

TECTON  DC

 ZUMTOBEL

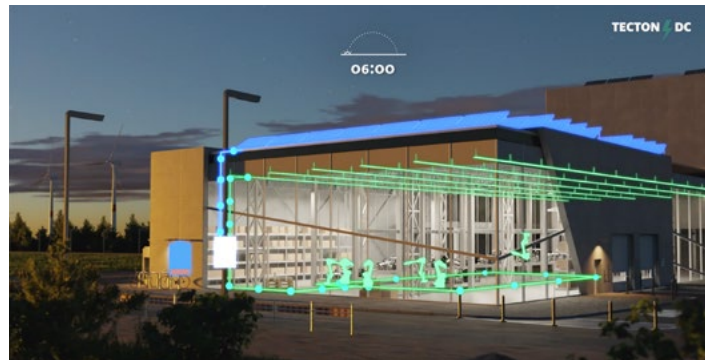
ZUMTOBEL

TECTON DC

INTO THE FUTURE OF ENERGY WITH DC

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TECTON DC – one of the first of its kind: Instead of alternating current, the new Zumtobel light line uses direct current. With the highest safety standards and tried-and-tested flexibility, it can process a nominal voltage of 650 volts. This means TECTON DC opens up entirely new ways to use current from renewable energies and smart DC grids seamlessly and without loss. Whether as a DC continuous row or a slim conversion kit – even small changes enable industrial companies to take big steps towards the future of energy.



Loss-free use of electricity from renewable energies

Many sustainable technologies, such as solar or photovoltaic systems, feed energy into the grid as direct current. The challenge: Tapping this, or even returning it, seamlessly and without conversion losses. To do this, industrial companies are trialling DC solutions instead of AC solutions. With the TECTON DC continuous-row lighting system, Zumtobel is providing one of the first standard components of a DC grid.



*To the animation
Energy flow in a direct current factory*





Direct line to renewable energies

TECTON DC is the first continuous-row lighting system with direct current in Zumtobel's portfolio – and one of the first of its kind on the entire lighting market. The next generation of continuous row achieves two to four percent more energy savings than the classic AC model. Since TECTON DC uses current from renewable energies directly and without loss, the continuous row contributes towards social sustainability goals. And at the same time, it reinforces the autonomy of industrial companies: Energy produced on-site using renewable sources is less susceptible to risk than electricity from a central supply.

Sustainable and future-proof conversion

The TECTON track remains the same throughout. This makes the conversion particularly sustainable. And future-proof too: Because with TECTON DC, the illuminated sections are potentially extendible - and can be continued over a distance of more than 50 metres. An option that's of particular interest for large-scale industrial plants.

