms (7 Hz)
12 – Sweep 800 Hz – 970 Hz over 1000 ms (1 Hz)
13 – Sweep 800 Hz – 970 Hz over 20 ms (50 Hz)
14 – Sweep 2400 Hz – 2850 Hz over 140 ms (7 Hz)
15 – Sweep 2400 Hz – 2850 Hz over 1000 ms (1 Hz)
16 – Sweep 300 Hz – 1200 Hz over 1000 ms (1 Hz)
17 – ISO8201 : 970 Hz : 500 ms / Off : 500 ms
18 – ISO8201 : 2850 Hz : 500 ms / Off : 500 ms
19 – 800 Hz : 250 ms / 970 Hz : 250 ms

P. Halligan.

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20 – 2850 Hz Continuous
21 - 2400 Hz : 250 ms / 2850 Hz : 250 ms
22 - 800 Hz : 500 ms / 970 Hz : 500 ms
23 - 2850 Hz : 500 ms / Off : 500 ms
24 - 925 Hz : 250 ms / Off : 1000 ms
25 - 970 Hz Continuous
26 - 660 Hz : 1800 ms / Off: 1800 ms
27 - 660 Hz : 6500 ms / Off : 13000 ms
28 - 660 Hz Continuous
29 - 554 Hz : 500 ms / 440 Hz : 500 ms
30 - 660 Hz : 500 ms / Off : 500 ms
31 - 2850 Hz : 150 ms / Off : 100 ms
32 - Sweep 2400 Hz - 2850 Hz over 20 ms (50 Hz)
33 - Sweep 800 Hz - 970 Hz over 500 ms (2 Hz)
34 - 988 Hz : 250 ms / 645 Hz : 250 ms
35 - 510 Hz : 250 ms / 610 Hz : 250 ms
36 - Sweep 800 Hz - 970 Hz over 110 ms (9 Hz)
37 - Sweep 800 Hz - 970 Hz over 330 ms (3 Hz)
38 - 845 Hz Continuous
39 - 970 Hz : 1000 ms / Off : 1000 ms
40 - 800 Hz : 150 ms / 970 Hz : 150 ms
41 - Sweep 2400 Hz - 2850 Hz over 110 ms (9 Hz)
42 - Sweep 2400 Hz - 2850 Hz over 330 ms (3 Hz)
43 - 2850 Hz : 1000 ms / Off : 1000 ms
44 - 2400 Hz : 150 ms / 2850 Hz : 150 ms
45 - (German) Whoop 1200 Hz - 500 Hz : 1000ms / Off : 10 ms
46 - 440 Hz : 600 ms / Off : 600 ms
47 - Whoop 500 Hz - 1200 Hz : 3750 ms / Off : 250 ms
48 - ISO8201 : 925 Hz, 628 Hz : 250 ms / Off 500 ms
49 - ISO8201 : Sweep 300 Hz - 1200 Hz : 500 ms / Off : 500 ms
50 - ISO8201 : Sweep 1200 Hz - 300 Hz : 500 ms / Off : 500 ms
51 - Whoop 500-1200 3500 ms / Off 500 ms

Variants:

YBO-BSB2(WHT)/RL	Analogue Addressable Type A Base Sounder (Red LED) Beacon – White Body
YBO-BSB2(WHT)/RL-HFP	Analogue Addressable Type A Base Sounder (Red LED) Beacon – White Body
YBO-BSB2(RED)/RL	Analogue Addressable Type A Base Sounder (Red LED) Beacon – Red Body

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YBO-BSB2(BLK)/RL Analogue Addressable Type A Base Sounder (Red LED) Beacon – Black Body

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