

Operating & installation instructions

All post systems and versions



**Please keep these instructions.
You might want to consult them again.**

English

These instructions can also be found at
www.befestigungstechnik-westfalen.de

btw
BEFESTIGUNGSTECHNIK IN WESTFALEN

SUMMARY

Page Content

3	Safety, corrosion protection & tool
4-9	Post Systems
10-11	Luminaire support
12-13	Sign & boom pole + Whipmast

All operating and installation instructions can also be found on our website at:

www.befestigungstechnik.de/downloads



Safety instructions

1. Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed.
2. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!



Corrosion protection

The corrosion protection of the fasteners is to be checked after mechanical stress and replaced if necessary.

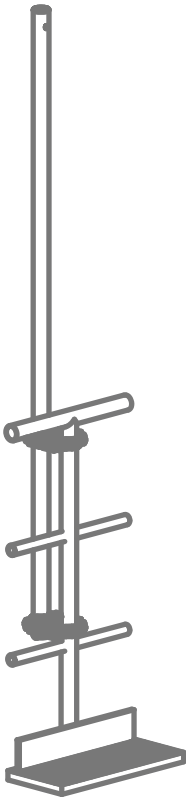


Work tool

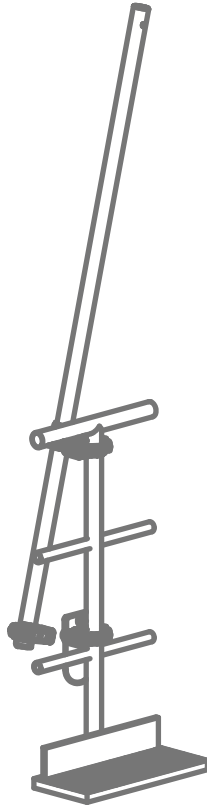
- 1x spanner 13mm
- 1x spanner 17mm
- 1x the safety clothing you are required to wear
- 1x installation instructions

INSTRUCTIONS

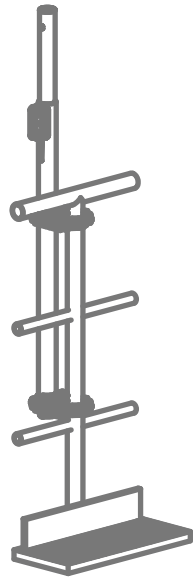
Rigid design, laterally foldable & telescopic



rigid design



laterally foldable



telescopic

OPERATING INSTRUCTIONS

FOLDABLE VERSION

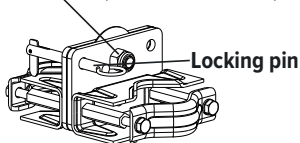


Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!

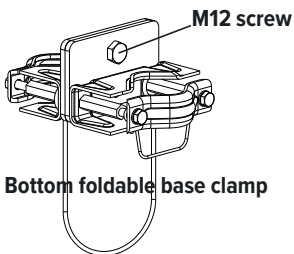
To start work, make sure that the locking pin is engaged in the holes in the hinged plate of the upper attachment!

Attention! The M12 screw of the top attachment is pretensioned and must not be loosened.

M12 screw (DO NOT LOOSEN!)



Foldable base clamp, top

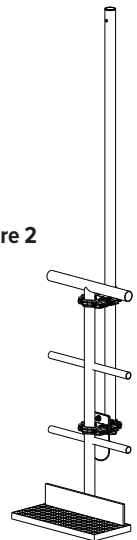


Bottom foldable base clamp

Figure 1



Figure 2



Important! Secure the components to prevent them falling.

Folding down the pole:

Remove the **M12 screw** of the **bottom foldable base clamp**.

Grab the upper area of the pole, remove **the locking pin of the top foldable base clamp** and carefully tilt the pole sideways (**see figure 1**). The rope on **the bottom foldable base clamp** holds the tilted pole.

Erecting the pole:

Bring the pole into a vertical position (**see figure 2**) and insert **the locking pin** into **the top foldable base clamp** so that the pole can be released safely.

Then insert the **M12 screw** into **the bottom foldable base clamp**.

