

# LAMILUX Daylight Elements

(ROOFLIGHT DOMES - CONTINUOUS ROOFLIGHTS - GLASS ARCHITECTURE - UPSTANDS - OPENING SYSTEMS)

**Please note important instructions. Please read very carefully!**

## **Shipping:**

LAMILUX daylight elements are sent as an individual shipment in crates or on pallets. When transported by truck in larger shipments, elements are also covered in protective film. Deliveries- including free site or free warehouse- are carried out at risk of the purchaser. Whereby a road is assumed that is drivable for trucks with an overall weight up to 38t. There has to be the possibility to store building material and components on the building site without the necessity of an intermediate transport. If an offence against the above mentioned conditions causes any additional expenses, these expenses will be charged to the purchasers account.

## **Condition on delivery:**

As a general rule, LAMILUX daylight elements are pre-assembled at the factory as far as possible.

## **Storage:**

Daylight elements should be stored in their packaging under a cover in a dry place until just before they are installed in order to protect them from dirt, damage, etc. If they are stored on the roof, they must be secured and well ventilated in the area of the glazing to avoid a head accumulation (danger of breakage and deformation). The surface of the glazing must not get extraordinarily strained or come in contact with the roof membrane.

## **Cleaning and maintenance:**

Daylight elements are best cleaned in the same way as glassware - with water, a well-known washing-up liquid and a soft cloth. If they are heavily soiled or covered in oil or grease, warm soapy water or soda water will normally help. As regards painted surfaces, the same applies as for vehicles. A painted surface must only be cleaned with a mild cleaning agent using a soft sponge with plenty of water. The surrounding lip seal must be rubbed with talcum powder at regular intervals in order to keep the rubber supple and prevent it from freezing in winter. **Organic solvent-based cleaning and care products must not be used under any circumstances.** Such products and their particulates and vapours cause stress cracking. Daylight elements must be regularly cleaned to prevent surfaces and sealing materials from wearing rapidly. The user must ensure, for instance, that any drain openings or roof drainage strips are free of debris such as leaves.

## **Instruction according to Art 4 No. 3 in German Construction Contract Procedures: possible, partially hazardous detrimental effects on LAMILUX daylight elements:**

The plastics we use, such as polycarbonate, are permanently in use in a wide range of sectors in industry and have been tried and tested over many years. However, we must point out that daylight elements should not be contaminated with emissions such as cutting oils and coolants from manufacturing plants and/or processes as they can cause a high level of wear, operational deterioration, stress cracking, damage and, particularly, leaks in daylight elements. In case of doubt, we recommend testing for potential damage by a specialist laboratory. You can find information about potentially damaging materials and chemicals at [www.lamilux.de/679.0.html](http://www.lamilux.de/679.0.html).

Use of organic solvent-based contact substances should be avoided. This means solvent-based substances should not be used for tasks such as cleaning, sealing, greasing or applying finishes. We recommend solvent-free products such as water-based agents.

In the case of variations in temperature due to unfavourable climate conditions (e.g. high level of humidity indoors and low outside temperatures), condensation may form on the inner surface of daylight elements. This is not a defect (also see DIN 4108 condensate formation on surfaces).

#### **Note about semi-machined and plate-rolled aluminium surfaces**

Due to its characteristic reaction with oxygen in the air, aluminium is protected against corrosion by a natural, wafer-thin oxide coating (0.001 - 0.01 µm).

If damaged, this oxide coating renews itself. This is why this metal is particularly resistant to weathering. This natural "protective oxidation" generally leads to a mottled appearance on the surface after a short time and is not a defect.

#### **Domelights made of glass fibre-reinforced polyester resin (GF-UP):**

Use warm water with added detergent and a sponge or a soft cloth to clean such domelights. We recommend using undiluted petrol to remove oil or grease and kerosene or heating oil to remove bitumen.

**Movable parts:** Opening mechanisms in daylight elements will function properly for much longer if movable parts are lubricated and greased on a regular basis.

**SHEV systems:** SHEV systems are safety systems and must be serviced once a year in accordance with DIN 18 232. LAMILUX carries out such servicing and offers servicing contracts in this respect.

#### **Note for galvanized sheet steel frames**

Sheet steel frames are composed of folded and hot-dipped sheet (sendzimir galvanized). Slight film rust formation at subsequent cut edges, bores or recesses is no lack, because a subsurface corrosion of the metal coating is not possible due to the lubricating effect and the cathode protection of the zinc.

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