



RAILWAY LIGHTING SOLUTIONS



simply
illuminating



GUARANTEE



LUNIX guarantees 10 years of light!

We don't just want to make promises about the quality of our products, we also want to prove it to you. Therefore, LUNIX is providing the one-year statutory warranty plus a further 9-year manufacturer's guarantee on all of its products.

Customer service comes first.

So LUNIX takes care of exchange or repair at its own cost in the case of a complaint. Quick and easy.

That's unique. That's the 10 year LUNIX lighting guarantee.

#thebrightsideoflife





Bright Prospects for Railways

The requirements on luminaires used in the vicinity of railway platforms provides manufacturers with a special challenge. These are highly sensitive areas with special demands on luminosity and uniformity as well as ensuring that glare for drivers and passengers alike is reduced.

LINUX has used its position of being a long-standing supplier to German Railways (DB) to realise cost savings by reducing the energy used by the current product portfolio of LED luminaires and constantly addresses the challenge of providing high quality light with uniformity and as little glare as possible.

We offer our customers reliable and future-oriented lighting solutions using proven and robust components as well as retro-fit concepts that keep up with the rapid developments of LED-technology.

Optical system
Rated luminous flux / rated power
Installation height
Listed at Deutsche Bahn
Areas of application:
Railway platform with roofing
Railway platform/open-air platform
Level crossing
Areas of railway track
Pedestrian underpass
Underground passenger transport systems

Platform Lighting

Pole-top luminaires for use on platforms have been developed on the basis of requirements on LED luminaires of German Railways (DB Station&Service). All luminaires are listed with German Railways (DB) and therewith fulfil the requirements of- and can be used in projects based on DB specifications.



Ellipse 131 DB

Trapez 143 DB

Trapez 144 DB

Quantus 191 DB

	Ellipse 131 DB	Trapez 143 DB	Trapez 144 DB	Quantus 191 DB
Mounting type	Mast attachment / mast attachment (Ø 76 mm)			
Orientation possibilities	2° to 14° (in 3°steps)	Basic inclination of 3°		Basic inclination 0°
Dimensions (length, width, depth)	860 x 340 x 180 mm	1.420 x 330 x 270 mm		520 x 306 x 72 mm
Weight	approx. 11,5 kg	16 kg	8,5 kg	ca. 8 kg
Area exposed to wind	0,15 m ²	0,22 m ²	0,12 m ²	0,19 m ²
IP Protection class	IP66	IP65		
Light source type	LED modules with high-power LEDs			LED light engine with mid-power LEDs
Optical system	Asymmetric wide beam light distribution			
Rated luminous flux	2.400 – 7.200 lm	2x 1.200 – 2x 5.000 lm	2.400 – 7.200 lm	2.300 / 3.500 / 5.000 / 7.000 lm
Protection class	SK II			
Installation height	6 – 8 m			
Certificate				



Switch Gear

Our pole-top luminaires using conventional lighting technology are still listed with German Railways (DB). These luminaires fulfil current requirements of energy efficiency class A2 thanks to new switch gear.

Available for the following models:

Ellipse 130 DB

Ellipse 131 DB

Trapez 143 DB

Trapez 144 DB





Retro-fit

Most clients wish for a noticeable improvement in their lighting rather than just a change for the sake of it, and this is what they get from LUNUX. The most important criteria are balanced lighting, system efficiency and ease of use. In addition to that our production facilities in Laatzen offer the possibility to realise (almost) any individual custom solution exclusively upon request.

The advantages at a glance:

- update to the newest LED technology
- economic conversion
- sustainable cost savings
- preservation of original case
- LUNUX works guarantee and warranty
- simple exchange
- reduction of power costs by up to 75% compared to precise direction of light
- optimal lighting of areas to be illuminated





Conversion Kits

Our conversion kits are listed with German Railways (DB), which allows them to be used in any projects using DB specification.