Tighten all screws and align the pole as desired.


Check all screws for completeness and tighten.

Check that all components are in the proper condition and are tight.

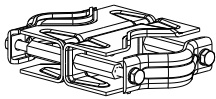
Torques: M 8, 15 Nm max, M 12, 31 Nm max.

OPERATING INSTRUCTIONS

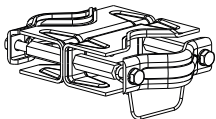
TELESCOPIC VERSION

 Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!

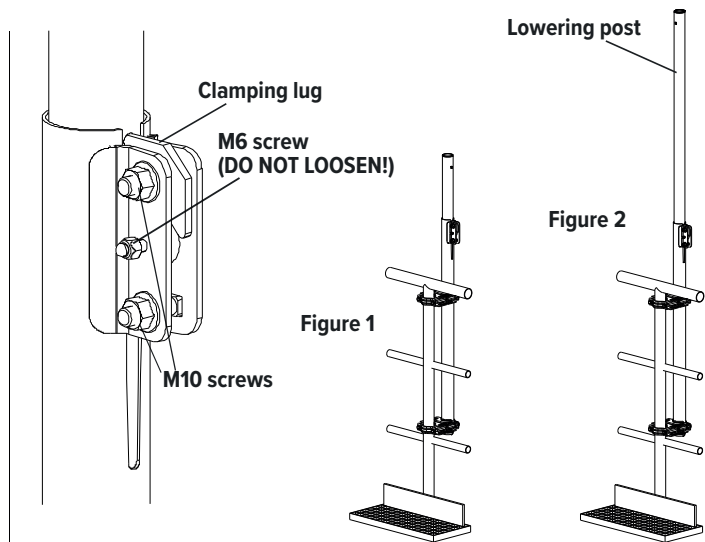
Attention! Important! Do not loosen or remove the M6 screw in the clamping lug! 



Base clamp, top



Base clamp, bottom



Important! Secure the components to prevent them falling. 

Lowering the pole:

To lower the light pole, **loosen**, but do **not remove**, the **screws (2x M10)** of the clamping lugs on **the lowering sheath**. Grab **the lowering pole**, loosen from the locking mechanism by lifting and turning, and lower **(see figure 1)**.

Erecting the pole:

To erect, raise **the lowering pole** until the latching mechanism has engaged in the latching hole.

After tightening the **screws (2x M10)** on **the clamping lugs** in accordance with the specifications, the pole is operational again.

Check all screws for completeness and tighten.

Check that all components are in the proper condition and are tight.

Torques: M 8 15 Nm max.

M 10 31 Nm max

INSTALLATION INSTRUCTIONS

RIGID VERSION

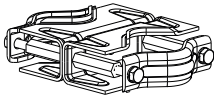


Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!

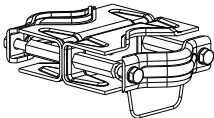
After checking that all individual parts are complete in accordance with the packing list, proceed as follows at the assembly location:

Assembly parts:

- 1x base post
- 1x base clamp, top
- 1x base clamp, bottom



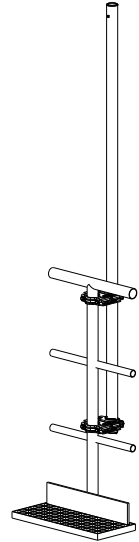
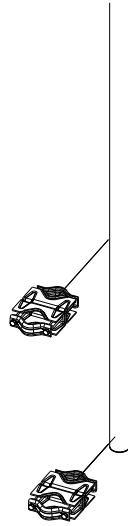
Base clamp, top



Base clamp, bottom



Base post



Assembly of the fasteners

Mount the **top base clamp** approx. 100 mm beneath the top edge of the hand rail of the railings on the vertical post facing outwards. Install the **bottom base clamp** (with securing bracket) approx. 600 mm beneath the **top base clamp** on the post of the railing facing outwards.

Important! Secure the components to prevent them falling. ⚠

Post attachment

Insert the **base post** with built-in edge protection into the fastener mounted on the railings.

