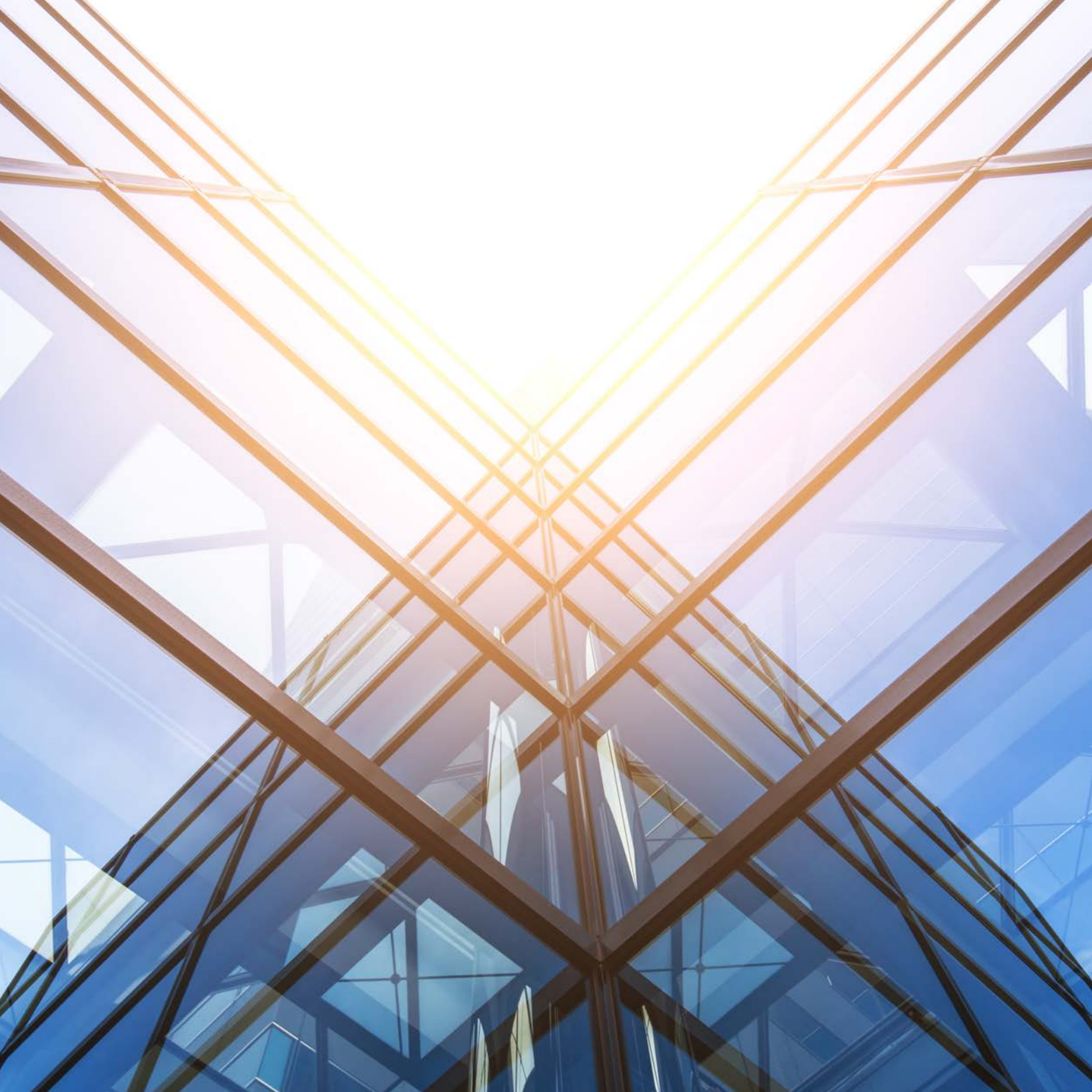


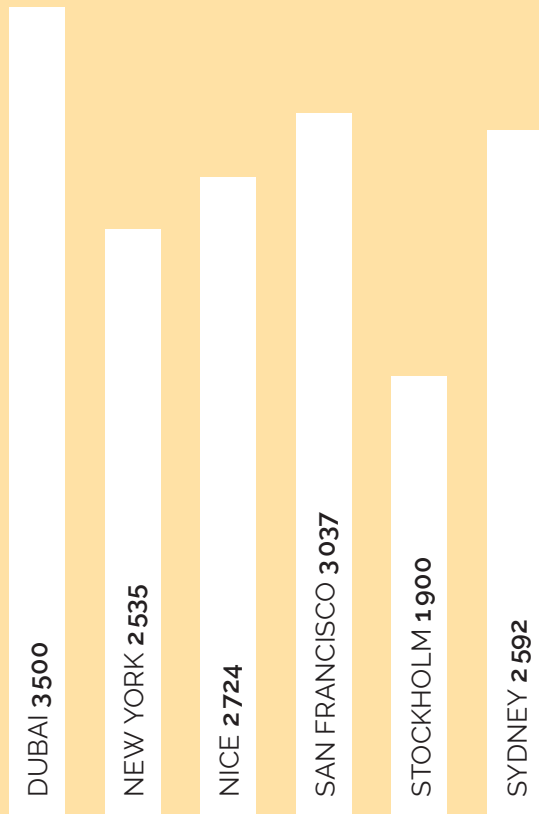
PARANS

Leading sunlight



SUNLIGHT is important for us humans. We feel better, learn better and faster, achieve better and become more productive - we **succeed better**. Many people spend an essential part of their day indoors and do not experience the sun's **healthy natural light**.

MOST OF US SPEND 90 %  
OF OUR TIME AWAKE  
**INDOORS**



Average hours of sunlight per year.

# THE NEED

When a soft beam of sun illuminates a dim office, that office instantly becomes more valuable. Why? Simply put, we are made to love natural daylight. This previously dark room now fosters productivity, health and happiness. With most people spending most their time indoors, access to natural light is not only a hallmark of sustainable design, it also defines today's most valuable real estate.







# THE VALUE OF SUNLIGHT

The people, the business and the environment are all connected and dependant on each other. By using natural light, we create positive effects for them.

## PEOPLE PERFORM BETTER

To work and learn in natural light is not only pleasant and beautiful, it also plays a crucial role in keeping our minds alert and our bodies in balance. We simply perform better. Clinical research has proven that natural light not only improves cognitive functions and promotes learning, it also makes us feel much better. Students learn faster and get higher test scores. Patients have a shorter recovery time. Sick-leaves decrease. We succeed better.

## IMPROVED BUSINESS

Natural light improves performance, learning and health. And when that happens, businesses succeed. Additionally, PARANS' solutions can help companies earn green building certifications, such as LEED and BREEAM, that communicate environmental leadership to all corporate stakeholders.

Daylit spaces command better rents. PARANS' solutions can distribute natural light more evenly throughout the building, regardless of orientation or floor level. The result is an overall increase in property value. Whether for new construction or retrofit, PARANS' solutions can reduce or eliminate light shafts, resulting in less HVAC demand because IR and UV radiation is filtered out. Green business is good business.

## THE ENVIRONMENT IS LESS IMPACTED

PARANS' solutions are environmentally friendly – the pure sun is the light source. The PARANS system consumes close to zero energy. By using renewable resources, the environment will be less impacted and our carbon footprint will decrease.



**BREEAM®**





# APPLICATIONS

In every building where a comfortable and healthy indoor environment matters, PARANS' solutions offer a valuable contribution. In large and complex buildings, natural light and the connection with the outside world is often limited. Common areas such as conference rooms, lounges, libraries, are often placed in the central parts of the buildings and left without access to natural light. The densification of cities also creates new daylight challenges. Typical buildings for PARANS' solutions can be found below.

