



ECOLUX Push

Backward sliding glass covers for LT islands

- Easy handling – more customers at the same time
- Great presentation of products with wide modules (1,25m)
- Temperature safety and constant food quality
- Energy saving potential up to 50%
- System suitable for OEM assembly as well as for remodeling and retrofit of refrigerated cases of major manufacturers
- Intelligent lighting options with T5 and LED
- Available in 2 or 4 glass pane version
- Top-quality, dimensionally stable materials



2-pane system

Maximum energy efficiency – our contribution to climate protection

PAN-DUR stands for development, manufacturing and sales of innovative systems for intelligent energy use.

Since 1986 PAN-DUR offers technical know-how, engineering competence and attractive design – underlined by numerous national and international patents.

We provide one-stop solutions – customized design, modular concept, highest flexibility and planning freedom for your projects.

Energy saving

PAN-DUR glass covers for LT islands ensure up to 50% decrease of the running costs of your refrigeration systems.

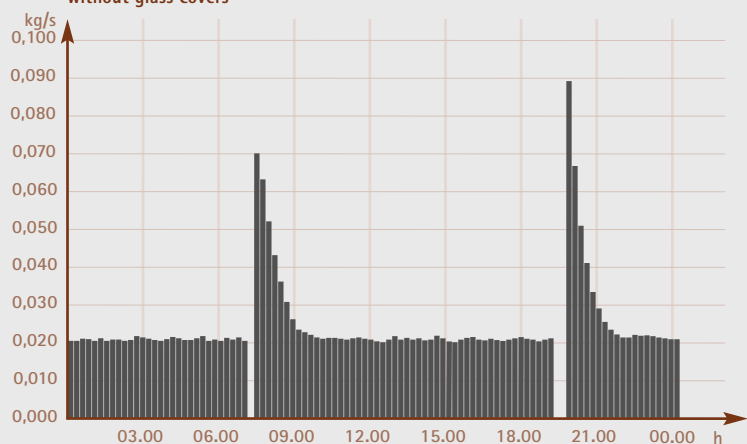
This energy saving enables to significantly reduce emission of greenhouse gases.

Due to ever increasing energy costs the return on investment time becomes shorter and shorter.

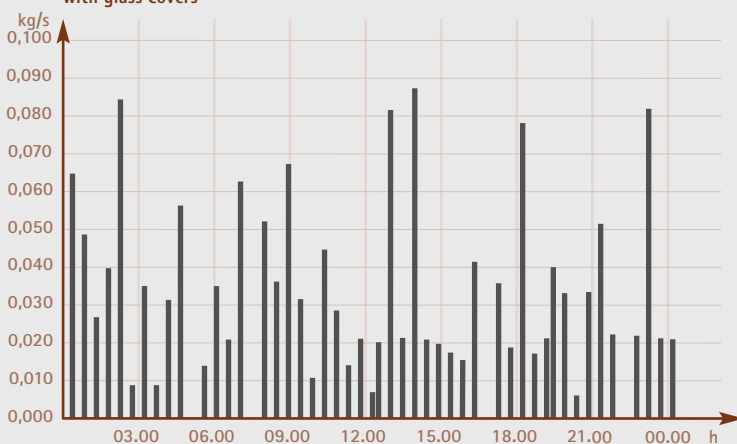
Proven quality

Numerous tests in cooperation with leading food retailers and independent institutes confirm performance and advantages of PAN-DUR glass covers.

Energy consumption – mass flux of cooling liquid without glass covers



with glass covers





4-pane system

Constant temperature guarantees food quality

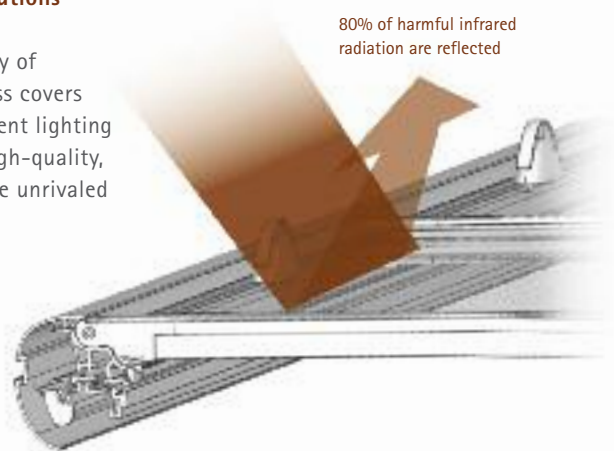
PAN-DUR glass covers guarantee constant cooling temperature and enable temperature safety which assures unmatched food quality.

