

INNOTECH LIGHT



Instruction manual

DE – ACHTUNG: Die Verwendung des INNOTECH-Produkts ist erst zulässig, nachdem die Gebrauchsanleitung in der jeweiligen Landessprache vollständig gelesen und verstanden wurde.

EN – ATTENTION: Use of the INNOTECH product is only permitted after the instruction manual has been read and fully understood in the respective language.

IT – ATTENZIONE: L'utilizzo del prodotto INNOTECH è permesso solo previa lettura e comprensione dell'intero manuale di istruzioni nella lingua del relativo paese di utilizzo.

FR – ATTENTION : L'utilisation du produit INNOTECH n'est autorisée qu'après avoir entièrement lu et compris la notice d'utilisation dans la langue du pays concerné.

NL – ATTENTIE: Dit INNOTECH-product mag pas gebruikt worden nadat u de gebruikershandleiding in de taal van het betreffende land gelezen en begrepen hebt.

ES – ATENCIÓN: Se autorizará el uso de los productos INNOTECH una vez que se hayan leído y entendido las instrucciones de uso en el idioma del país.

PT – ATENÇÃO: O uso do produto INNOTECH apenas é permitido depois de ter lido e compreendido na totalidade as instruções de uso na respetiva língua nacional.

DK – GIV AGT: Du må først bruge et produkt fra Innotech, efter du har læst og forstået brugsvejledningen i fuldt omfang i dit lands sprog.

SV – O B S : Denna INNOTECH-produkt får inte användas förrän bruksanvisningen på respektive lands språk har lästs igenom och förstås.

CZ – POZOR: Práce s výrobkem INNOTECH je povolena teprve po kompletním přečtení a porozumění návodu k použití v jazyku daného státu.

PL – UWAGA: Produkty firmy INNOTECH mogą być używane dopiero po dokładnym zapoznaniu się z całą instrukcją obsługi w ojczystym języku.

SL – POZOR: Uporaba izdelka INNOTECH je dovoljena šele po tem, ko ste navodila prebrali v celoti v ustreznem jeziku svoje dežele in jih tudi razumeli.

SK – POZOR: Produkt INNOTECH môžete používať až po prečítaní a porozumení celého návodu na použitie pre príslušnú krajinu.

HU – FIGYELEM: Az INNOTECH termékek használata csak azt követően engedélyezett, hogy saját nyelvéen elolvasta és megértette a teljes használati utasítást.

TR – DİKKAT: INNOTECH ürününün kullanımına ancak ilgili ülkenin dilinde sunulmuş olan kullanım kılavuzunun tamamen okunmasından ve anlaşılmasından sonra izin verilir.

ZH – 注意: 只有在仔细阅读并完全理解了当地语言的使用说明后, 才能使用 INNOTECH 公司的产品。

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Warnings / Danger notices

For an IMMEDIATE danger, which could lead to severe injury or death.



For a POTENTIALLY dangerous situation, which could lead to severe injury or death.



For a POTENTIALLY dangerous situation, which could lead to injuries and property damage.



Wear protective gloves!



Wear protective glasses!

**Additional Information/Notice**

correct



incorrect



Follow the manufacturer's instructions/the respective user manuals.

The following safety instructions and the latest technological standards must be taken into account.

3.1 GENERAL

- The safety system may only be assembled according to the latest technological standards and by an appropriately trained, competent professional who is familiar with the safety system..
- The protective equipment may only be used by persons who:
 - are trained in the use of "Personal Protective Equipment"(PPE).
 - are physically and psychologically fit. Health restrictions such as heart/ circulatory problems, medication, alcohol consumption, etc. compromise the user's safety.
 - are familiar with the locally applicable safety regulations.
- All applicable accident prevention rules(e.g. those for work on roofs) must be followed during installation and use of the safety system..
- The possible uses, restrictions and risks of using the protective equipment must be understood and accepted.
- An emergency plan must be available which includes rescue measures for all possible emergencies.
- Before works begin, measures must be taken to ensure that no objects can fall down from the workspace. The area under the workspace (sidewalk, etc.) must be kept clear.
- The anchor point should be planned, installed and used in such a way that proper use of the personal protective equipment(PPE) makes a fall over the edge impossible. (See planning documents at www.innotech.at).
- The positions of the anchor points are to be visibly documented (e.g. with a sketch of the rooftop) at the access point to the roof safety system.
- If, after acceptance of the safety system, renovation work is undertaken near it, it must be established that this renovation has no impact on the safety of the installed safety system! If case of doubt, a structural engineer or the manufacturer must be consulted.
- After being subjected to the stress of a fall, the entire safety system is to be taken out of operation and inspected by a competent professional (component parts, fastenings to the substructure, etc.)
- The safety system must not be altered in any way.

