

TRANBERG®

Member of the R. STAHL Technology Group

CHLITE OPERATION AND MAINTENANCE MANUAL



TRANBERG AS

First edition

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Revision

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Disclaimer

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Warning

The equipment to which this manual applies must only be used for the purpose for which it was designed. Improper use or maintenance may cause damage to the equipment and/or injury to personnel. The user must be familiar with the contents of the appropriate manuals before attempting to install, operate or work on the equipment.

Tranberg AS disclaims any responsibility for damage or injury caused by improper installation, use or maintenance of the equipment.

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1. Introduction

Read this instruction carefully before run the product.



This instruction is meant to be a guideline when you operate and maintain the CHLITE system.

The system is developed with respect to easy and safe operation and limited maintenance requirements.



WARNING

Installation, maintenance, overhaul and repair may only be carried out by appropriate authorized and trained personal!

Observe the following information during operation and maintenance:

- Any damages can invalidate the explosion protection
- National safety regulations
- Nation accident prevention regulations
- National maintenance regulations
- Generally recognized technical regulations
- Safety guidelines in these instructions

CHLITE Operation and Maintenance Manual

2. Operation

After a correct installation and adjustment for the lights in the “Bright”-modus the system is ready for operation.



TYPE	NAME/MEANS
LED blue	VOLTAGE PRESENT BLUE - power present at the Input terminals
SELECTOR left	SYSTEM (ON / OFF positions) If VOLTAGE PRESENT active allows to turn ON the System and the Circle & H lights
LED green	POWERED GREEN – System switched ON by means of the SYSTEM SELECTOR in ON position
SELECTOR right	INTENSITY (STANDARD / BRIGHT positions) when the Operator put the SYSTEM selector in ON position this will cause the Circle & H lights lines to turn on at the selected brightness level

System start:

- Control if the “VOLTAGE PRESENT” light is on
- Set the main switch “SYSTEM” to the position “ON”
→ The system is working

If you need a higher intensity set the” INTENSITY” switch to “BRIGHT”. Under landing procedure, switch the “INTENSITY” switch back to “STANDART”

3. Maintenance

The CHLITE system is designed to have limited maintenance requirement. All installed components on the helideck are maintenance free. Certainly, visual checks and system cleaning, e.g. removal from guano, fuel, dust, will be required.

If you have installed additional junction boxes to connect the system with the control unit, please make yourself familiar with the maintenance instruction for these parts!

3.1 Inspection

If you run the system make sure that all lights are working. If not follow the instructions under point 3.3 Troubleshooting to localized the problem.

Check weekly that all light elements are safely mounted on the helideck. Not correct fasten components have to fasten immediately!

Water or condensate water **inside** a lighting element shows a problem with the encapsulation and have to replace immediately!

Check that all cables on deck are protected by a cable guard or the light element cover. Not protected cables are not allowed on the helideck!

3.2 Cleaning



The CHLITE system can be clean with a high pressure water jet (max. pressure 30 bar). Make sure that the distance between the nozzle and the CHLITE system is higher than 0.5m.

If you use a hot water high pressure jet mark sure that the temperature is not higher than 60°C!

By using a chemical detergent, use only a mild water-based cleaning agent.



Cleaning with strong alkali agent can be matting the surface of the light elements!



Do not clean the CHLITE system with a steam cleaner!

3.3 Troubleshooting

The products are designed for their entire life without failures. The single Lighting Element cannot be individually replaced. However, even if one or more Lighting Elements are broken, the Line Light correct functioning is preserved.



WARNING! - DO NOT CONNECT OR SEPARATE WHEN ENERGIZED

Whenever possible, shut down the power supply before to operate maintenance operations.



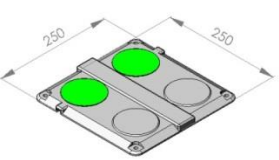
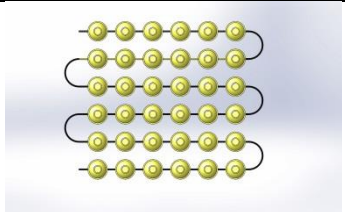
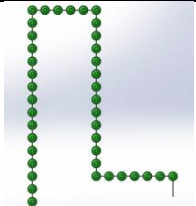
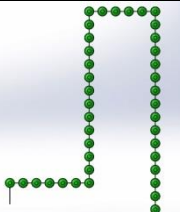
If compelled to work under voltage, adopt all the precautions against electrocution (i.e use rubber gloves, work in presence of an assistant, observe danger warnings, etc).

Failure	Action
The system is not working	Check if the "POWER IN" control light is ON → If not check the power connection to the control box → It is OK, check the main fuse from the system → It is OK, Call Tranberg AS to get technical help
Some lights do not work (random lights)	→ up to 10% of the lights can be fail before you have to change a light unit (e.g. a quarter of the circle or a quarter of the H) → Spare parts number:
Every second light of a quarter do not work	Driver or connecting problem of the concerned quarter → Control the connection of the circuit → If required change the driver of the concerned quarter It does not solve the problem, Call Tranberg AS to get technical help
A complete quarter do not work	Connection problem Check the connection between the quarter element and the control unit It does not solve the problem, Call Tranberg AS to get technical help
It is not possible to switch between "NORMAL" and "Bright"	It is a problem from the Intensity control unit → Check the thermal fuse in the intensity control unit; replace it when it is damaged → If not, replace the intensity control unit It does not solve the problem, Call Tranberg AS to get technical help

For further information's about the system or technical help call the technical hotline under:

+47 51 57 89 00

3.4 Spare Parts

Pos.	Description	Picture	Part number
1	Mounting cover circle lights		
2	Mounting cover H lights		
3	Mounting plate H 2x2		
4	Circle lights (quarter)		5 elements 6 elements 7 elements
5	H Lights L1 (quarter)		
6	H Lights L2 (quarter)		
7	Light intensity control unit		
8	LED-Driver		