

NANOPTIQS

OPTICS REDEFINED



# IQ System

**Our Tiny Optics  
Your Grand Designs**

# NANOPTIQS

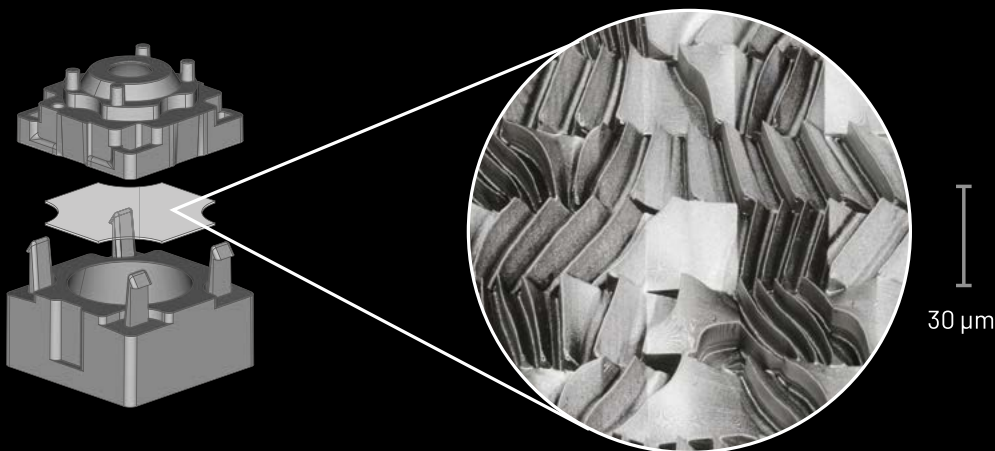
Pioneering optics innovation with micro and nanostructures

## Welcome to IQS NANOPTIQS

As part of the IQS Group, we specialize in micro and nanostructured optics, revolutionizing LED lighting, sensors, and automotive lights. Our expertise? Creating high-efficiency, innovative optical elements.

## Innovative Optical Solutions

Our products, including the IQ Linear series, offer superior performance through miniaturization and precision in light management. For custom needs, the IQ System delivers tailored solutions, enhancing both material and energy efficiency.



3D model showing a typical nanostructured surface.

The nanostructure depth is exaggerated in order to clearly show the facets.

## Expertise That Leads

Our R&D team, with 25+ years in the field, drives our success, utilizing advanced technologies to design, develop and produce cutting-edge optics in our state-of-the-art facilities in the heart of the Czech Republic.



# IQ System

Experience the future of luminaire design with IQ System advanced optics - where cutting-edge nano-optic technology meets sleek, minimalist design for your architectural lighting projects.

## MINIATURIZATION OF DESIGN



1 m long luminaire can be as light as 135 g

Allows for seamless luminaire integration into the architecture

## SUSTAINABILITY



More than 20 Lumen per gram of luminaire weight (without PSU)

Saves material and energy and enables overall sustainability of the luminaire project

## OPTICAL EXCELLENCE



Ultimate control over light distribution

Enables development of a luminaire range with broad lighting applications

## HIGH VISUAL COMFORT



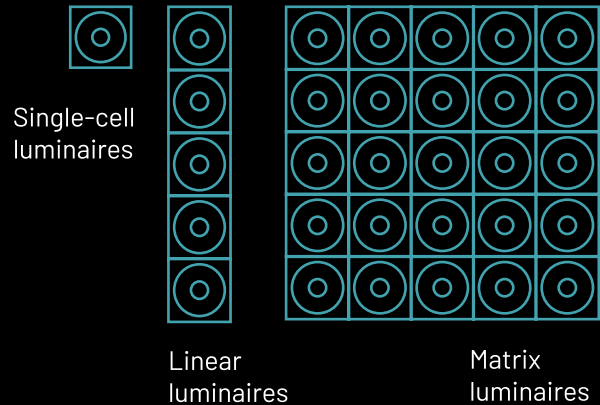
UGR < 13

Enhances visual comfort in line with the latest lighting standards



# Flexibility in every light

The IQ System is notably versatile, accommodating single-cell, linear, and matrix/freeform setups with ease. This adaptability along with a broad spectrum of light management options empowers designers to explore innovative lighting solutions, ensuring both creativity and functionality in various settings.



## Antiglare Cover

Effective glare reduction  
ensuring visual comfort

Variety in design and colour for optimal  
optical performance and glare control.

## NANOPTIQS Film

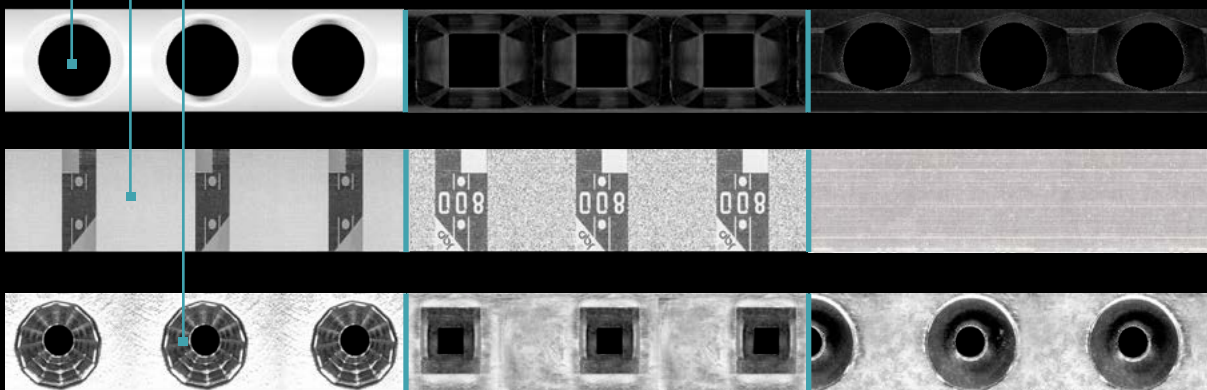
Enhanced optical precision  
and light distribution

Adjustable in terms of a range of light  
properties to match your project  
requirements.

## Reflector

Fundamental light shaping  
and control

Can be tailored in size, shape,  
and reflective properties to suit different  
lighting applications and aesthetics.



# Precise light management

Create a diverse range of luminaires for broad architectural lighting needs. IQ System, expertly designed, developed, and produced, offers unmatched precision and minimal glare to meet the unique requirements of your projects while promoting compact designs.

## Suggested applications



Broad range of precise, low glare light distributions available on demand



DOWNLOAD CENTRE

Contact us today!  
Illuminate the possibilities with NANOPTIQS.

IQS NANOPTIQS s. r. o.  
Hlavní 130, 250 68 Husinec-Řež, Czech Republic



[www.nanoptiqs.com](http://www.nanoptiqs.com)