- If access to the safety system is granted to an external contractor, the understanding of this user manual is to be confirmed in writing.
- Should the equipment be sold to a customer abroad, the user manual is to be provided in the appropriate local language!

3.2 FOR FITTERS: FOR SAFE INSTALLATION

- All stainless steel screws are to be treated with a suitable lubricant before assembly (included: Weicon AntiSeize ASW 10000 or equivalent).
- Stainless steel may not come into contact with sanding dust or steel tools, as this can lead to corrosion.
- Proper fastening of the safety system must be documented with fastening reports and photos of the respective circumstances of installation.
- Installers must ensure that the substructure is appropriate for the fastening of the anchoring materials. In case of doubt, consult a structural engineer.
- The roof covering must be sealed according to the appropriate regulations



Should any confusion arise during installation, it is the manufacturer must be contacted.

3.3 FOR USERS: FOR SAFE USE

- Correct use of the individual elements, including the "personal protective equipment" must be insured, since the safe functioning of the fall protection system is otherwise NOT guaranteed.
- The fall arrest system must NOT be used by children or pregnant women.



A)



B)



C)

A) Instruction manual

B) Type plate/sticker:

C) LIGHT: galvanised steel

INNOTECH "LIGHT" was developed as **fall-through prevention** for the personal safety of **1 person** (2 persons for first aid administration) for collective and permanent fall protection.



- **DANGER OF DEATH if used incorrectly.**
- Use INNOTECH "LIGHT-FLEX" ONLY for personal safety
- NEVER hang loads from INNOTECH "LIGHT-FLEX" that have not been approved in this instruction manual.



Follow the manufacturer specifications of the personal protective equipment used.

INNOTECH "LIGHT" has been tested and certified in accordance with **GS-BAU-18, February 2015 edition, 6.5.2.2 DIN EN 1873:2016 & 5.4.4.2 DIN EN 14963:2006.**

The authority notified for the type test:

DEKRA EXAM GmbH, Dinnendahlstraße 9, D-44809 Bochum

6.1 INSPECT BEFORE EACH USE

INNOTECH "LIGHT-FLEX" must be checked visually before each use for any obvious defects.



DANGER OF DEATH if INNOTECH "LIGHT-FLEX" is damaged.

- INNOTECH "LIGHT-FLEX" must be in faultless condition.

- INNOTECH "LIGHT-FLEX" must NO LONGER be used if:

- damage or wear on the components are visible,
- any other defects have been observed (loose screws, deformations, corrosion, wear, etc.),
- strain has occurred due to a fall (exception: first aid administration),
- the product designation is illegible.

connecti-

Check the entire fall protection system's suitability for use with the help of the acceptance and inspection reports.



**If there are any doubts concerning the reliable operation of the fall protection system, it must NOT be used until being checked by a qualified professional (with written documentation).
If necessary, replace the product.**

6.2 ANNUAL INSPECTIONS

INNOTECH "LIGHT-FLEX" must be inspected at least once annually by a qualified professional who is familiar with the system. The safety of the user depends on the effectiveness and durability of the equipment.

Shorter inspection intervals may be necessary, depending on the intensity and environment of use (e.g. in a corrosive atmosphere, etc.).

Document the inspection by the qualified professional in the inspection report included in the instruction manual and keep it on record with the manual.



Inspection intervals are found in the inspection report.

7

WARRANTY

The warranty period for manufacturing defects on all components (under normal conditions of use) is 2 years from the date of purchase. The term is shortened if they are used in corrosive atmospheres.

