

# Installation guideline 2011

**TWR/TLR:** 0.9 – 6.0 m \*

**TWF/TLF:** 0.4 – 1.5 m

**TCF:** 0.2 – 0.9

**TCR:** 0.8 – 6.0 m \*

**TWR/TLR**



**TWF/TLF**



**TCR**



**TCF**



\*The rigid sun tunnel can be extended from the standard max. length of 1.85 m by the extension tunnel ZTR (available in length 0.62 m or 1.24 m).

For other installation length than the above interval - please contact your local VELUX sales office.

It is important to relieve the weight of long tunnels due to excess load on the diffuser pane.

**Rigid light reflection 99% +/-1%**

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**TWR/TLR: 0.9 – 6.0 m\***

## **We recommend min. 0.9 m**

We recommend that both elbow parts be used together with a piece of the tunnel for assembling the two parts. (2 x elbow parts 38 cm + 14 cm tunnel = 90 cm (excl. overlap)).

## **We recommend up to 6 m \* followed by the text:**

\*The rigid sun tunnel can be extended from the standard max. length of 1.85 m by the extension tunnel ZTR (available in length 0.62 m or 1.24 m.)

For other installation length than the above interval, please contact your local VELUX sales office.

It is important to relieve the weight of long tunnels due to excess load on the diffuser pane.

## **Rigid tunnel installation in general**

It is mandatory that there is access to the attic and room for the installer to work in the attic when choosing a rigid sun tunnel.

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**TCR: 0.8 – 6.0 m\***

## **We recommend min. 0.8 m**

We recommend that both elbow parts be used together with a piece of the tunnel for assembling the two parts. (The same argumentation as for TWR/TLR = 90 cm excl. overlap)

But since the rigid tunnel is fixed inside the curb approx. 18 cm above upper roof edge, the total tunnel length measured from the ceiling to the upper roof edge is (90 cm – 18 cm = 72 cm)

## **We recommend up to 6 m\* - followed by the text:**

\*The rigid sun tunnel can be extended from the standard max. length of 1.85 m by the extension tunnel ZTR (available in length 0.62 m or 1.24 m.)

For other installation length than the above interval, please contact your local VELUX sales office.

It is important to relieve the weight of long tunnels due to excess load on the diffuser pane.

## **Rigid tunnel installation in general**

It is mandatory that there is access to the attic and room for the installer to work in the attic when choosing a rigid sun tunnel.

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**TWF/TLF: 0.4 – 1.5 m**

## **We recommend up to 1.5 m**

and for installations where there is NO access to the attic and NO room for the installer.

In general, installation should be made by releasing the flex tunnel from the outside (roofside), dropping it down through the ceiling and then finishing the installation from the inside of the house/room.

## **FLEX tunnel installation in general**

For applications where there is no access to the attic and where there is no room for the installer to work in the attic.

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**TCF: 0.2 – 0.9 m**

**We recommend min. 0.2 m**

**We recommend up to 0.9 m**

## **FLEX tunnel installation in general**

For applications where there is no access to the attic and where there is no room for the installer to work in the attic.



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