Best Practice

Lighting for Ski Areas
Wimbachexpress

- **Project Type**: Public Space
- **Location**: Kaltenbach, Zillertal, Austria
- **Client**: Schultz Gruppe
- **Luminaire**: R1 / R2
- **Lighting Design**: Die Lichtplaner
- **Year of Installation**: 2018

Spieljochbahn

- **Project Type**: Public Space
- **Location**: Fügen, Zillertal, Austria
- **Client**: Schultz Gruppe
- **Luminaire**: R4
- **Lighting Design**: Klaus Hochschwarzer
- **Year of Installation**: 2017
ewo’s prowess in supplying illuminations for ski areas is demonstrated by these two stunning colourful installations for LEITNER Ropeways projects, featuring lighting designs by Klaus Hochschwarzer (Die Lichtplaner).

Mr Hochschwarzer’s impressive Spieljochbahn lighting design, shortly followed by the new Wimbachexpress illuminations, showed a tremendous confidence in ewo’s ability to produce large-scale theatrical projects.

AN IMMEDIATE RE-ORDER

Success breeds success
Immediately following the success at Spieljochbahn, Mr Hochschwarzer began working with ewo on a similar project which was completed in December 2018, at the Wimbachexpress high-speed ropeway in Zillertal valley.

A popular location for skiers the world over, Zillertal valley’s Hochzillertal Albergo is now illuminated with ewo R-System RGBW LED floodlights, which light the ropeway from pole to pole along a 2175 m long, 703 m high track, completed in 2018.

Utilising the R-system slightly differently to Spieljochbahn, this project made use of ewo R1 and R2 RGB-configured floodlights.
COLOURFUL CONTROL

A surreal experience

DALI controlled illuminations give full power to the customer, allowing for either automatic or manual changes to the colours, as well as the distributions themselves.

Cost effectiveness was achieved through use of DALI-drivers to control RGBW functionality, directly manageable by the client.
THE IMPORTANCE OF MODULARITY

LED components normally reserved for architectural projects (narrow beam optics, RGBW LEDs) were selected here.

The architectural optics were combined with a product normally selected for functional large-area installations (mainly airport apron illuminations).

How did we succeed in creating such a powerful RGBW illumination?

READY TO ADAPT

Modularity at our core

A common solution would be to use large amounts of spot projectors. But ewo’s modular system requires only a few adapted high power floodlighting systems, to produce industry-leading results.

Wimbachexpress

Spieljochbahn

R1 R2 R4
LUMINAIRE POSITIONING - WIMBACH

1. R1 RGBW
2. R2 RGBW
3. R2 RGBW
4. R2 RGBW
5. R2 RGBW
6. R2 RGBW
7. R2 RGBW
8. R2 RGBW
9. R1 RGBW
10. R1 RGBW
11. 2x R2 RGBW

RGBW CONFIGURATIONS - WIMBACH & SPIELJOCHBAHN

MOUNTING

Support: With bracket on lift support
Vertical, with shock absorber

MATERIAL

Bracket: Hot-dip galvanized steel
Housing: In die-cast aluminium, with front single-pane safety glass (ESG) cover
Lens: PMMA
Finish: Polyester powder coating silver (RAL 9006 / DB 701)

LENS SPECS

Type: AG01 Narrow Spot 8°

PRODUCT SPECS

Model: R1 / R2 / R4
Output: 700 mA
Controlled by: DALI / Moodbus / Radio 433 MHz
LED Quantity: R1 → 128, R2 → 256, R4 → 512

TECHNICAL DRAWING

TECHNICAL INFORMATION

ewo’s modular concept

The R-System panels for these two projects are arranged on the skilift poles, with distance of separation between poles dictating the level of illumination required.

All luminaires are specially fitted with RGB LEDs, with the systems at a height of 1600 up to 2340 m above sea level.
ewo creates high-quality lighting systems for public spaces. At the main facility of this family-run business, headquartered in South Tyrol, ewo develops products which illuminate streets, squares, buildings and walking trails, urban gathering points and airports. A modular LED unit forms the basis of the company’s sustainable and efficient lighting projects, irrespective of scale.

The company’s progressive technology, know-how and open creativity made it a trendsetter for the sector. Even in the most challenging scenarios, ewo provides custom-tailored products and lighting designs for distributing and controlling light, features that are a notable standard of quality in the design of public spaces.