**Commercial buildings:**

- Offices
- Shopping malls
- Hotels

**Healthcare facilities:**

- Hospitals
- Healthcare centres

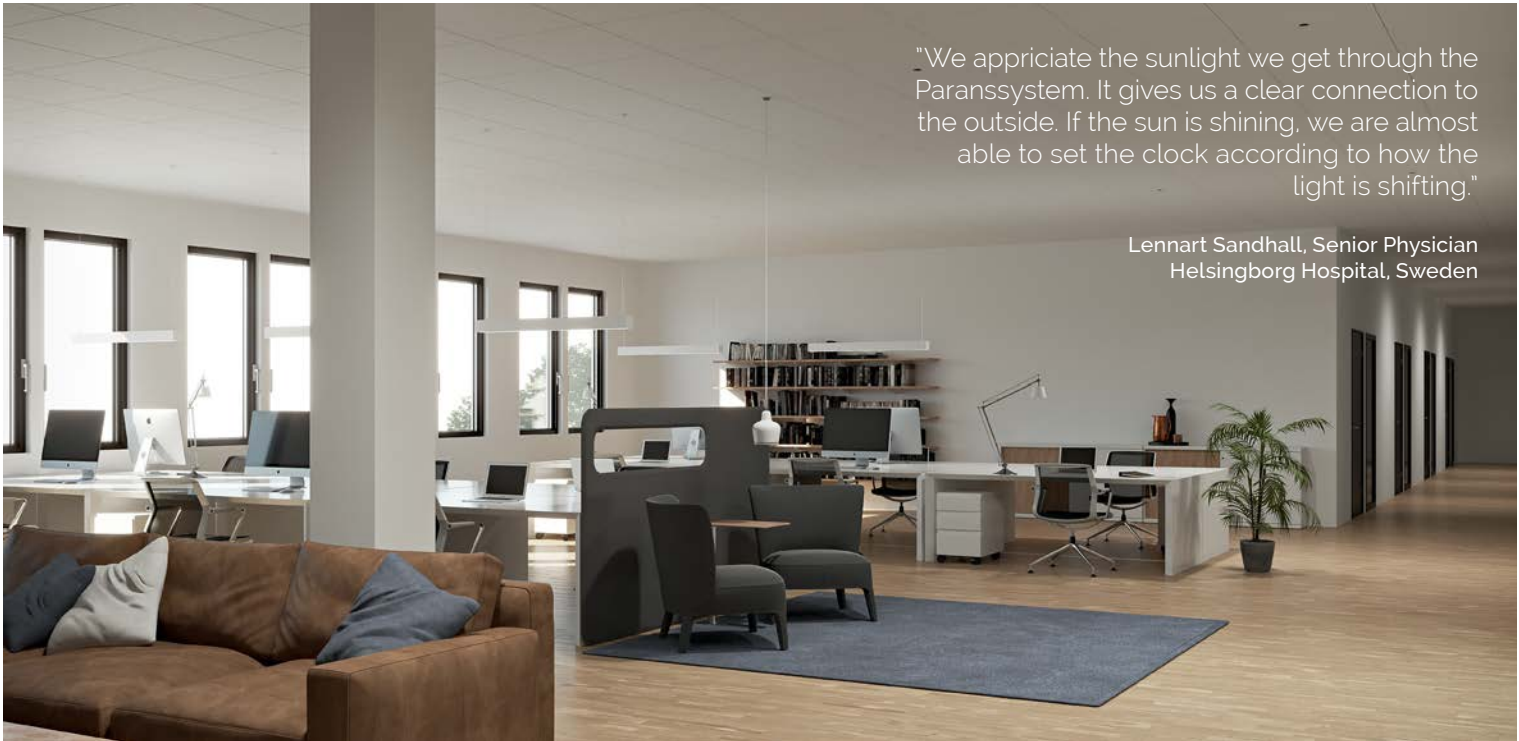
**Educational buildings:**

- Universities
- Schools

**Other buildings:**

- Public buildings
- Underground spaces





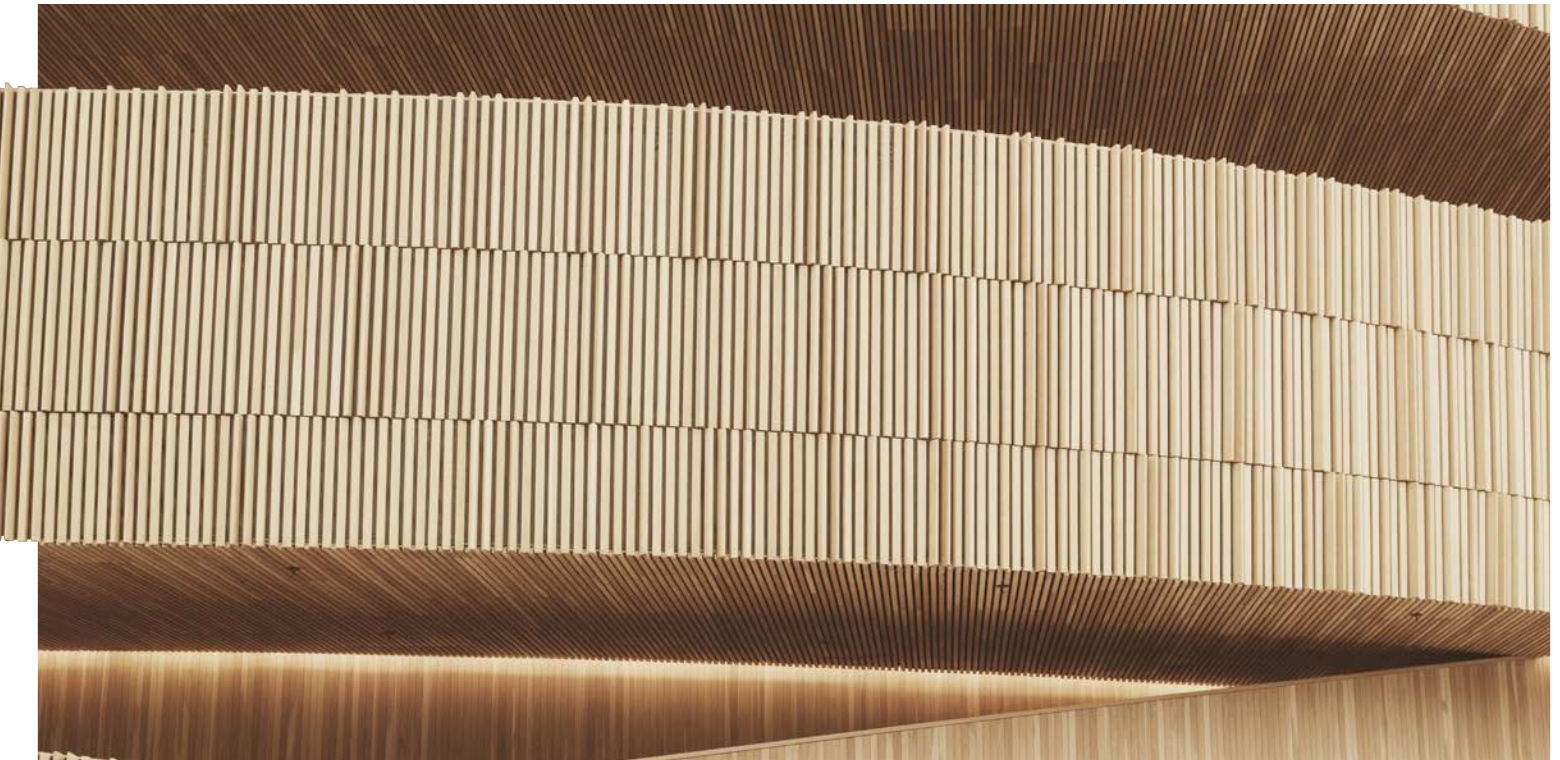
"We appreciate the sunlight we get through the Paranssystem. It gives us a clear connection to the outside. If the sun is shining, we are almost able to set the clock according to how the light is shifting."

Lennart Sandhall, Senior Physician  
Helsingborg Hospital, Sweden





# HOW IT WORKS



Since 2003 PARANS has brought natural light to the indoor environment with the help of its green Swedish innovation – the PARANS system. With the new fourth product generation – the SP4 – you can bring natural light to every room, on every floor, in every building. PARANS' solutions create unique indoor environments where the natural variation of outdoor sunlight is present.

### **COLLECTORS ON THE ROOF**

Through innovative technology and design, the intelligent collectors follow the sun during the day, just like a sunflower. The collectors are modular, expandable and can meet your need for natural light in the best possible way.

