General Notes

Installation Instructions.

Shingles

Ceiling ring -ABS material

White

VELUX -

Ceiling Diffuser Assembly

in the design, construction and performance of a building structure by others.

4. TGR 010 0000 nominal diameter is 10" TGR 014 0000 nominal diameter is 14".

7. VELUX recommends fastening TGR flashing to roof decking or roof framing.

8. Minimum 1 1/4" clearance required around ceiling rough opening, to fit trim ring.

6. Rough opening dimensions vary with roof slope. Roof opening dimensions are referenced in the TGR/TMR

-Underlayment

VELUX tape-

All joints must be sealed with tape, provided by VELUX

-Insulation -

Vapor barrier

-Finish material

VELUX Rigid tunnel-

3. Dimensions shown are nominal, unless indicated otherwise.

5. Maximum tunnel length is 20'. Minimum tunnel length is 16".

 $010 = 24\frac{3}{4}$ "

014 = 29"

Plan View

Section A-A

1. This drawing emphasizes the TGR low profile pan flashed VELUX SUN TUNNEL Skylight. It illustrates a general arrangement layout (plus recommendations) for a VELUX TGR installation in a 14-60 degree roof pitch application utilizing a hard ceiling installation.

application is determined and provided by others. The design criteria includes, but is not limited to design loads, structural configurations, structural framing

member sizes and material, architectural finishes and integration with the roofing/ceiling systems of the building. VELUX assumes no responsibility or liability

 $010 = 6 \frac{3}{16}$ "

Reflective tunnel, 24" length provided in kit. Anodized aluminum

tunnel is 0.016" (26 GA) thick

Section B-B

with 99% reflectance.

2. The architectural/structural design and specifications for the inclusion of a tubular daylighting device, such as the VELUX TGR, in any roofing/ceiling



Dome 0.125" thick

Insulation — Provided by installer

Flashing — Galvanized sheet

Gray powder coat finish

Two 11.5" tall universal

elbow rotates 45°

-VELUX tape attaching

to vapor barrier

-Vapor barrier

reflective elbows provided

Thickness 0.02" (24 GA)

Flexi-Loc clips (Typical)

in TMR kit. Each aluminum

steel 0.023" (24 GA) thickness.

Injection molded

- TGR Components
- TGR 014 0000/TGR 010 0000
- Acrylic Dome
- Counter flashing assembly
- 24"/.61m Rigid tunnel
- (2) 11.5"/.29m Rigid elbows
- Tape for tunnel joints
- Hardware bag

Option

TGR 014 1000/TGR 010 1000 Impact Polycarbonate dome

Ceiling diffuser complete with screw-in diffuser

Gasket material for diffuser

• Hardware bag

ZTC 010/014 0002US-Prismatic diffuse ZTC 010/014 0003US-Fresnel diffuser

Option: ZTC 014/ZTC 010 0041US Energy kit

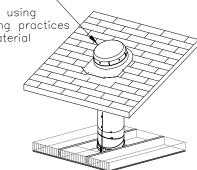
 Residential energy kit (Diffuser-middle & 2-Pivot ring lens)



Option: ZTR 014/ZTR 010 Rigid Tunnel Extensions

- ZTR 014/010 0002 24"/.61m Rigid tunnel
- ZTR 014/010 0004 48"/1.22m Rigid tunnel
- $\Pi \Pi \Pi$ ZTR 014/010 0006
- 72"/1.83m Rigid tunnel ZTR 014/010 0012
- 144"/3.66m Rigid tunnel
- ZTR 014/010 0024 288"/7.32m Rigid tunnel

VELUX TGR — Mount & flash using standard roofing practices for roofing material being used.



General Arrangement Layout



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TGR - Residential SUN TUNNEL

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This drawing is an instrument of service and is provided for informational use only.

-Roof Framing

diameter

See Note 6

2:1

10:1

-VELUX tape

-VELUX screw

(R) VELUX is a registered trademark