

DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

N° 0832-CPR-F0561/14

Product Name: CHQ-CB/RL, CHQ-CB(RED)/RL, CHQ-CB(WHT)/RL,
CHQ-CB(RED)/RL-HFP, CHQ-CB(WHT)/RL-HFP

Intended use: Intelligent analogue addressable loop powered ceiling beacon for use in fire
detection and alarm systems for buildings.

Manufactured by: Hochiki Europe (UK) Ltd, Grosvenor Road,
Gillingham, Kent, ME8 0SA

Authorised representative: N/A

System of Assessment: System 1

Assessed by: BRE Global Limited (Notified Body 0832) has performed type testing of the
product, initial inspection of the manufacturing plant and of factory
production control with continuous surveillance, assessment and evaluation
of factory production control under system 1 and issued following certificate
of conformity:

0832-CPR-F0561

Declared performance: All requirements including all essential characteristics⁽¹⁾ and corresponding
performances⁽²⁾ as described in the harmonised standards:
EN54-23:2010 Fire detection and fire alarm systems - Part 3:
Fire Alarm Devices - Visual alarm devices
for the intended uses indicated above have been determined.

⁽¹⁾See Annex A for the Essential Characteristics details

⁽²⁾See Annex B for additional performance details

The performance of the above mentioned products are in conformity with the performance and essential characteristics declared within
this certificate. This declaration of performance is issued under the sole responsibility of Hochiki Europe (UK) Ltd.

Signed for and on behalf of the manufacturer by:

.....
Ray Turner
General Manager of Operation

Date of issue 17th October 2014

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HOCHIKI EUROPE (UK) LIMITED

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Butlers Wharf, London SE1 2LR
Registered in England no. 2639909
VAT no. GB 573 8188 03



Annex A - Essential Characteristics

Product: Fire detection and fire alarm systems – Alarm devices – Visual alarm devices (VADs)			
Intended use: Fire detection and fire alarm systems installed in and around buildings			
Essential characteristics	Requirement clauses in this and other European Standard(s)	Level(s) or class(es)	Notes
Operational reliability:			
Duration of operation	4.2.1	N/A	Pass
Provision for external conductors	4.2.2	N/A	Pass
Flammability of materials	4.2.3	N/A	Pass
Enclosure protection	4.2.4	N/A	Pass
Access	4.2.5	N/A	Pass
Manufacturer's adjustments	4.2.6	N/A	Pass
On-site adjustment of behaviour	4.2.7	N/A	Pass
Requirements for software controlled devices	4.2.8	N/A	Pass
Performance parameters under fire condition:			
Coverage volume	4.3.1	N/A	Pass
Variation of light output	4.3.2	N/A	Pass
Minimum and maximum light intensity	4.3.3	N/A	Pass
Light colour	4.3.4	N/A	Red
Light temporal pattern and frequency of flashing	4.3.5	N/A	Pass/Hz ⁽³⁾
Marking and data	4.3.6	N/A	Pass
Synchronization (option with requirements)	4.3.7	N/A	Pass
Durability:			
Temperature resistance:			
Dry heat (operational)	4.4.1.1	N/A	Pass
Dry heat (endurance)	4.4.1.2	N/A	Pass
Cold (operational)	4.4.1.3	N/A	Pass
Humidity resistance:			
Damp heat, cyclic (operational)	4.4.2.1	N/A	Pass
Damp heat, steady state (endurance)	4.4.2.2	N/A	Pass
Damp heat, cyclic (endurance)	4.4.2.3	N/A	Pass
Shock and vibration resistance:			
Shock (operational)	4.4.3.1	N/A	Pass
Impact (operational)	4.4.3.2	N/A	Pass
Vibration (operational)	4.4.3.3	N/A	Pass
Vibration (endurance)	4.4.3.4	N/A	Pass
Corrosion resistance:			
SO ₂ corrosion (endurance)	4.4.4	N/A	Pass
Electrical stability:			
EMC, immunity (operational)	4.4.5	N/A	Pass

⁽³⁾ See Annex B – Additional Performance Details



Annex B – Additional Performance Details

Setting	Nominal Current consumption mA	Power consumption W	Light Coverage distance at 0.5 Hz	Cylindrical Volume m³	Light Coverage distance at 1Hz	Cylindrical Volume m³
(LOL 0)	6.1	0.25	O-2.5-6.0; O-2.7-3.0	70.68 65.03	O-1.75-4.6	29.08
(LOL 1)	11.6	0.48	C-3-7.5; O-3.2-6.3; O-3.4-3.8	132.53 99.75 38.55	O-2.3-6.0; O-2.5-2.7	65.03 14.31
(LOL 2)	16.8	0.69	C-3-9.5; O-3.7-9.5; O-4-4.5	212.64 262.26 63.61	C-3-3.4; O-2.7-7.1; O-2.8-5.5	27.23 106.89 66.52

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