Important! Secure the components to prevent them falling. ⚠

The **bottom base clamp** prevents the pole slipping through.

Tighten the screws until hand-tight.



Align the pole, tighten the screws and check for completeness.


Check that all components are in the proper condition and are tight.

Torques: M 8 15 Nm max.

Leave the work area clean!

INSTALLATION INSTRUCTIONS

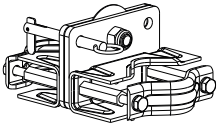
FOLDABLE VERSION

 Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!

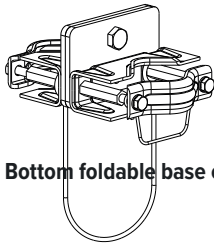
After checking that all individual parts are complete in accordance with the packing list, proceed as follows at the assembly location:

Assembly parts:

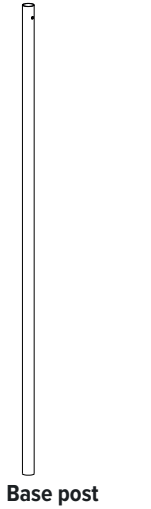
- 1x base post
- 1x foldable base clamp, top
- 1x foldable base clamp, bottom



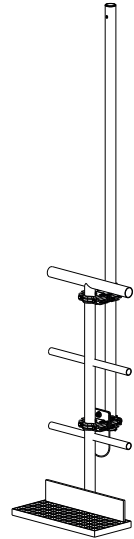
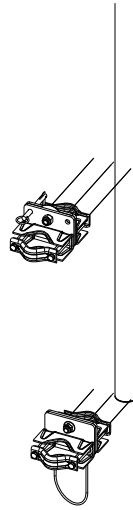
Foldable base clamp, top



Bottom foldable base clamp



Base post



Assembly of the fasteners

Mount **the top foldable base clamp** approx. 100 mm beneath the top edge of the hand rail of the railings on the vertical post facing outwards. Install **the bottom foldable base clamp** approx. 600 mm beneath **the top foldable base clamp** on the post of the railing facing outwards.



Important! Secure the components to prevent them falling.

Post attachment

Insert **the base post** with built-in protection into the fastener mounted on the railings.

Important! Secure the components to prevent them falling.

The **bottom base clamp** prevents the pole slipping through.

Tighten the screws until hand-tight.



Align the pole, tighten the screws and check for completeness.

Check that all components are in the proper condition and are tight.

Torques: M 8 15 Nm max.

INSTALLATION INSTRUCTIONS

TELESCOPIC VERSION

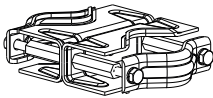


Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!

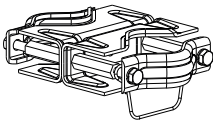
After checking that all individual parts are complete in accordance with the packing list, proceed as follows at the assembly location:

Assembly parts:

- 1x lowering post
- 1x lowering sleeve
- 1x base clamp, top
- 1x base clamp, bottom



Base clamp, top



Base clamp, bottom

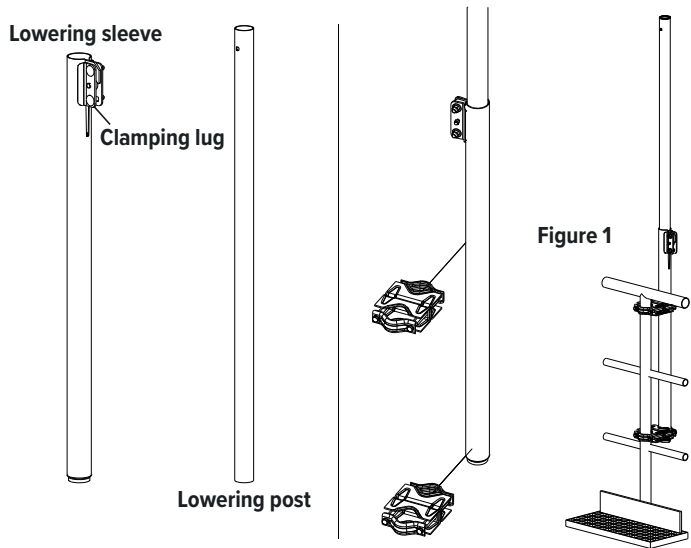


Figure 1

Assembly of the fasteners

Mount the **top base clamp** approx. 100 mm beneath the top edge of the hand rail of the railings on the vertical post facing outwards. Install the **bottom base clamp** approx. 600 mm beneath the **top base clamp** on the post of the railing facing outwards.

