

The latest generation of the MarkLED 4 – Schaffhausen road tunnel

Optical guidance system in the Fäsenstaub and Cholfirst tunnels and Galerie Schönenberg

Customer/installation engineer:	ASTRA Winterthur/Kummler + Matter AG
Requirement:	Replacement of the optical guidance system
Solution:	Complete replacement of the old installation with MarkLED 4. The TrafficLED which can be driven over by traffic also installed in the pre-zones
Article:	MarkLED 4 (Item no. 860247) and TrafficLED (Item no. 138244)
Quantity:	462 pieces MarkLED 4 and 30 pieces TrafficLED
Equipment:	MarkLED 4 LED modules double-sided with each 4 LED white and TrafficLED with each 6 LED white
Areas of application:	MarkLED 4 LED modules double-sided with each 4 LED white and TrafficLED with each 6 LED white road tunnels, highways or main roads, underpasses, escape route lighting, boundaries between road users, also for use in railway tunnels with special designs as an option

Starting situation

The ageing optical guidance system (MarkLED 3) had to be replaced. We developed our new MarkLED 4 system as part of a continuous development process. This is also available combined with a fire emergency light as an option.

The old installation was completely replaced with MarkLED 4 including new control units. Furthermore, TrafficLED units which can be driven over by traffic were also installed in the pre-zones.

Customer benefits

- wide voltage range 16-48VDC
- protection category IP68
- individual components can be replaced
- complex customer requirements and different areas of application can be implemented
- manifold accessories



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