

ARJIA SMART  
LIGHTING  
SOLUTIONS

77%

DHL  
PANATTONI PARK CHEB, CZ  
**INDUSTRIAL LIGHTING**

**REFERENCE**



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**77%**

ELECTRICITY SAVINGS:  
**3,009,396 kWh**

	Original project with T5 fluorescent lamps	ARGIA lighting solution
Type of luminaire	Continuous-row system IP20 T5 2x80 W Industrial luminaires IP65 T5 2x49 W Office luminaires T5 4x14 W, downlight 2x26 W Emergency LED luminaires	<b>ZUMTOBEL TECTON SYSTEM and TECTON CRAFT THORN AQUAFORCE II LED THORN BETA and CETUS LED ZUMTOBEL RESCLITE and ONLITE</b>
Number of luminaires	3,357 units [2,594 units in storage halls 276 units in offices 487 units of emergency lighting]	<b>2,132 units</b> [1,369 units in storage halls 276 units in offices 487 units of emergency lighting]
Total Input	457.36 kW	<b>128.22 kW</b>
Consumption kWh/year	3,904,701 kWh	<b>895,305 kWh</b>
Project result	<b>Customer's total operation costs have been reduced by 77% thanks to LED luminaires and DALI control system with presence and daylight sensors.</b>	
Return on investment	<b>2 years</b>	

For the Accolade investor, we supplied and installed artificial and emergency lighting of another two warehouse halls and offices in Panattoni Park Cheb. Continuous-row system ZUMTOBEL TECTON includes luminaires ZUMTOBEL TECTON LED and ZUMTOBEL TECTON CRAFT with high protection IP65, luminaires with emergency module and battery pack and emergency luminaires of Central Battery System (CBS).

Lighting system is controlled by the DALI system with presence and daylight sensors. LED lights combined with the DALI control system have provided significant savings up to 77%, comfort control of the lighting system and management simplicity of the emergency lighting system. Recessed LED luminaires have been installed in offices to meet requirements of high illumination level and glare reduction. Both buildings are leased by DHL.