If there is a strain (fall, weight of snow, etc.) the warranty claim is void for those components that have been designed to absorb energy or that may have been deformed.



For system installation and for components planned and installed under the responsibility of specialised professional installation companies, INNOTECH neither assumes responsibility nor is it bound by warranty in the case of improper installation.

8

SIGNS & MARKINGS

A) Name or logo of the manufacturer/seller:

B) Type designation:

C) Sign that the instruction manual must be followed:

D) Name & address of the installation company:

E) Date of installation:

F) Number of the applicable norm:

INNOTECH

LIGHT



Installed by:

Year of installation:

GS-BAU-18

(A) **INNOTECH**
LIGHT (B)

GS-BAU-18 (F)
EN 1873:2016 & EN 14963:2006

(C)

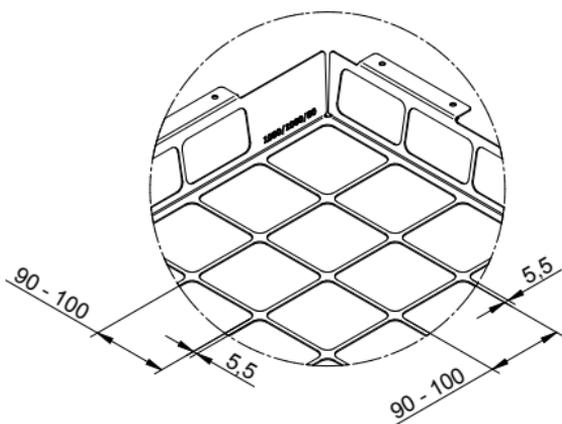
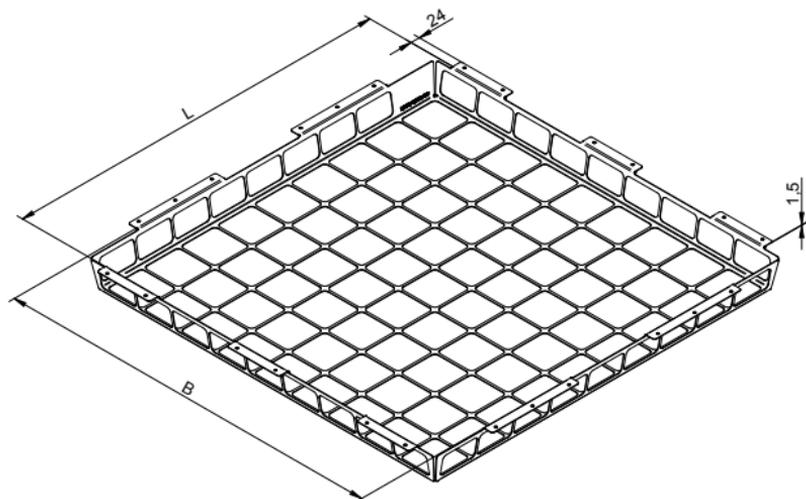
statisch & dynamisch geprüft
plastisch verformbar
statically and dynamically tested
can be plastically deformed

www.innotech.at
10-01-Aufkleber-H

Installiert durch: Installed by: (D)
installato da: Installé par:

Installationsdatum: date of installation:
(E) 2017 2018 2019

[mm]





DANGER OF DEATH if installed on an unsuitable substructure.

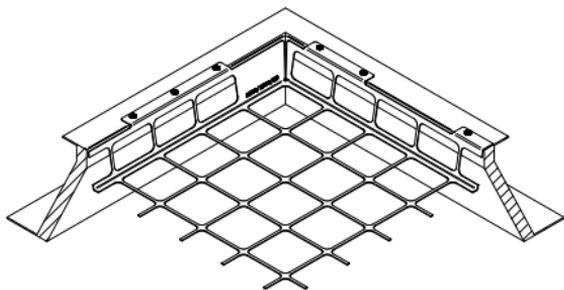
- Ensure to ensure that a static load-bearing subconstruction is present.
In case of doubt, have the installation substructure inspected by a structural engineer or the manufacturer