### **SUNLIGHT IS TRANSPORTED 30 FLOORS**

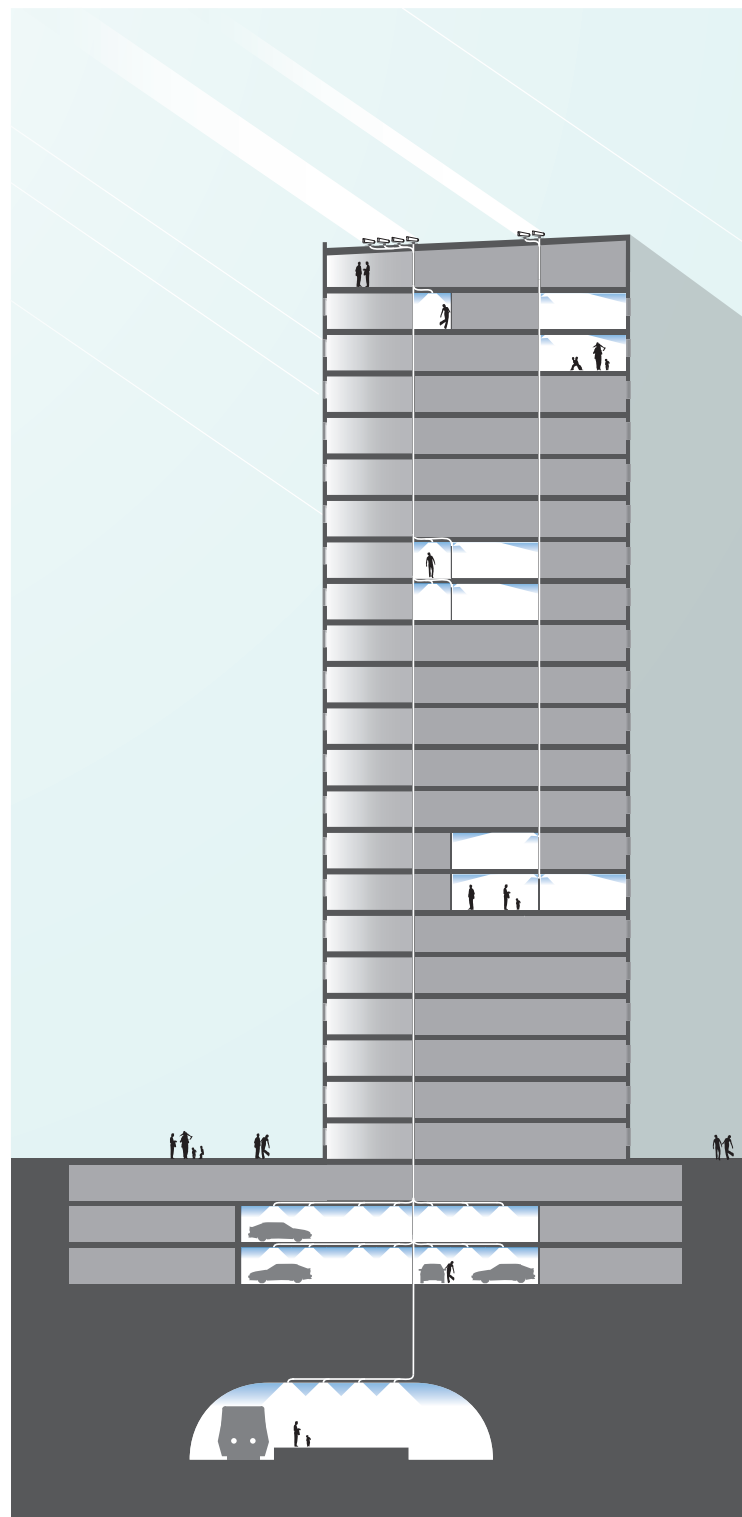
Fibre optic cables transport the natural light 100 meters in and through the property while retaining both a high level of light quality and light intensity.

### **ALWAYS CONNECTED TO THE CLOUD**

The PARANS system is constantly connected with the internet in order to provide performance data. Customers can receive information on the amount of hours of sunlight in the building and the service organisation can monitor its level to ensure maximum up-time.

### **THE NATURAL LIGHT EXPERIENCE YOU DEMAND**

All people in every room, even deep into the building, can experience healthy natural light. The light can be spread in a variety of ways, creating the experience you demand.







# NATURAL LIGHT INSIDE

You could spread the light in a variety of ways meeting your demands:

**POINT LIGHT** — provides light over a large area

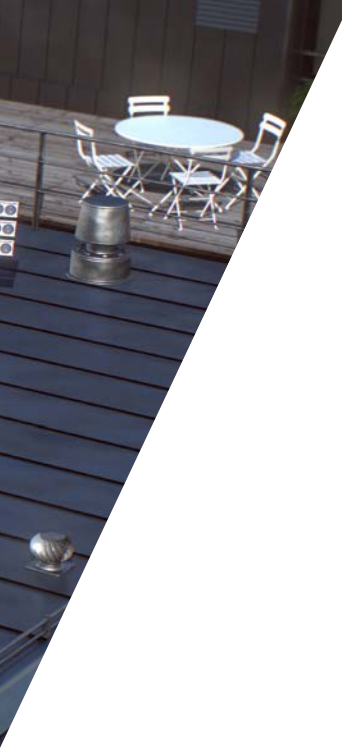
**SHAFT LIGHT** — providing an illusion of an open shaft

**WALL LIGHT** — providing light over the wall

Which light experience do you prefer?