Important! Secure the components to prevent them falling. ⚠

Assembly of the lowering sheath

Insert the **lowering sleeve** with the **clamping lug** pointing to the right into the fasteners (see figure 1).

Important! Secure the components to prevent them falling. ⚠
The **bottom base clamp** prevents the lowering sleeve slipping through



Post attachment

Insert the **base post** with built-in edge protection into the **lowering sleeve** mounted on the railings.

Tighten the screws until hand-tight.

Align pole, erect pole (see operating instructions), tighten the screws and check for completeness.

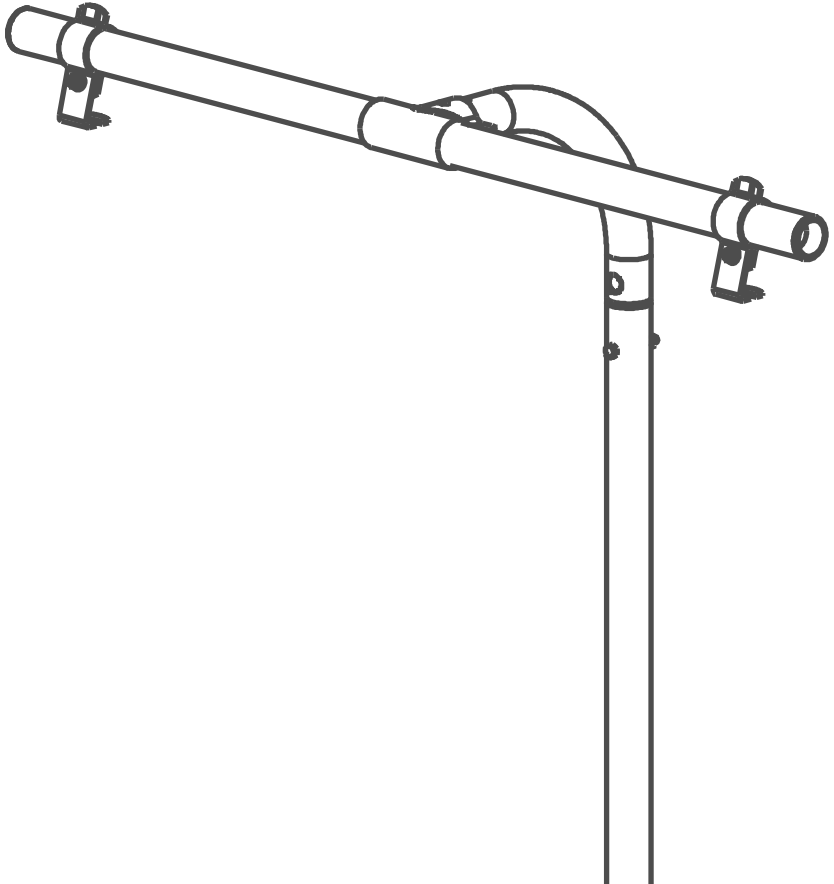
Check that all components are in the proper condition and are tight.

Torques: M 8 15 Nm max.

Leave the work area clean!

LUMINAIRE SUPPORT

Installation instructions



Diese Anleitung finden Sie auch auf
www.befestigungstechnik-westfalen.de

INSTALLATION INSTRUCTIONS

LUMINAIRE SUPPORT

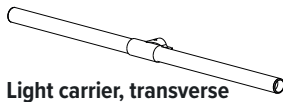


Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!