ECOLUX glass covers meet the highest requirements concerning quality, technology and functionality. PAN-DUR products are in compliance with German Food Hygiene Regulation (LMHV) and European HACCP Regulation.

- Constant cooling temperature
- Fewer defrosting cycles
- Glass covers hold back 80% of harmful infrared radiation

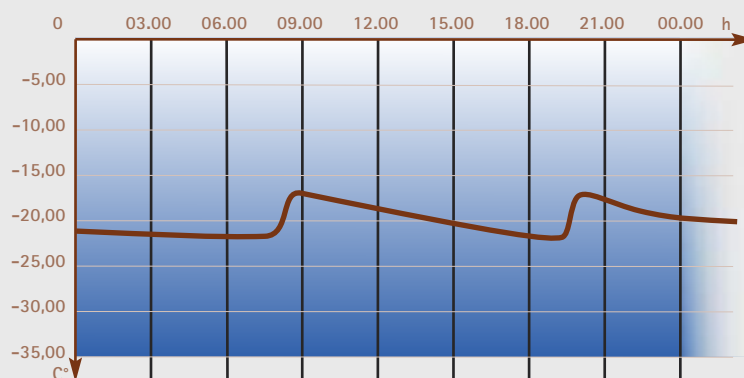
Well-conceived detailed solutions

We look back at a long history of field proven solutions for glass covers systems. In particular intelligent lighting technology combined with high-quality, 6mm thick, low-e glass enable unrivaled energy savings.

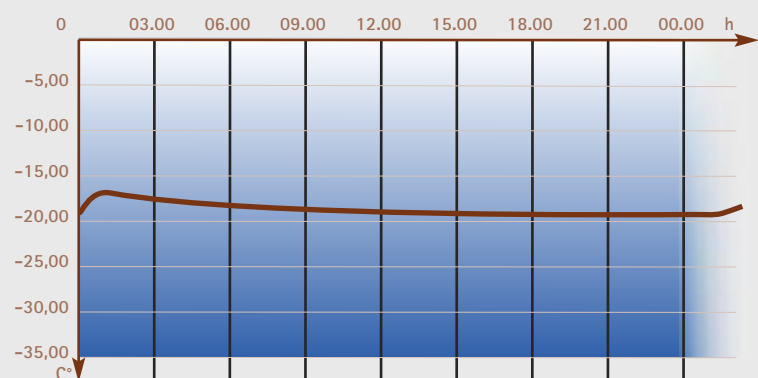


Food quality – average temperature in case

without glass covers



with glass covers





2-pane system

Practical and modern

More customers at the same time

Your customers and staff can simultaneously access the goods. ECOLUX Push System is based on practical backward sliding of the glass covers and ensures easy comfortable handling.

- **Easy and tilt-free mobility** of glass elements running on slide points
- **Lever protection** – secures the glass covers against unintended removal when closed and enables safe handling

- **Intelligent modular design** enables efficient assembly, maintenance, cleaning and easy retrofit.
- **Large glass panes** stand for clear and barrier-free view into the cooling cabinet – the best presentation of your products.
- **Powder coated aluminium profiles** are used for handrail covers

- **High-quality, 6 mm thick, low-e glass elements** are tempered according to DIN EN 12150-2:2004. Outstanding, homogeneous surface is free of waves, improves transparency and reduces mirror effects.
- **Screwed handles** (not glued)
- **Various lighting options** with T5 tubes or LED

lever protection



screwed handles





4-pane system

More value – nice, fresh food

Convincing presentation of the products – for the best customer acceptance

In close cooperation with food retailers, PAN-DUR increases not only energy efficiency but also upgrades design of LT islands and ensures inviting presentation of products and the best customer acceptance.

Our glass covers combined with a modern general impression and ergonomical handles integrate completely into the image of your store.

An attractive option from Pan-Dur for the **2 pane ECOLUX Push System** is the **4 pane version** which gives an **even larger aperture** for customer access and loading.

- **Easy handling** – comfortable loading and purchasing of products
- **Barrier-free** – consumer's impulse to buy is not disturbed
- **First-class presentation of products**
- **Boost of customer acceptance**
- **Decrease of energy costs up to 50%**
- **Ensuring food quality** through constant cooling temperature of the products

ECOLUX Push represents additional value of the refrigerated cases. Attractive general impression is characterised by high-quality materials, first-class processing and intelligent detailed solutions.

