

DECLARATION OF PERFORMANCE

No. 2831-CPR-F2179

1. Unique identification code of the product-type:
EDB01
Accessories:
1 x Prism Reflector
4 x Prism Reflector
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
Reflective Beam Smoke Detector
3. Intended use or use of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
Meets the requirements of EN 54-12: 2015 at sensitivity settings: 18%, 25%, 35% and 50% / Suitable for use at the following separation ranges:
5 to 20 meters Short Path (1 x prism reflector required)
20 to 50 meters Short Path (1 x prism reflector required)
50 to 70 meters Normal Path (4 x prism reflector required)
70 to 100 meters Long Path (4 x prism reflector required)
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
Placed on the market under the name or trade mark of and produced in the manufacturing plant:
Horing Lih Industrial Co., Ltd.
No. 35, Er-Hu Road, Hu-Hsi Village, Yuan-Shan Hsiang, Yilan Hsien, 26445, Taiwan.
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 1
6. In case of the declaration of performance concerning a construction product covered by a harmonized standard:
EN 54-12: 2015 Beam Detectors
7. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:
2831-CPR-F2179
8. Declared performance
All requirements including all Essential Characteristics and the corresponding performance for the intended use uses indicate in 3 have been determined as described in the EN mentioned in the following table.

Essential characteristics	Performance	Harmonized technical specification EN 54-12: 2015
Individual alarm indication	Pass	4.2.1
Connection of ancillary devices	Pass	4.2.2
Manufacturer's adjustments	Pass	4.2.3
On-site adjustment	Pass	4.2.4
Protection against ingress of foreign bodies	Pass	4.2.5
Monitoring of detachable detectors	Pass	4.2.6
Requirements for software controlled detectors	Pass	4.2.7
Reproducibility (18% Setting) Submission 3 (Ratio 1 & 2) Mean Response Point 0.88 dB	Pass	5.3.1
Reproducibility (50% Setting) Submission 3 (Ratio 1 & 2) Mean Response Point 1.40 dB	Pass	5.3.1
Repeatability	Pass	5.3.2
Tolerance to beam misalignment	Pass	5.3.3
Repid changes in attenuation (18% and 50% setting)	Pass	5.3.4
Response of slowly developing fires	Pass	5.3.5
Optical path length dependence	Pass	5.3.6
Stray light	Pass	5.3.7
Variation of supply parameters	Pass	5.4
Fire sensitivity	Pass	5.5.1
Dry heat (operational)	Pass	5.6.1.1
Cold (operational)	Pass	5.6.1.2
Damp heat, steady state (operational)	Pass	5.6.2.1
Damp heat, steady state (endurance)	Pass	5.6.2.2
Vibration (endurance)	Pass	5.6.3.1
Impact (operational)	Pass	5.6.3.2
Electrostatic discharge (operational)	Pass	5.6.4 a)
Radiated EM fields (operational)	Pass	5.6.4 b)
Conducted disturbances (operational)	Pass	5.6.4 c)
Fast transient bursts (operational)	Pass	5.6.4 e)
SO ₂ corrosion (endurance)	Pass	5.6.5
Marking, labelling and packaging	Pass	8.0

9. The performance of the product identified in points 1 and 2 is in conformity with the performance in point 8 in compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of Construction Products Regulation or CPR.

This declaration of performance is issued under the sole responsibility of the manufacturer identified on point 4.

Signed for and on behalf of the manufacturer by:

Horing Lih Industrial Co., Ltd.

Date: 20-June-2020

HORING LIH INDUSTRIAL CO., LTD

Jane Wang
Authorized Signature

