

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU 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

**VMS16S-4535RGB, VMS10S-4535RGB**

Scope: Vertical road signs – Variable message traffic signs

The product fulfils the essential characteristic:

**See Annex 1**

Intended use: Variable Message Signs installed permanently for the instruction and guidance of road users on public and private road including tunnels

Placed on the market under the name or trade mark of:  
**Shenzhen Chip Optech Co., Ltd.  
5th Floor, Tower C,  
Baoshi Technological Park  
Baoshi Road, Shiyan Street, Bao'an District, Shenzhen City  
China**

and produced in the manufacturing plant:  
**CPA30019**

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

**EN 12966-1:2005+A1:2009** : **Road vertical signs - Variable message traffic signs - Part 1: Product standard**

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 2025-06-17 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: **2026-05-08**.

(This certificate supersedes the previous version of this certificate issued 2025-06-17)



Christina Østergaard  
Responsible for evaluation



Lene Skovbjerg  
Responsible for certification decision

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Annex 1

**EXTENT**

Type	Performance
VMS16S-4535RGB VMS10S-4535RGB	<p><b>Optical:</b>                      Colour: C2                      Luminance: L3, L3(*)                      Luminance ratio: R3                      Beam width: B6                      Uniformity: Pass                      Visible flicker: Pass</p> <p><b>Physical environmental</b>                      Temperature: T1, T3                      Resistance to pollution: D3                      Resistance to corrosion: Pass                      Degrees of protection provided by enclosure: P3 (IP56)</p> <p><b>Physical structural</b>                      Safety factors: NPD                      Wind pressure: NPD                      Dynamic pressure from snow clearances: NPD                      Point loads: NPD                      Temporary deflections bending: NPD                      Temporary deflections torsion: NPD                      Passive safety: Class0                      Impact resistance: Pass                      Vibration resistance: Pass</p> <p><b>Dangerous substances:</b>                      Dangerous substances: NPD</p>

Annex 2

**TEST DOCUMENTATION**

Accredited Laboratory	Report no.	Date
SGS-CSTC	GZEE231100455301 Amendment 01	2026-02-27
	GZEE231100455331 Amendment 01	2026-02-10
	GZEM231100642402	2026-02-26
	GZES231102107501 Amendment 01	2026-02-02
	GZES231102107502 Amendment 01	2026-02-02
	GZES231102107503 Amendment 01	2026-02-02
	GZES231102107504 Amendment 01	2026-02-02
	GZES231102107505 Amendment 01	2026-02-02

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Annex 3  
**TECHNICAL BASIS**

**VMS16S-4535RGB:**

File number	Title	Date
1.	Circuit diagram	2023-12-04, V1.0
2.	PCB layout	2023-12-04, V1.0
3.	User Manual	2024-02-02, V1.0
4.	Dimension drawing	2014-12-29, V A0
5.	Component lifetime declaration	2025-04-01
6.	No structural performance class declaration	2025-03-28
7.	VMS16S-4535RGB DOP-01	2025-04-01
8.	Build of material list VMS16S-4535RGB	2025-05-13
9.	Assembly drawing	Version A0

**VMS10S-4535RGB:**

File number	Title	Date
1.	Circuit diagram	2025-12-19, V1.0
2.	PCB layout	2025-03-10, V1.0
3.	Dimension drawing	Version A0
4.	User Manual	2024-02-02, V1.0
5.	CE label	2026
6.	Declaration	2026-02-06
7.	VMS10S-4535RGB DOP-01	2026-02-06
8.	Build of material list VMS10S-4535RGB	2025-12-13
9.	VMS10S-4535RGM Assembly Drawing	Version A0

**End of Certificate**

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