DC logo ensures visibility

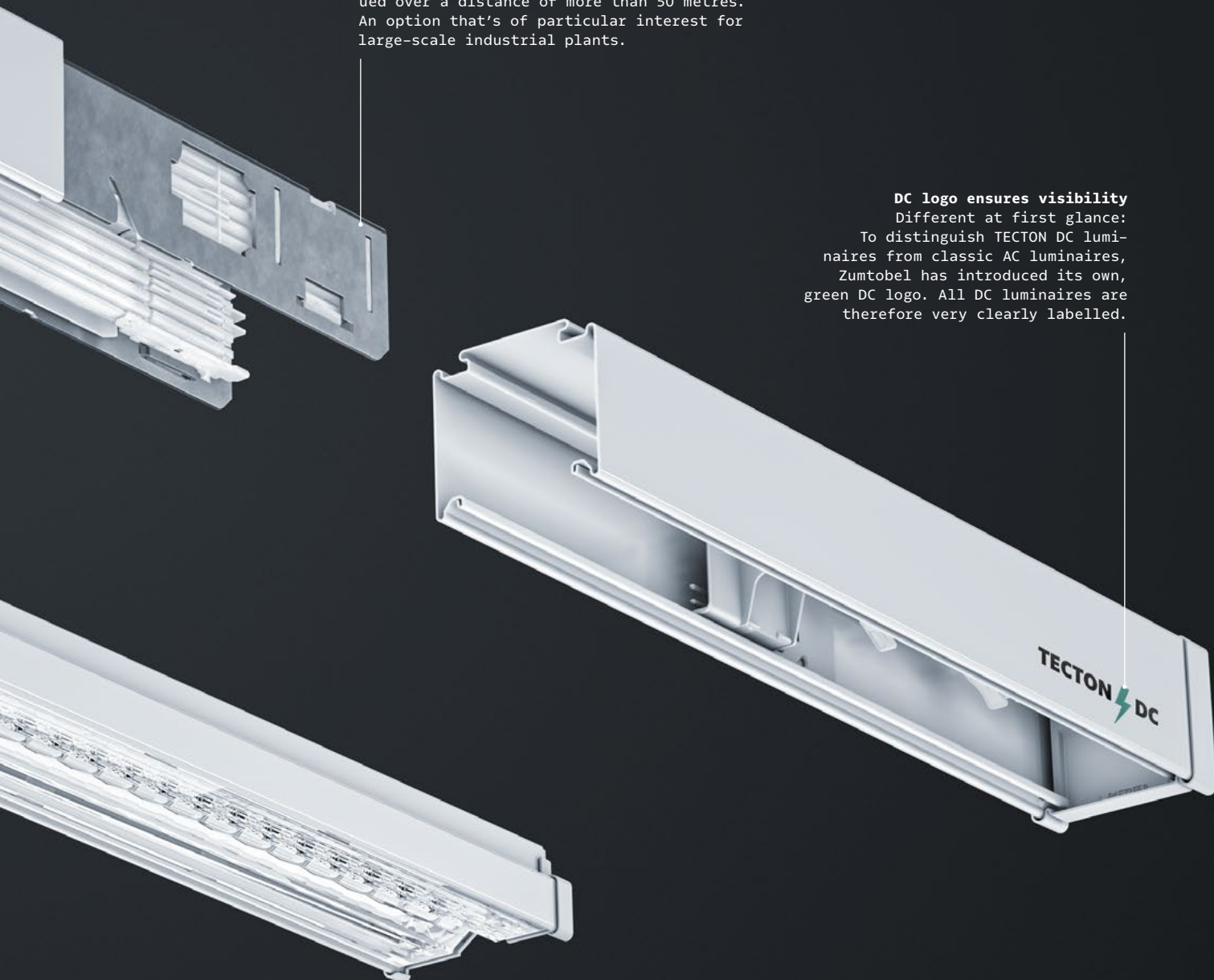
Different at first glance: To distinguish TECTON DC luminaires from classic AC luminaires, Zumtobel has introduced its own, green DC logo. All DC luminaires are therefore very clearly labelled.

DC-compatible driver for 650 volts








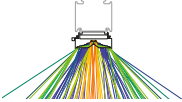
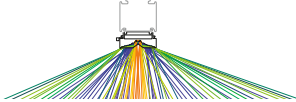


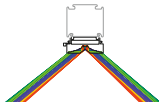




The most important change when converting from an AC luminaire to a DC luminaire: The TECTON ballast is replaced with a DC-compatible driver. This can process the nominal input voltage of 650 volts directly and without loss.

Bridging power failures

Even in the event of power failures (blackouts) or voltage drops (brownouts) in the grid, TECTON DC provides a continuous light supply for critical applications. The requirement is that the system is equipped with a battery buffer - or that sufficient energy is available directly.



TECTON DC

SUSPENSION			
	Ceiling	Chain	Cord
TRUNKING			
	Electric feed	Trunking	Individual trunking
CONTINUOUS-ROW LUMINAIRE			
	TECTON DC		
LIGHT DISTRIBUTION			
	Wide Beam	Very Wide Beam	Narrow Beam
			
	Shelf Beam	Wide Shelf Beam	Wallwasher
ACCESSORIES			
	Glare Control mounting optics	Strain relief	Plastic cover