- **Precise fitting** of all elements and profiles
- **Flowing transitions** without edges or dirt corners
- **Customised design options** for handles and handrail

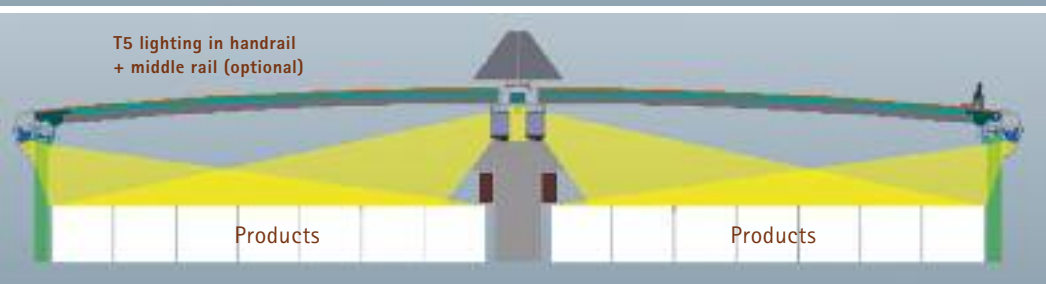
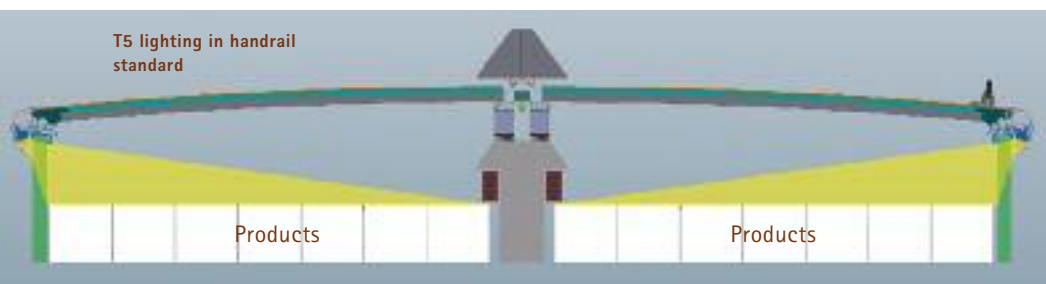
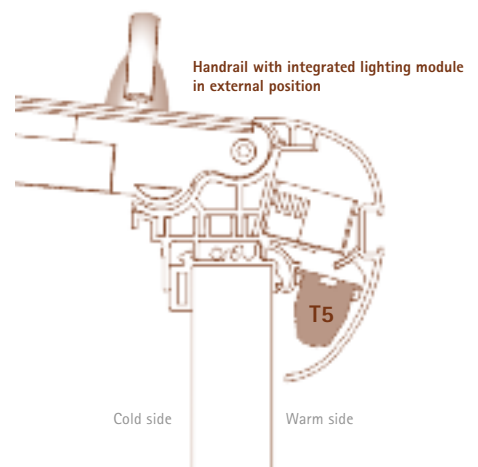




T5 – obviously better

Minimised heat input, reduced energy consumption, longer operating time

- PAN-DUR sets standards**
 Our innovative solution for external handrail lighting has become a standard on the market and has been generally accepted by retailers.
- Easy to service lighting technology**
 Handrail profiles are easily accessible from outside and enable timesaving replacement lamps.
- Improved light yield and considerably longer durability**
 Fluorescent tubes operate better in a warm environment, outside of the cooling cases and LED in cold area inside of the case. This is the way PAN-DUR conceives lighting options.
- Minimised heat emission and unobstructed light incidence** through insulating glass on the side ensures reflection of most of the harmful thermal infrared radiation.