10.1 SYNTHETIC RING



Rounded head screws

LKS-04.8-025-7504-VZ

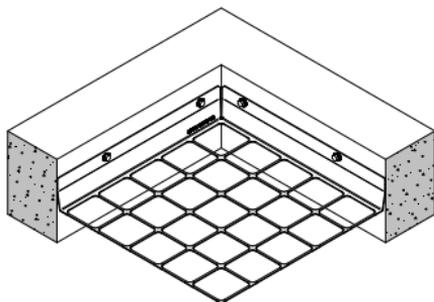
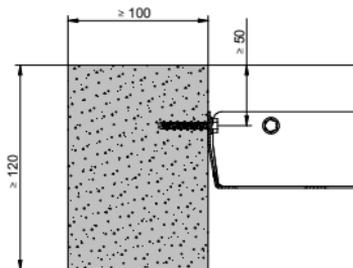


10.2 CONCRETE



Concrete screws

BEF-103 (VE: 4 Pcs.)



10

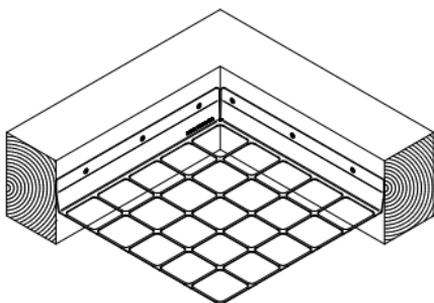
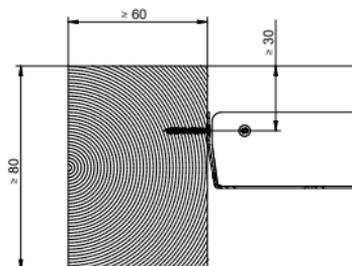
INSTALLATION SUBSTRUCTURE

10.3 WOOD



Wood construction screws

HBS-06-050-T30-DNS-VZ

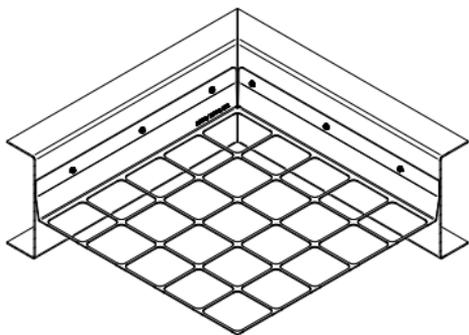
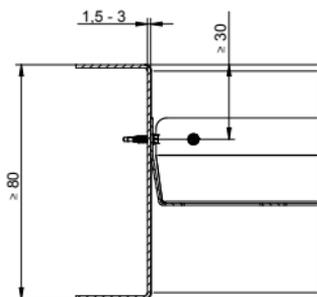


10.4 STEEL



Self-tapping screws

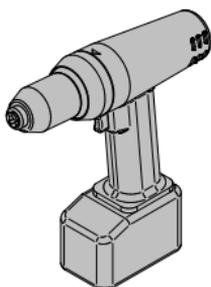
BBF-06.3-28-0-A2



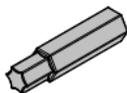
11

INSTALLATION TOOLS

[mm]

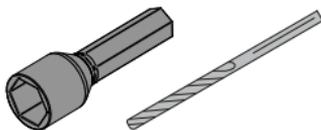


Synthetic ring



TX = 25

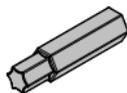
Concrete



SW = 13

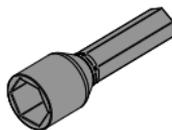
Ø = 8

Wood



TX = 30

Steel



SW = 8

12

INSTALLATION



DANGER

DANGER OF DEATH if NOT installed correctly.

- INNOTECH fall prevention systems must be installed properly and according to the instruction manual.



CAUTION

INJURIES can result from sharp edges of structural components.

