

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

N20, N20-3, N20-CB, N20-X, N20-X-3, N20-X-CB N40, N40-3, N40-CB, N40-X, N40-X-3, N40-X-CB, N55, N55-3, N55-CB, N68-C, N68-C3, N68-C-CB, N68R-C, N68R-C3, N68R-C-CB, N68-O, N68-O3, N68-O-CB, N68R-O, N68R-O3, N68R-O-CB N89-C, N89-C3, N89-C-CB, N89R-C, N89R-C3, N89R-C-CB, N89-O, N89-O3, N89-O-CB, N89R-O, N89R-O3, N89R-O-CB

The product fulfils the essential characteristic:

See Annex 1

Intended use: Applications related to automatic fire alarm systems

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

Oy Hedengren Security Ab
Lauttasaarentie 50
00200 Helsinki
Finland

and produced in the manufacturing plant:

CPA10074/CPA10075

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

EN 54-18:2005/AC:2007 : Fire detection and fire alarm systems - Part 18: Input/output 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 2025-01-21 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: **2025-01-21**



Kenneth Maronie
Responsible for evaluation



Chris Ellis
Responsible for certification decision

Annex 1

EXTENT

Type:

TECHNICAL CHARACTERISTICS

Supply voltage: 24-40V DC or AC

Battery: NiMH accumulator

ADDITIONAL INFORMATION

Approved for installation on YBN-R/3/WHT base.

Trade Mark: Neptolux

| | |
|---------------------------|---|
| Product type: | 20m Exit Sign Light |
| Model/type: | N20 / N20-3 / N20-CB / N20-X / N20-X-3 / N20-X-CB |
| Technical specifications: | 20m reading distance Comes in variations of sign-symbols and solutions |

| | |
|---------------------------|---|
| Product type: | 40m Exit Sign Light |
| Model/type: | N40 / N40-3 / N40-CB / N40-X / N40-X-3 / N40-X-CB |
| Technical specifications: | 40m reading distance Comes in variations of sign-symbols and solutions |

| | |
|---------------------------|--|
| Product type: | Emergency Light Luminary |
| Model/type: | N55 / N55-3 / N55-CB |
| Technical specifications: | Recessed illumination of escape path, suitable for steps |

| | |
|---------------------------|--|
| Product type: | Emergency Light Luminary |
| Model/type: | N68-C / N68-C3 / N68-C-CB / N68R-C / N68R-C3 / N68R-C-CB |
| Technical specifications: | Illumination of escape path, with rectangular lense for corridor pattern |

| | |
|---------------------------|---|
| Product type: | Emergency Light Luminary |
| Model/type: | N68-O / N68-O3 / N68-O-CB / N68R-O / N68R-O3 / N68R-O-CB |
| Technical specifications: | Illumination of escape path, with rounded omni-directional lense for area pattern |

| | |
|---------------------------|--|
| Product type: | Emergency Light Luminary |
| Model/type: | N89-C / N89-C3 / N89-C-CB / N89R-C / N89R-C3 / N89R-C-CB |
| Technical specifications: | Illumination of escape path, with rectangular lense for corridor pattern |

| | |
|---------------------------|---|
| Product type: | Emergency Light Luminary |
| Model/type: | N89-O / N89-O3 / N89-O-CB / N89R-O / N89R-O3 / N89R-O-CB |
| Technical specifications: | Illumination of escape path, with rounded omni-directional lense for area pattern |

The units are exit and emergency light luminaires which are connected to the alarm loop. The units are both controlled and charged via the alarm loop.

-CB versions are variants where the internal battery is removed and placed in a central battery system solution.

R versions are recessed versions. The shape of the circuit board is different, but is considered covered by testing on surface mounted versions.

Performance

| Essential characteristics | Clauses in EN 54-18:2005 | Performance |
|---|--------------------------|-------------|
| Response delay (response time) | 5.2.1) | Pass |
| Performance under fire conditions | 5.1.4 | Pass |
| Operational reliability | 5.1.4 | Pass |
| Durability of operational reliability; temperature resistance | 5.3, 5.4 | Pass |
| Durability of operational reliability; vibration resistance | 5.8 to 5.11 | Pass |
| Durability of operational reliability; humidity resistance | 5.5, 5.6 | Pass |
| Durability of operational reliability; corrosion resistance | 5.7 | Pass |
| Durability of operational reliability; electrical stability | 5.2, 5.12 | Pass |
| 1) Response delays may not be a function of the input/output device, in which case no assessment is made as part of this standard | | |

Annex 2

TEST DOCUMENTATION

| Accredited Laboratory | Report no. | Date |
|-----------------------|------------------|------------|
| Nemko | 356042TRF5418-r1 | 2020-05-15 |
| Nemko | E19083.02 | 2020-05-15 |

TECHNICAL BASIS

| File Number | Title | Date |
|--------------------------|----------------|------------|
| NEPCON-14xxx J8.xls | Technical file | 23/02/2024 |
| NEPTO89 version 11169 00 | Technical file | 29/05/2024 |
| NEPTO-SPOT 12xxx 05 | Technical file | 05/03/2024 |
| NEPTO-STEP 12169 00 | Technical file | 05/03/2024 |