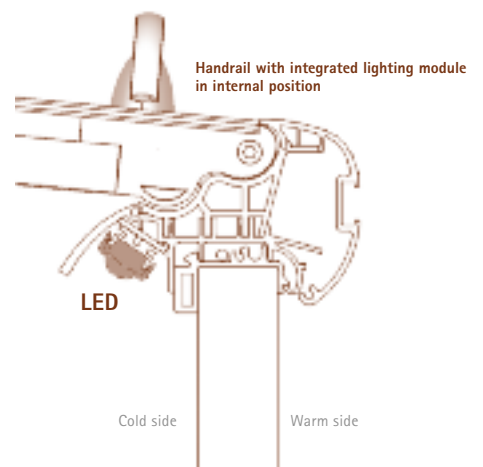


LED lighting in handrail + middle rail (optional) + push sliding profile (optional)

LED – longer illumination with less energy

We develop customised solutions

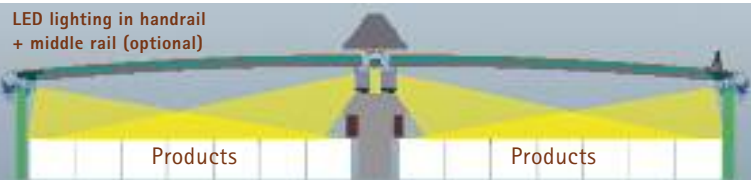
- **Lights on the inside of the handrail**
Carefully thought out construction of PAN-DUR handrails offers installation of lights on the inside as well as on the outside.
- **Intelligent thermal management**
Thermally conductive handrail construction transfers LED process heat from the inside to the outside of the cooling cabinet.
- **LED lights enable lower energy consumption**
- **Increased life cycle**, maintenance intervals are noticeably longer
- **Additional LED lighting** is integrated into the push sliding profile



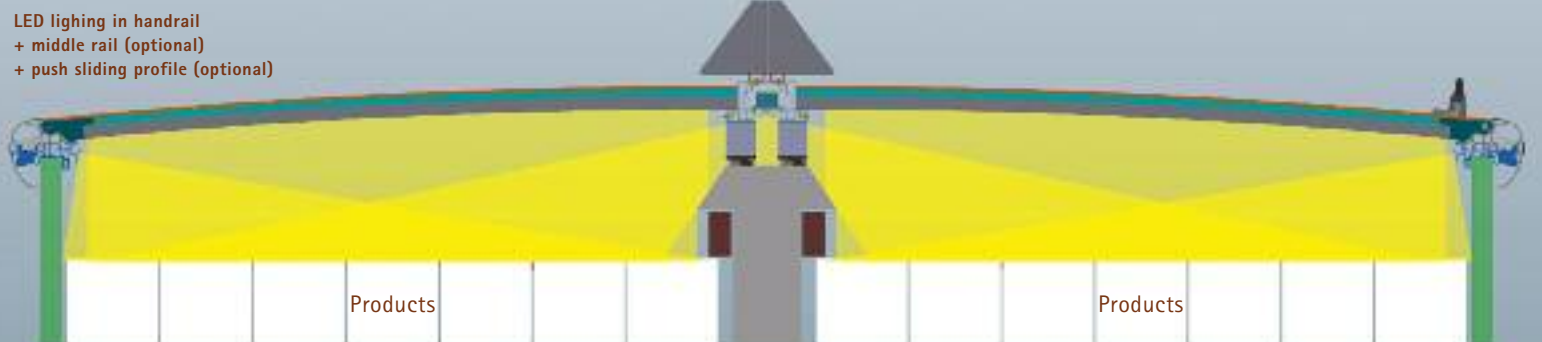
LED lighting in handrail standard

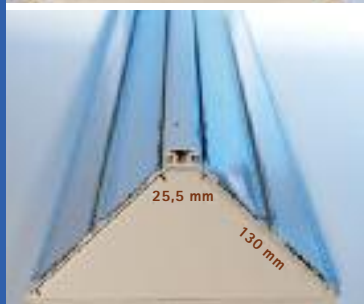
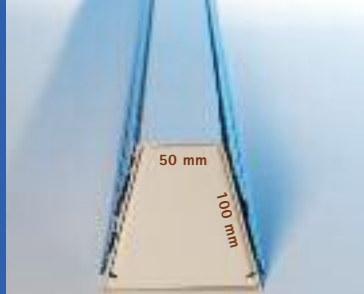


LED lighting in handrail + middle rail (optional)



LED lighting in handrail + middle rail (optional) + push sliding profile (optional)





Price displays
made of powder coated steel

Price tickets upon request

Bag holder



Handles

- Available in various colours
- Imprinting and logos upon request



Design profile in handrail
available in various colours



Silicon lubricant

The care product to
preserve easy sliding of the
PAN-DUR Glass System

Individual – according to your request

Improve your image with ECOLUX Push

PAN-DUR offers customised and high-quality design options, which integrate completely into the image of your store. Modern design enables attractive presentation of the products.



Intelligente
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