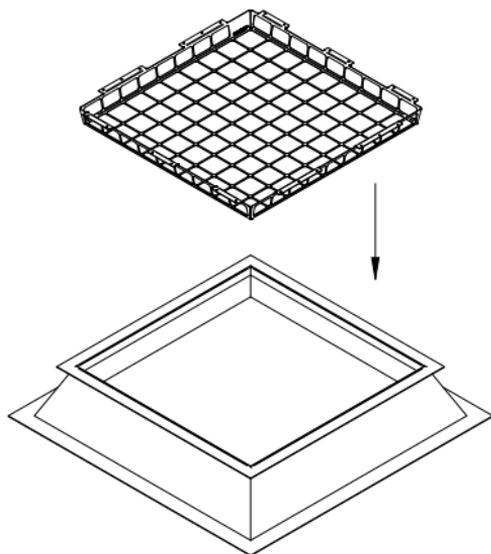
- Wear protective gloves during installation work.



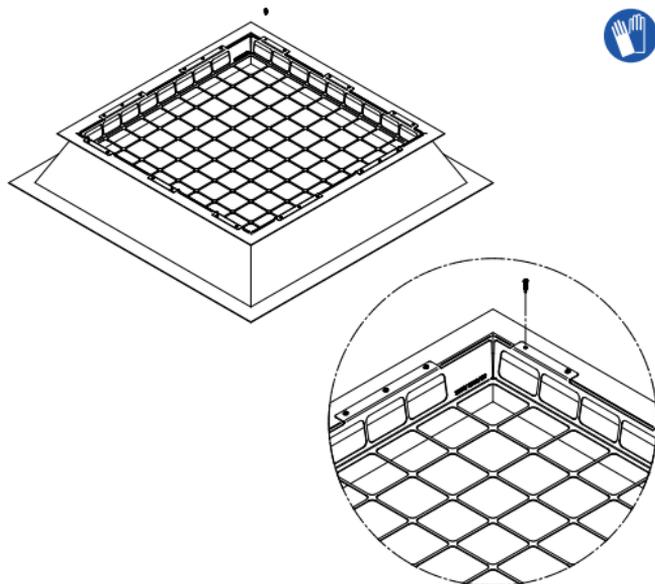
12 INSTALLATION

12.1 "LIGHT" INSTALLATION

1.



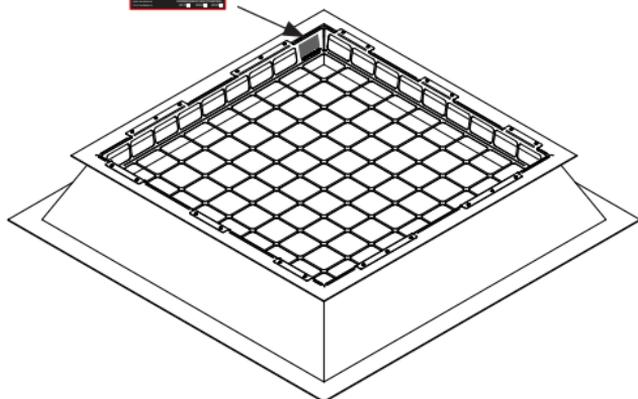
2.



12 INSTALLATION

12.2 APPLICATION OF THE TYPE PLATE

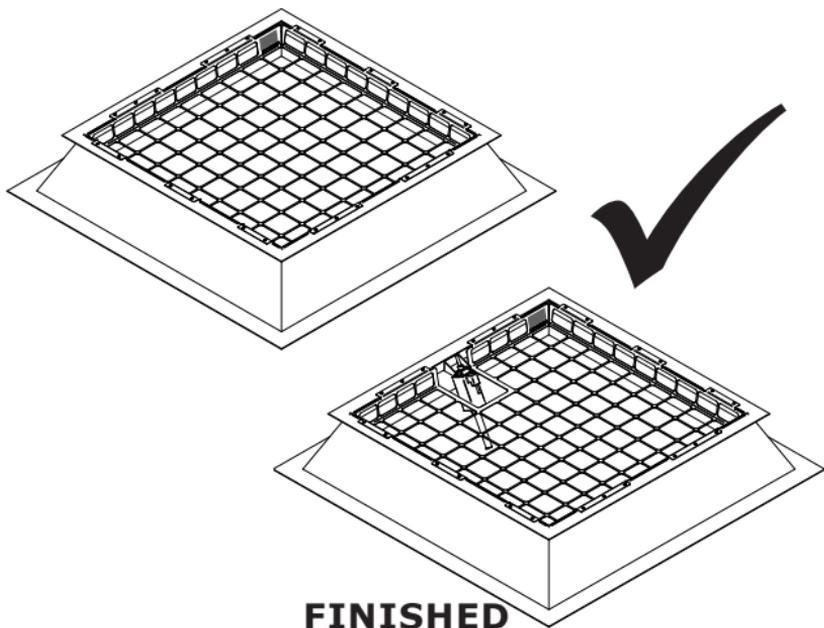
1.



