FLICKER - DEMONSTRATION

Herr Mag. Wilfried Pohl
Bartenbach
Core Focus: Optics
Light Impact Research

Visual light effects

Non-visual light effects

More than 10 clinical studies

Acceptance Studies/Spectral Quality

RESEARCH & DEVELOPMENT
RESEARCH & DEVELOPMENT

Light Impact Research

Development of a novel device for light therapy

Illuminations for elderly people

Safety aspects of tunnel lighting with newly developed measuring methods

Spectral Quality
RESEARCH & DEVELOPMENT

Light Impact Research

Puerperal Ward: mothers & neonates

Night Shift Study

Biodynamic Illuminations – Human Centric Lighting

LivingLab: Bartenbach Office

Psychiatric Hospital Hall

light health
Artificial lighting

- Energy Efficient Shop Illuminations
- Street Lighting: Glare
- Measuring Road Reflectances
- Micro- and Nanostructures for Optics

Smart Lighting Controls
RESEARCH & DEVELOPMENT

Daylighting

Energy Calculation with Day- and Artificial Light (DALEC)

Feasibility Studies and Consulting

Calculation, Simulation and Measuring Methods

Development of new Daylighting Systems with Free Form Surfaces
Was ist Flicker?

Ripple
Restwelligkeit

Flicker
Dimmung

Schwebung
Überlagerung mehrerer Frequenzen

Chromatic-Flicker
Farbflicker

Hubeli Marcel
Metrics and Recommendations
(e.g. IEEE PAR 1789, CIE TN 006:2016, IEC TR 63158:2018)
Demonstrator