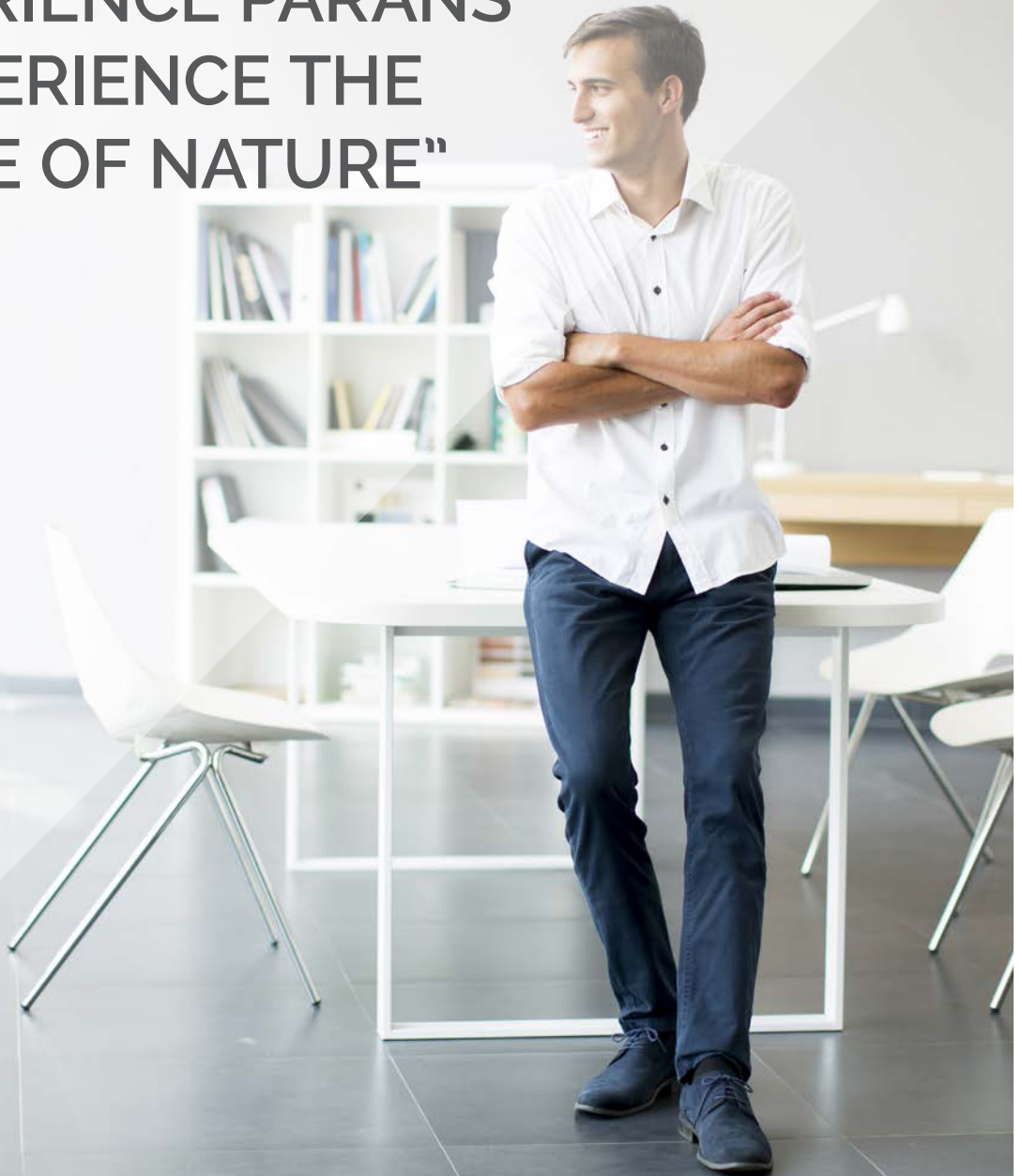
# ON THE ROOF

## THE NEW FOURTH GENERATION PARANS SYSTEM – SP4:

- full spectrum light — the highest quality available
- provides natural light 30 floors down from the rooftop
- provides natural light to one conference room or the entire office
- customized cable length — up to 100 meters
- modular system — 8–40 light points/collector
- flexible cables — transport light both vertically and horizontally
- thin cables — no structural engagement in the property
- no non-visible radiation, such as IR and UV
- connected to the cloud — provides performance data



**"TO EXPERIENCE PARANS  
IS TO EXPERIENCE THE  
PRESENCE OF NATURE"**



Welcome the sun into your building! Let all people  
working and learning thrive under healthy natural light.  
If they thrive, your company will thrive!

PARANS

Leading sunlight

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