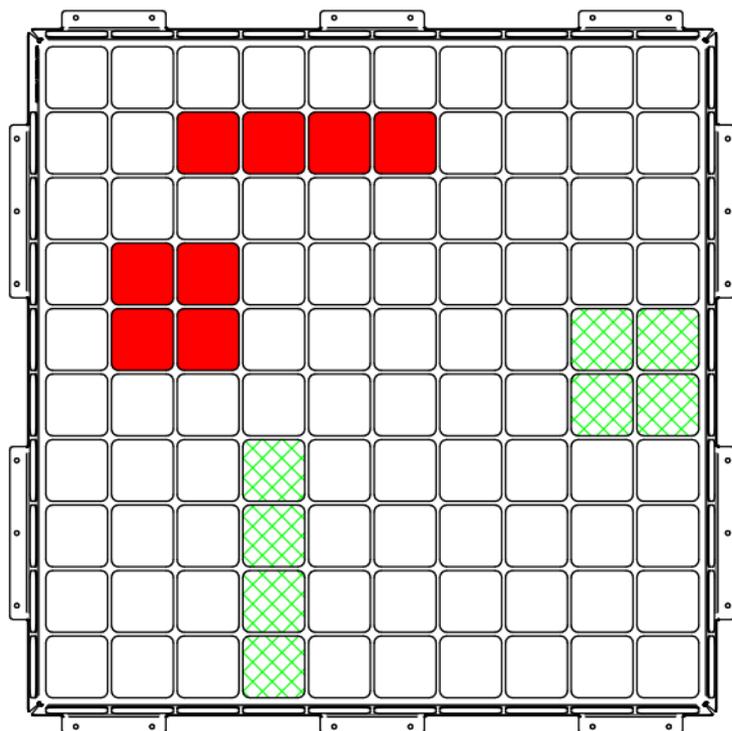
Adhere type plate!

12.3 FINISHED

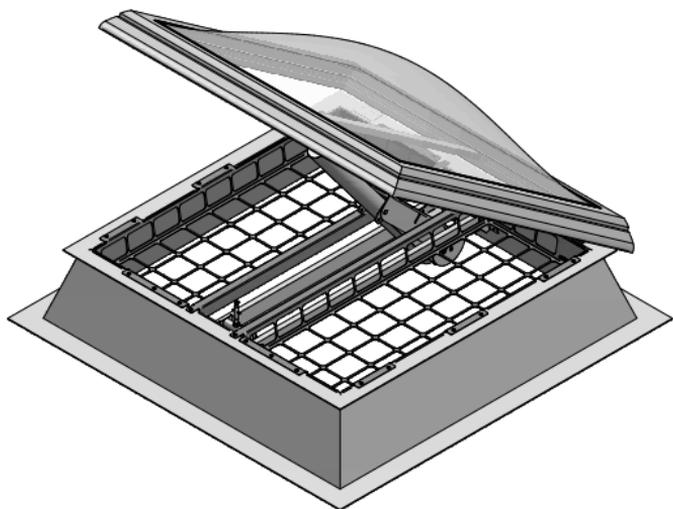
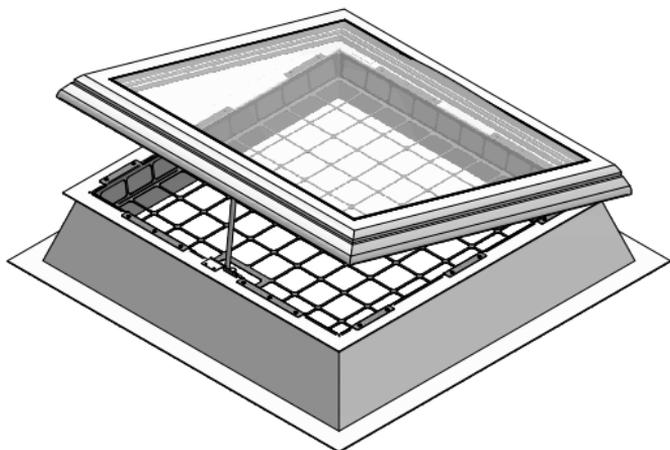
1.



