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**INNOVATIONS  
AND TRENDS**



## 110 Volt LED tube for trams



Application example of a 110 V LED tube in subways



The 110 V LED tube without ballasts

ONTOPx just launched the 110 Volt LED tube for trains, trams and subways. Ecofriendly, sustainable, efficient and maintenance-free: the 110 V LED tube from ONTOPx GmbH - developed based on the high standards from our 24 Volt LED tube, this innovation is unique worldwide specialized for the usage in subways. The tubes can be used with the existing T8/G13 socket without using the current ballasts which are not needed anymore and have been eliminated in that innovation. The result: easier installation with less maintenance. With lower power consumption, it can be possible to realize an energy saving rate up to 70% with the 110 Volt LED tube. With more than 15 years of experience, ONTOPx designs, manufactures and distributes high quality and reliable LED luminaires and illuminants worldwide.

**ONTOPx GmbH**  
**Germany - Hofheim am Taunus**  
**10.1, 203**

Contact: Christina Lindermann  
Phone: +49 6122 705850

[info@ontopx.com](mailto:info@ontopx.com)  
[www.ontopx.com](http://www.ontopx.com)

Subject to further change