

The unique Quadrification Lens Optic (QLO) combines directional light distribution with a brilliant look. High lighting quality requirements are met through excellent glare control, high luminaire efficiency and a batwing beam pattern.

Luminaire efficiency: up to 141 lm/W

Very good LED binning: 3-step MacAdam

Long LED service life: 50 000 hours (L80)

Dry location

**USA and Canada**

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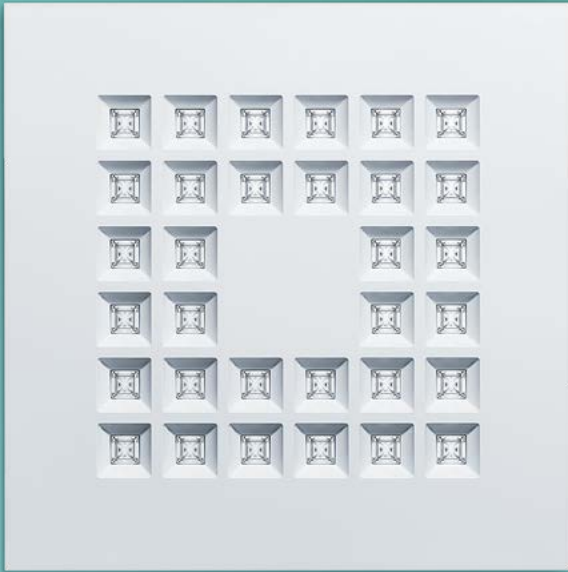
zumtobel.us

Zumtobel Lighting, Inc. (Americas Division), based in Highland, New York, is a subsidiary of Zumtobel Group AG. As an innovation leader in the North and South American markets, Zumtobel provides next-generation lighting solutions and luminaires. Designed in both the United States and Austria, Zumtobel luminaires are manufactured in Highland, New York. Zumtobel Lighting, Inc. strives to meet the evolving needs of its customers and ships its most popular product in 10 days or less and standard product offerings within 4 – 6 weeks with an industry leading 98% on-time delivery rate.

Zumtobel is a brand of Zumtobel AG with its head office in Dornbirn, Vorarlberg (Austria).



ZUMTOBEL



## *MIREL LED*

141 lm/W pure efficient light quality

*“MIREL LED is the next generation of louver luminaires. By giving the luminaire a distinct appearance, Zumtobel has mastered the challenge of integrating energy-efficient LED technology into a tried-and-tested stylistic idiom: the LED lens clusters of MIREL LED remain visible to the user. With its clear, unobtrusive and universally applicable design, the luminaire comes with great potential for lighting quality and energy efficiency.”*

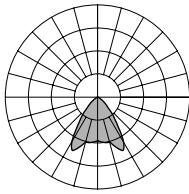
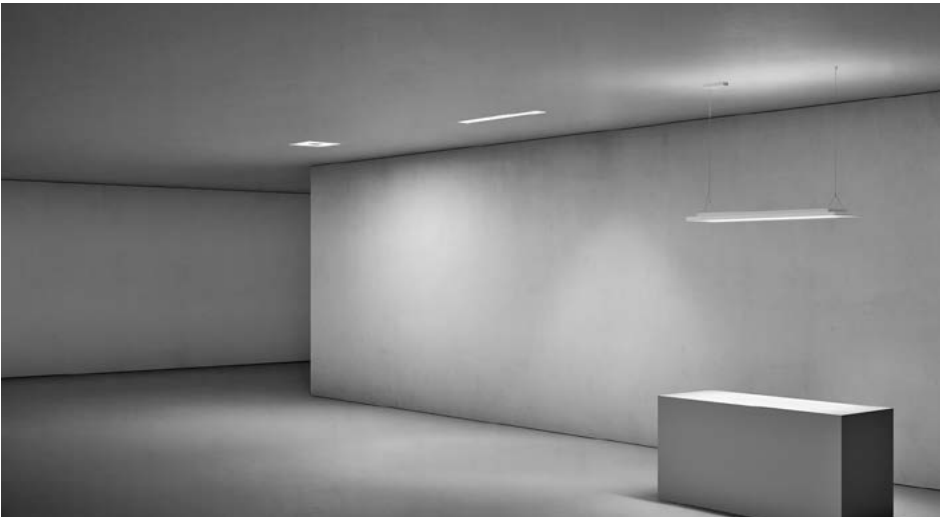


## *MIREL LED*

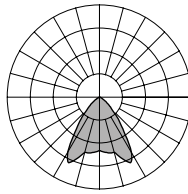
Pure efficient light quality

With its clear, minimalistic and universally applicable design, the luminaire developed in collaboration with STUDIO AMBROZUS exploits its full potential, in terms of lighting quality and energy efficiency. With a color-rendering index of CRI 80+, the luminaire is particularly suitable for varied visual tasks in offices, classrooms and general-use areas.

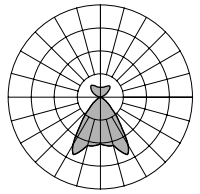
In many ways more advanced and different from its famous predecessor, the luminaire is characterized by the same unique appearance. The unique LED optics combine directional light distribution with a brilliant look. Light guided via Zumtobel advanced Optics Quadrification-Lens (QLO) allows for high lighting quality, perfect glare control and batwing light distribution. The luminaire's luminous flux levels and module sizes, however, have not changed in comparison to the traditional recessed louver luminaire. Old and new conventional luminaires can be replaced on a one-to-one basis, which makes MIREL LED a natural choice in renovation projects where an enhancement of the light environment is the goal.



2x2 Recessed



1x4 Recessed



1x4 Pendant



2 X 2

1 X 4

2 X 4

Recessed  
Surface-mounted

Recessed  
Surface-mounted  
Pendant

Recessed

**Delivered Lumens**  
2800 lm  
3800 lm

**Delivered Lumens**  
2800 lm  
3800 lm  
2900 lm (Pendant)  
5700 lm (Pendant)

**Delivered Lumens**  
2800 lm  
3800 lm

**Color Temperature**  
3000 K  
3500 K  
4000 K

**Color Temperature**  
3000 K  
3500 K  
4000 K

**Color Temperature**  
3000 K  
3500 K  
4000 K

**Color rendering index**  
CRI 80+

**Color rendering index**  
CRI 80+

**Color rendering index**  
CRI 80+

**Watts**  
22 W – 31 W

**Watts**  
22 W – 31 W  
23 W – 48 W (Pendant)

**Watts**  
21 W – 31 W

**Efficacy**  
up to 141 lm/W

**Efficacy**  
up to 126 lm/W  
up to 130 lm/W (Pendant)

**Efficacy**  
up to 141 lm/W

**Unified Glare Rating**  
UGR < 16

**Unified Glare Rating**  
UGR < 16

**Unified Glare Rating**  
UGR < 16  
UGR < 19 (3800 lm)