FINISHED



Only cut out approved fields!



Do NOT dispose of the fall protection system in the house waste.
Following national requirements, gather the used parts and dispose of them
in an environmentally responsible fashion.

ACCEPTANCE REPORT NR. _____ (PART 1/2)

L I G H T

CONTRACT NUMBER: _____

PROJECT: _____

CUSTOMER: Specialist: _____

Company address: _____

CONTRACTOR: Specialist: _____

Company address: _____

FASTENING DOCUMENTATION / PHOTO-DOCUMENTATION

LOCATION: _____ DATE: _____

PRODUCT: Pcs. _____ DIMENSIONS: _____
(Type designation LIGHT / LIGHT-FLEX etc.) [mm]INSTALLATION SUBSTRUCTURE: _____
e.g. mounting curb: material (e.g. polyester), manufacturer; solid concrete grade: (e.g.: C20/25); wood dimension; sheet: manufacturer, profile, material, sheet thickness; etc.)FASTENING TYPE: _____ DRILL Ø: _____
(Number /screw type / dimension) (Installation in concrete) [mm]PUNCTURE DEPTH IN CONSTRUCTION: _____ TIGHTENING TORQUE: _____
[mm] (Installation in concrete) [Nm]PHOTOS: _____ INSTALLATION DATE: _____
(Save directory)

LOCATION: _____ DATE: _____

PRODUCT: Pcs. _____ DIMENSIONS: _____
(Type designation LIGHT / LIGHT-FLEX etc.) [mm]INSTALLATION SUBSTRUCTURE: _____
e.g. mounting curb: material (e.g. polyester), manufacturer; solid concrete grade: (e.g.: C20/25); wood dimension; sheet: manufacturer, profile, material, sheet thickness; etc.)FASTENING TYPE: _____ DRILL Ø: _____
(Number /screw type / dimension) (Installation in concrete) [mm]PUNCTURE DEPTH IN CONSTRUCTION: _____ TIGHTENING TORQUE: _____
[mm] (Installation in concrete) [Nm]PHOTOS: _____ INSTALLATION DATE: _____
(Save directory)

ACCEPTANCE REPORT NR. _____ (PART 2/2)

L I G H T

FASTENING DOCUMENTATION / PHOTO-DOCUMENTATION

LOCATION: _____ DATE: _____

PRODUCT: Pcs. _____ DIMENSIONS: _____
(Type designation LIGHT / LIGHT-FLEX etc.) [mm]INSTALLATION SUBSTRUCTURE: _____
e.g. mounting curb: material (e.g. polyester), manufacturer; solid concrete grade: (e.g.: C20/25); wood dimension; sheet: manufacturer, profile, material, sheet thickness; etc.)FASTENING TYPE: _____ DRILL Ø: _____
(Number / screw type / dimension) (Installation in concrete) [mm]PUNCTURE DEPTH IN CONSTRUCTION: _____ TIGHTENING TORQUE: _____
[mm] (Installation in concrete) [Nm]PHOTOS: _____ INSTALLATION DATE: _____
(Save directory)

LOCATION: _____ DATE: _____

PRODUCT: Pcs. _____ DIMENSIONS: _____
(Type designation LIGHT / LIGHT-FLEX etc.) [mm]INSTALLATION SUBSTRUCTURE: _____
e.g. mounting curb: material (e.g. polyester), manufacturer; solid concrete grade: (e.g.: C20/25); wood dimension; sheet: manufacturer, profile, material, sheet thickness; etc.)FASTENING TYPE: _____ DRILL Ø: _____
(Number / screw type / dimension) (Installation in concrete) [mm]PUNCTURE DEPTH IN CONSTRUCTION: _____ TIGHTENING TORQUE: _____
[mm] (Installation in concrete) [Nm]PHOTOS: _____ INSTALLATION DATE: _____
(Save directory)