After checking that all individual parts are complete in accordance with the packing list, proceed as follows at the assembly location:

Assembly parts for the light carrier:

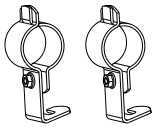
- 1x light carrier, transverse
- 1x head frame
- 2x light fastening clips



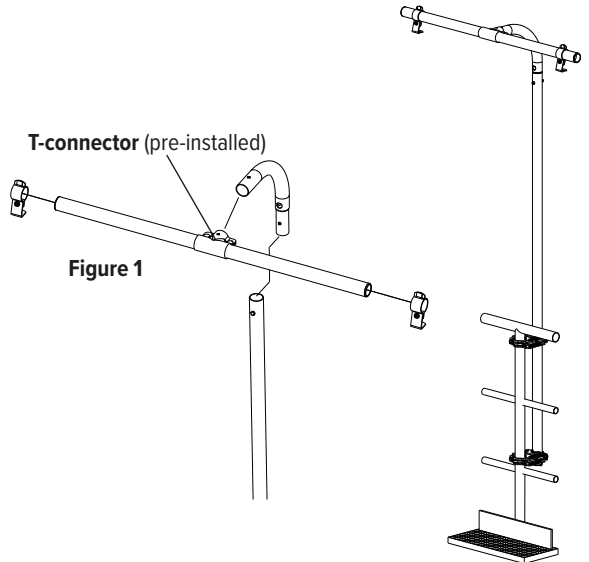
Light carrier, transverse



Head frame



2x light fastening clips



Pre-installation of the light carrier

Install **2x light fastening clips** on **the light carrier** (see figure 1).

Ensure that the pre-installed edge protection is installed tightly.

Install the **lights** on **the light fastening clips**.

Connect the power cable, feed it through **the light carrier** and have it leave through the centre of the **T-connector**.

Continue to guide through the **head frame** and install the **head frame** on the **T-connector** of the light carrier (see figure 1).

Light carrier attachment

After assembly, insert the cable into **the base pole**,

place **the light carrier** with the **head frame** on **the base pole** and screw it in place with the M8 x 60 screw.

Important! Secure the components to prevent them falling. ⚠

After installing the light carrier, align the pole, tighten the screws and check for completeness.

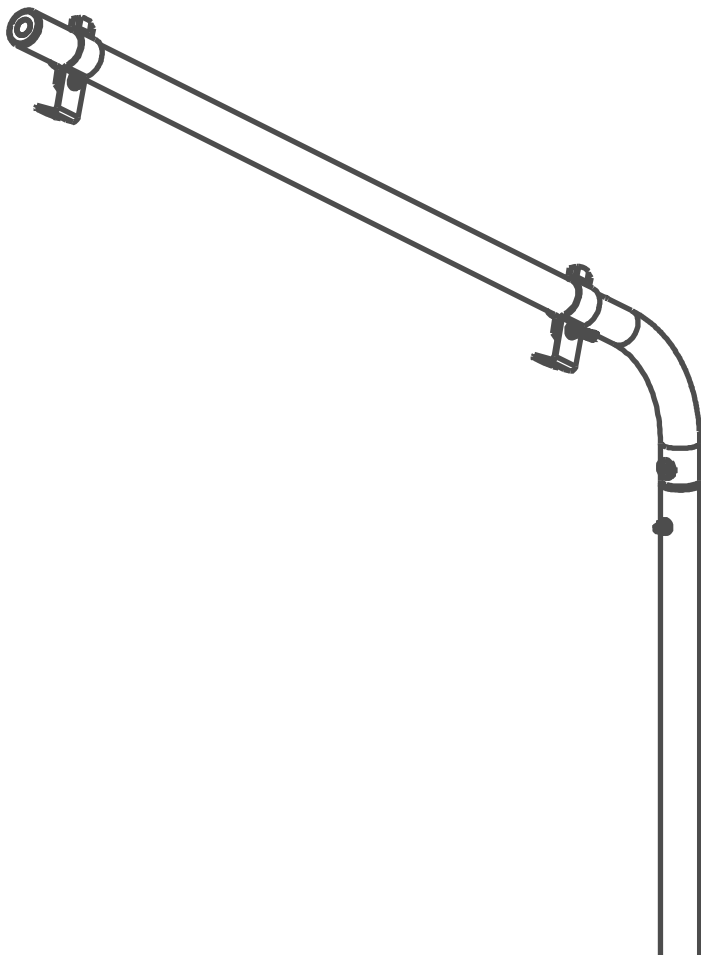
Check that all components are in the proper condition and are tight.

