DNV·GL

Certificate No:
TAS0000106

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Helideck Lighting System

with type designation(s)
Circle & H Netlight

Issued to
FRICTAPE NET OY
Klaukkala, Finland

is found to comply with
CAP 437 Standards for offshore helicopter landing areas
DNV GL rules for classification – Ships
DNVGL-OS-E401 – Helicopter decks
NORMAM-27/DPC Homologação de Helideques instalados em Embarcações e em Plataformas Marítimas

Application :

Helicopter Landing Deck

Issued at **Høvik** on **2017-04-20**
This Certificate is valid until **2022-04-19**.
DNV GL local station: **Helsinki**

Approval Engineer: **Pierre-Eric Moulia**

for **DNV GL**

Inger-Helene Hals
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-025625-1**
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Product description

Modular Lighting System integrated in Helicopter Landing net. It is tightened to the net and does not require to be fixed to the deck structure.
Manufacturer is Frictape Net OÜ, Estonia

Application/Limitation

Qualified for hazardous area zones 1 and 2.
Ambient temperature -30°C to +55°C (T5) / -30°C +40°C (T6)
Control Box and Distribution Box shall be delivered with ATEX certificates according to zone classification.

Type Approval documentation

Tests carried out

Internal prototype tests were performed by the manufacturer for resistance to fluids. CAP 437 photometric tests were performed by DIAL GmbH. Environmental tests were performed by 3rd party laboratory VTT Expert Services.

Marking of product

Product shall permanently marked to ensure good traceability.

Periodical assessment

For retention of the Type Approval, a DNVGL surveyor shall perform a survey after 2 years and another one after 3,5 years (+/- 90 days), to verify that the type approval is complied with.