

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the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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