Torques: M 8 15 Nm max.

Leave the work area clean!

SIGN & BOOM POLE + WHIPMAST

Installation instructions



Diese Anleitung finden Sie auch auf
www.befestigungstechnik-westfalen.de

btw
BEFESTIGUNGSTECHNIK IN WESTFALEN

INSTALLATION INSTRUCTIONS

SIGN & BOOM POLE + WHIPMAST

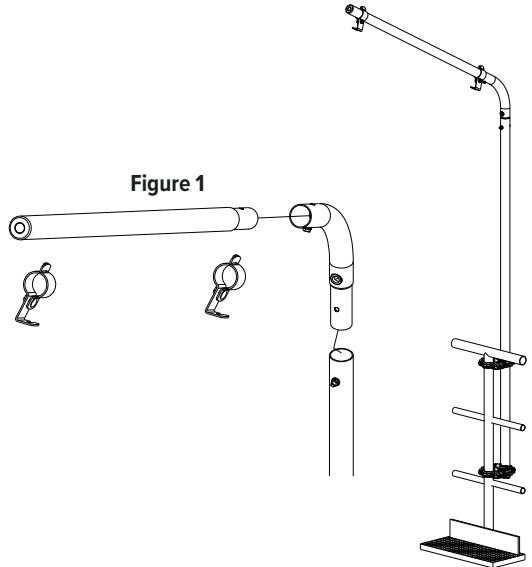
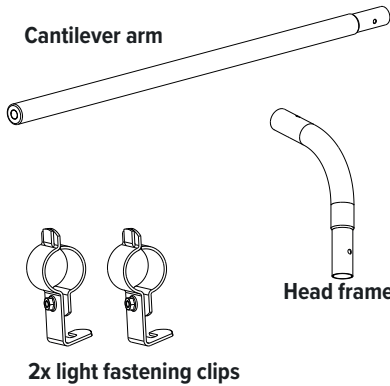


Ensure that the person carrying out the work is technically and physically capable of performing the work in accordance with the instructions. The work must not be carried out during storms or poor weather conditions. Stability must be guaranteed. All operational safety measures must be adhered to. When attaching the system parts, take safety measures to prevent components falling down. Warnings or barriers for the areas specified in the assembly instructions must be erected in accordance with the applicable occupational safety regulations!

After checking that all individual parts are complete in accordance with the packing list, proceed as follows at the assembly location:

Assembly parts for the cantilever arm:

- 1x cantilever arm
- 1x head frame
- 2x light fastening clips



Pre-installation of the cantilever arm

Install **2x light fastening clips** on **the cantilever arm** and **the head frame** on the cantilever arm (**see figure 1**)

Install **the lights** on **the light fastening clips**.

Connect the power cable and guide it through the hole in the head frame.

Ensure that the pre-installed edge protection is installed tightly.

Important! Secure the components to prevent them falling. ⚠

Cantilever arm attachment

After assembly, insert the cable into **the base pole**,

place **the cantilever arm** with **the head frame** on **the base pole** and screw it in place with the M8 x 60 screw.

Important! Secure the components to prevent them falling. ⚠

After installing the light carrier, align the pole, tighten the screws and check for completeness.

Check that all components are in the proper condition and are tight.

Torques: M 8 15 Nm max.

Leave the work area clean!



BEFESTIGUNGSTECHNIK IN WESTFALEN

All operating and installation instructions can also
be found on our website at:

www.befestigungstechnik.de/downloads

BTW Befestigungstechnik in Westfalen GmbH

Gutenbergstraße 13-15
58300 Wetter
Germany

Mail: info@befestigungstechnik-westfalen.de
Phone: +49 (0) 2335 17099-70

www.befestigungstechnik-westfalen.de