The undersigned installation company ensures the correctness of their work (edge spacing, inspection of the substructure, proper cleaning of drill holes, observation of hardening times, working temperature and screw manufacturer guidelines, etc.). The customer accepts the services of the contractor. The instruction manuals, fastening documentations/ photo-documentations, and inspection reports were given to the customer (building owner) and are to be made available to the user. At the point of access to the fall prevention system, the positions of the anchor points are to be documented by the building owner by means of plans (e.g. sketches of the rooftop). **The contractor, a qualified professional who is familiar with the fall prevention system, confirms that the installation was performed correctly, up to the latest technological standards and according to the manufacturer's instruction manual. The reliability and safety is confirmed by the contracting company.**

Delivery of: (e.g. personal protective equipment PPE, fall arrest devices HSG, storage cabinet, etc.)

Pcs. _____ Pcs. _____ Pcs. _____ Pcs. _____

Name: _____ Customer _____ Contractor _____

Date, company seal, signature

Date, company seal, signature

INFORMATION ON THE FALL PREVENTION SYSTEM

The building owner is to make this notice visible at the system access point!

Use of the system must be up to technological standards and the instruction manuals.

Instruction manuals and other documentation is kept in:

- Overview of the area with the position of anchor points:

Areas where falling through could occur (e.g. skylights and/or strip lights) must be marked!

The maximum load capacities of the anchor points are stated in the respective instruction manuals or the type plate of the fall prevention system!

If subjected to the stress of a fall or in case of doubt, the anchor point is to be removed from use immediately and sent to the manufacturer or a qualified repair facility for inspection and repair.

This also applies to damages to the fastening components.

INSPECTION REPORT NR. _____ (PART 1/2)

L I G H T

CONTRACT NUMBER: _____

PROJECT: _____

PRODUCT: Pcs. LIGHT-FLEX Year of manufacture/Serial nr.: _____

(Type designation EAP/anchor point/SDH)

ANNUAL SYSTEM INSPECTION CONDUCTED ON: _____

NEXT ANNUAL INSPECTION TO BE CONDUCTED BY: _____

CUSTOMER: _____ Specialist: _____ 

Company address: _____

CONTRACTOR: _____ Specialist: _____ 

Company address: _____

INSPECTION POINTS: <input checked="" type="checkbox"/> checked and in order!!	OBSERVED DEFECTS: (Description of defect/ Measures to be taken)
DOCUMENTATION:	
<input type="checkbox"/> Instruction manual	
<input type="checkbox"/> Acceptance reports/fastening documentation/ photo-documentation	
VISIBLE PARTS OF THE ANCHORING DEVICE:	
<input type="checkbox"/> no deformation	
<input type="checkbox"/> no corrosion	
<input type="checkbox"/> firmly placed	
<input type="checkbox"/> fastening to the substructure	
<input type="checkbox"/> product designation legible	
<input type="checkbox"/> optional in case of smoke ventilation cutout: correct number / position / arrangement / choice of fields cut	
<input type="checkbox"/>	

INSPECTION REPORT NR. _____ (PART 2/2)

L I G H T

INSPECTION POINTS: <input checked="" type="checkbox"/> checked and in order!	OBSERVED DEFECTS: (Description of defect /Measures to be taken)
ROOF COVERING / CURB:	
<input type="checkbox"/> no damages / cracks, etc.	
<input type="checkbox"/> no corrosion	
<input type="checkbox"/>	

Result of acceptance: The fall prevention system matches the manufacturer's instruction manual and the latest technological standards. Its safety and reliability is hereby confirmed.

Comments: _____

Name: _____
Customer

_____ Contractor (Qualified professional familiar with the fall prevention system)

_____ Date, company seal, signature

_____ Date, company seal, signature

INNOTECH Arbeitsschutz GmbH, Laizing 10, 4656 Kirchham/Austria
www.innotech.at

