



Create Natural Comfort

HEATING AND LIGHTING SYSTEMS - THE NEW GENERATION

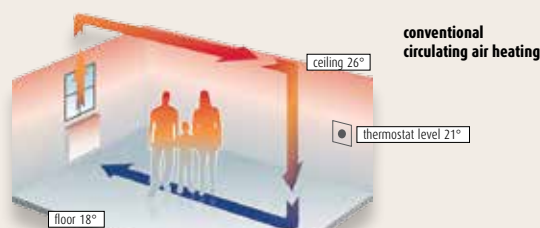
 **COPAN** HEATING AND LIGHTING

 **tePAN** HEATING

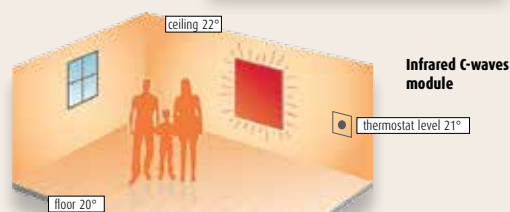
 **LipAN** LIGHTING

Advantages at a glance:

- healthy heat waves (sun principle)
- healthy room temperature (natural heat waves)
- low investment costs
- affordable running costs
- no complicated installation preparation
- low maintenance operation and a long lifetime



Central heating generates circulation heat in the form of air rising from being warmed by the heating element. By way of the cooling process, air sinks and is then heated again repeatedly. In this manner a vertical difference in temperature is obtained.

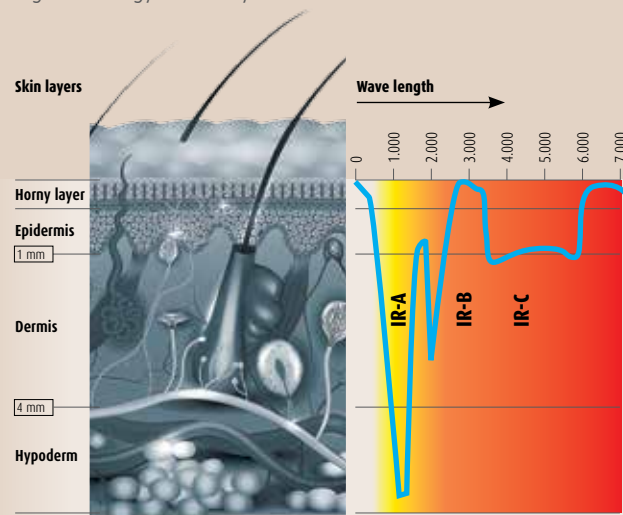


Infrared C-waves create a soft cozy warmth in the room. Infrared C-waves warm furniture and flooring, they produce thermal comfort through evenly balanced temperature conditions.

POTENTIAL INFRARED

The use of infrared technology in order to cover heating needs in living and work areas is constantly gaining more importance. On one hand fossil fuels and heating materials need to be replaced in a foreseeable time span, and on the other hand infrareds newest technology is showing its potential in a wonderfully impressive way.

Infrared A-waves are being used in Medicine, for example. The waves promote blood circulation in tissue. **COPAN and TEPAN heating panels** constrain themselves to infrared C-waves, and that for a good reason. C-waves permeates gently into the top surface of the skin and warms the body like the sun or a tile stove. At the same time, they heat objects found within the room, which creates a pleasing and healthy heat development while maintaining the highest energy efficiency.



Penetration of infrared waves in skin levels



tepan
Wall panel 62 x 122 cm, with motif

Advantages of our panels at a glance

- uniform warm light distribution within the room
- effective and healthy heating
- economical infrared technology
- rapid warming time (10min. max)
- highest heating effect in room direction
- unequaled sense of well-being



COPAN panel

Combined heat and light panel with innovative LED-module



TEPAN panel

IR heating to full extent as by COPAN, yet without LED-module

THE HEATING PANELS:

COPAN – effective and economical heating plus complete surface LED-Light

TEPAN – effective and economical heating

COPAN has been the first to be able to combine a heating panel with overall LED-light coverage. This enables the user a variety of light installation possibilities. From the most modern workplace lighting to impressive living area lighting. Independently controllable, at the same time combined with the most innovative heating technology of the present.

TEPAN is the efficient compliment to **COPAN** for application, when it comes to exclusive heating. The motto here is: “Effective, economic and healthy heating for a variety of uses.”

COPAN and **TEPAN** -panels possess a patented infrared technology of the newest generation. The undisputed advantages of infrared used in module-based heating-constructions, are even exaggerated in our optimized **COPAN** and **TEPAN**-panels. In combination with their future based economic energy technology, “**HELICON**” offers the most economic infrared technology of the present.

Warmth management: **COPAN** and **TEPAN** heating panels give a previously unattained practical radiant heat of 98% and up. The panels reverse side remains approximately at room temperature, which enables an integrated built-in ceiling system. This allows the total heating energy to work towards the direction it is needed.

COPAN and TEPAN panels are as a result, extremely effective, energy efficient and economical.



