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| **Overview:**   * Sensotek LED strips are manufactured in industrial design for easy and solid installation * The LED strips have a very long service life and MTBF (mean time between failures), thus reducing the need for maintenance * The LEDs enable the light color design on RGB basis (red, green, blue) * The LED strips operate in the low-voltage range and are therefore ideal for use in plant engineering with 24V DC * The LED strips can be easily controlled via PLC controllers to activate the color changes * Sensotek manufactures LED solutions, i.e. LED strips with the appropriate mechanical solution in different lengths * The LEDs require less electrical power with higher luminous performance compared to other lamps and can be flexibly adapted to fit into the surroundings * Due to their long service life, LEDs have a good carbon footprint. In addition, they are environmentally friendly to dispose of, as they do not contain toxins such as mercury |

**LED strips**

LED lighting is in focus for demand-oriented use as a light source for signaling states and events in the industrial environment, intralogistics,t and logistics, as almost all colors can be generated with LEDs. Typical are the signal colors of red, green, blue, and yellow.

Industrial LED strips can be used in a variety of applications where signaling is important.

**Typical applications:**

* Signaling in hazardous areas
* Switching, for example, from red to green and vice versa, as traffic light and warning functions. For example, in indoor logistics systems for operating forklift or driverless transport systems (DTS)
* Signaling the status of pallet conveyor technology in the floor of distribution centers in the unloading and docking area
* As auxiliary information in the outdoor freight forwarding area as guidance system and docking aid for truck drivers
* Use in barrier systems on the barrier boom. Closing when red, opening when green
* Use as signaling devices for gates with dynamic height limitation
* Enabling gates of fire exits with LED strips for quick exit with changeover from red to green, as well as signaling inside the gate systems to indicate the closing or opening status for rapidly exiting vehicles to avoid collisions with fast-moving gates

Lighting systems with industrial LED strips are available in basic RGB colors as well as in white, from warm light to cold light also suitable for promotional illumination.

**Sensotek. Intelligent Sensor Solutions**

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| **Bildunterschrift** | Optical separation system from Sensotek on a personnel turnstile with LED strips for additional optical visualisation |
| **Download-URL**  <https://myconvento.com/public/get_file.php?id=enc2_VFRsR2RYZHFPVVZVVG0xM2RFZDJaVWx2THpOWFFUMDk&download=1> | |

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| **Bildunterschrift** | LED strips in a loading apron |
| **Download-URL**  <https://myconvento.com/public/get_file.php?id=enc2_WmxNMk5FdFFVbVJzUTFGTmNXYzVkM0ZZWVVwVVFUMDk&download=1> | |

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| **Bildunterschrift** | LED strips installed in a height control |
| **Download-URL**  <https://myconvento.com/public/get_file.php?id=enc2_ZFd4aVMwdGpkbHByVlZWS1NVbzJWMmhLTVRZeWR6MDk&download=1> | |

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