



ROAD SAFETY SOLUTIONS.

## EC/EU Declaration of Conformity (According to standard EN ISO/IEC 17050-1)

(translated from original)

The Manufacturer: **Adolf Nissen Elektrobau GmbH + Co. KG**  
Friedrichstädter Chaussee 4  
25832 Tönning / Germany

declares on its own responsibility that the following product:

Part number: **145562-151, 145562-152**

Product category/name: **Traffic light system / LZA 500-LED, LZA 500-LED for cable operation**

meets all technical requirements of the listed EC/EU directives,  
provided it is used for its intended purpose and in accordance  
with the operating/handling instructions of the manufacturer specified above:

<b>2011/65/EU</b>	RoHS Directive - Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment
<b>2014/30/EU</b>	EMC Directive - Directive on Electromagnetic Compatibility

The following harmonized standards or parts thereof have been applied:

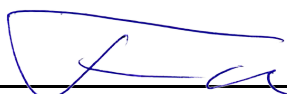
<b>EN IEC 63000:2018</b>	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
<b>EN 50293:2012</b>	Road traffic signal systems - Electromagnetic compatibility

The following technical standards/specifications or parts thereof have been applied:

<b>EN 12368:2024</b>	Traffic control equipment - Signal heads
<b>EN 60068-2-1:2007</b>	Environmental testing - Part 2-1: Tests - Test A: Cold
<b>EN 60068-2-2:2007</b>	Umgebungseinflüsse - Teil 2-2: Prüfverfahren - Prüfung B: Trockene Wärme
<b>EN 60068-2-30:2005</b>	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)
<b>EN 60068-2-64:2008 +A1:2019</b>	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance
<b>EN 60529:1991/ A2:2013/ AC:2019-02</b>	Degrees of protection provided by enclosures (IP Code)
<b>EN 62262:2002 + A1:2021</b>	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
<b>EN 55032:2015 +AC:2016 +A11:2020 +A1:2020</b>	Electromagnetic compatibility of multimedia equipment - Emission requirements
<b>EN IEC 61000-4-3:2020</b>	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
<b>EN IEC 61000-6-2:2019</b>	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
<b>EN IEC 61000-6-3:2021</b>	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments

Tönning, 25.02.2025

Place, date

  
Dipl.-Ing. Kai Freund, Managing Director