HELICON ECONOMICAL ENERGY CONTROLS

Advantages of the HELICON control system at a glance:

- energy savings of up to 40%
- individual adjustable heating temperature
- variation of luminous colour 2700k - 6000k
- dimming of light intensity
- power consumption monitor
- off-site operation control by way of Wi-Fi
- Smart-Home connection available



Room temperature can be manually adjusted with TH-d room control. The actual room temperature is shown on the LCD display. Heating can be completely deactivated in instances where heating is not needed


Energy cost savings of up to **40%** is what the **optimized** microprocess control "HELICON" results in. It regulates the selected temperature like a cruise control with a minimal variance from +/- 0,2 degrees °C. While conventional infrared heaters turn off, cool down and if necessary, restart after reaching desired temperature level, **COPAN** and **TEPAN** run constantly in an energy saving modus, saving valuable energy and resources.

A further innovative advantage of **HELICON** regulation technology is the convenient piloting of various functions and security tools from smartphones, tablets or pcs. A connection to the steering function is easily established via Wi-Fi. Room temperature and heating temperature can be adjusted, and the lighting by **COPAN** can be adjusted independently as well. All this is without software or apps. Once installed, everything functions through use of a light switch or thermostat.

Picture 1 Heating phase
Control centre show the maximal power consumption.

Picture 2 Operating phase
After reaching selected heating temperature, approximately only 60% of the energy is needed.



 heating panel 62X122 cm, with motif

INDIVIDUAL DESIGN SOLUTION

COPAN, TEPAN or **LIPAN** panels can be adjusted to each individual accommodation. Scope for design depends on the frame, the colour, the heating area or a personally chosen design for the heating area. As a result, not only are the heating and lighting panels well integrated but accents are also composed.

Standard formats are 62X62cm or 62 X122cm.

TEPAN heating panels and **LIPAN** lighting panels are available in additional sizes as well as frameless in **"TEPAN economy"** for general application, and are attainable for suspended grid ceilings. The standard implementation of frames for all panels is in black or white lacquered, as well as the heat surface for **TEPAN**. Individually requested colour tones (by RAL) are a possibility. Optional frame models in almost all wood forms are also available.

Our Motive: To offer a unique way of introducing individually chosen frame heating and light picture designs to interior design. At **TEPAN** designs can be chosen without lighting and at **LIPAN** designs with lighting.

Hence, COPAN, TEPAN and LIPAN panels can be perfectly adjusted to all interiors.



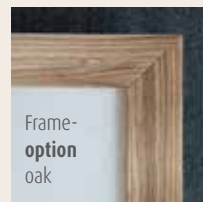
Frame-
standard
white



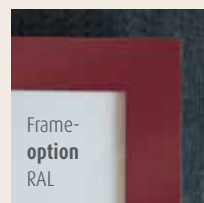
Frame-
option
rustic swiss
stone pine



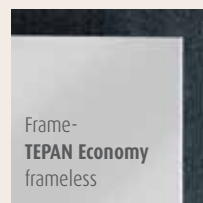
Frame-
standard
black



Frame-
option
oak

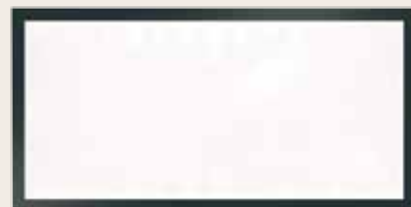


Frame-
option
RAL



Frame-
TEPAN Economy
frameless

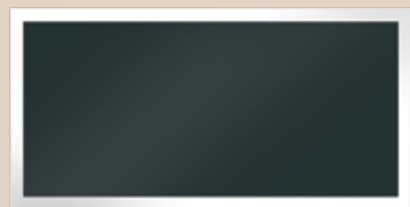
From the latest heating-light combination, to image heating: COPAN, TEPAN and LIPAN offer many new features in addition to the latest in heating technology design options.



*COPAN Heating Light Panel 62X122 cm,
with full-surface LED light*



*LIPAN light panel 62X122 cm,
with motif*



*TEPAN heating panel 62X122 cm,
Heating surface black*



EASIEST INSTALLATION

Nothing can stand in your way with HL Innovations certified magnetic fixing, the fastest electrical connection and on demand a wireless switch

All mounting material, a drilling template and installation instructions is included in delivery.



*The practical
Magnetic spacers allow
easy installation with
shadow gap.*



FEELING GOOD WITH TEPAN, COPAN AND LIPAN

Heating systems and **lighting systems** play an essential role in whether a person feels comfortable in a room. Warmth and light presumably influence comfort most. The cost factor precisely plays an essential role in new constructions, renovations or daily office areas. **COPAN** and **TEPAN** heating panels, along with the well-thought-out **LIPAN lighting system** succeeds in providing a professional and contemporary balance between perfect comfort and economical application. Not only short-term, through lower investment costs in your heating system but also on the long run through lower running costs.

Whether it be **new constructions, renovations** or **additional heating** needs in your personal life or at work, with the advanced technology of **COPAN, TEPAN** and **LIPAN** the customer always wins. Convince yourself and contact one of our consultants.

Your project will be professionally prepared and taken care of. Systematically according to plan and to your utmost satisfaction. Put your trust in our quality – we'll shake on it!

Contact us, we want to inspire and excite you.



COPAN AND TEPAN – PROVEN MANY TIMES!





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HL INNOVATION

HEADQUARTER
UND MANUFACTURING

HL INNOVATION GMBH
Planseestraße 4, A-6600 Reutte
T: +43 5672 64064 | Mobil: +43 676 5812 622
E: info@hl-innovation.at

SHOWROOM INNSBRUCK

Kaufmannstraße 38a, A-6020 Innsbruck
Mobil: +43 676 5812 622

HL Innovation Contract partner

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