			
	Ellipse 131 DB	Trapez 143 DB	Trapez 144 DB
CONVERSION-KIT, conventional	50 W NAV 70 W NAV		50 W NAV (60 W) 70 W NAV (80 W)
LED CONVERSION-KIT		10 W / 20 W / 30 W / 42 W / 60 W	










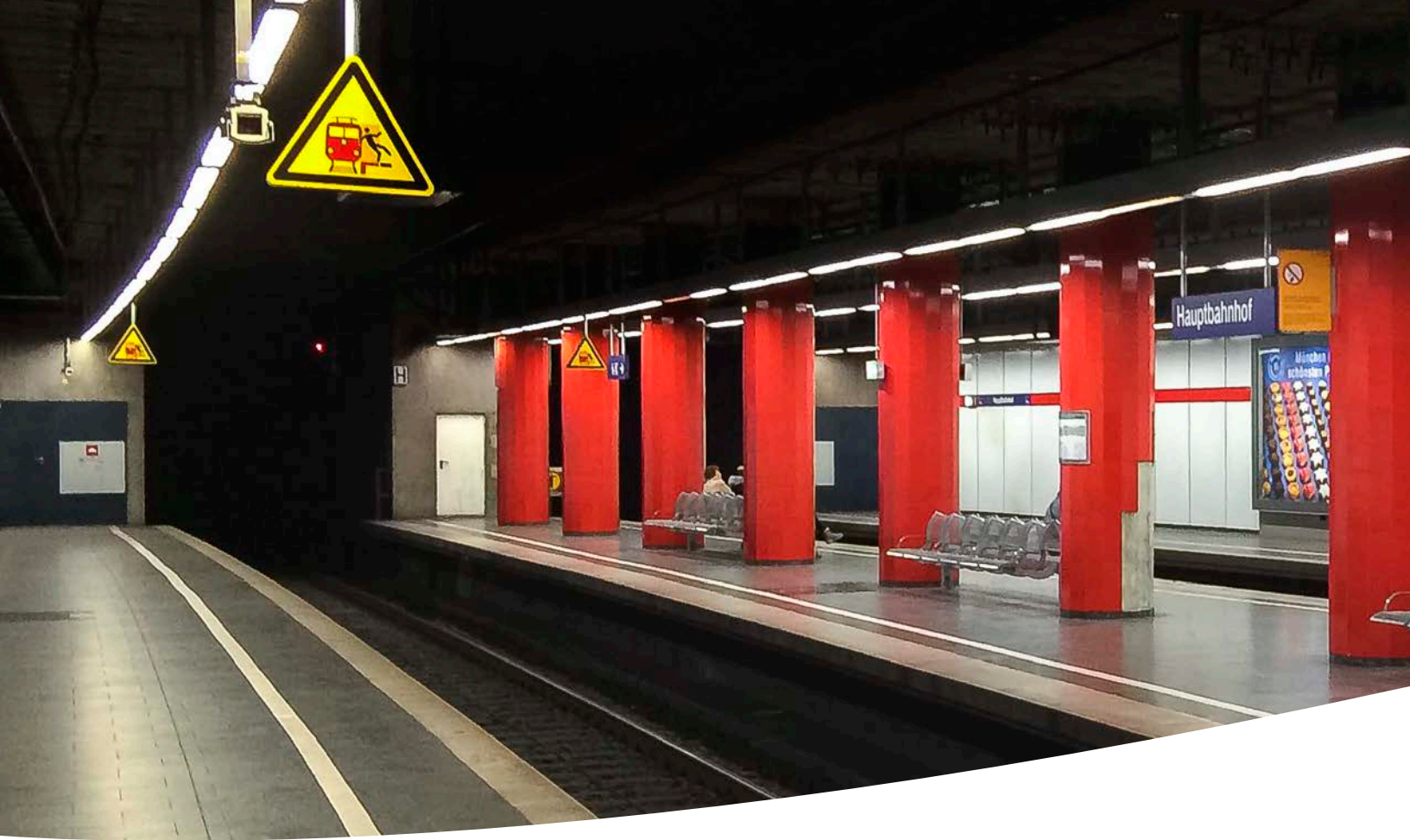
Track field

Our range of track field lighting has recently seen the addition of LED pole-top luminaires and suspended catenary luminaires, which are also listed with German Railways (DB). In addition our level-crossing and trackfield luminaires using conventional technology and new switch gear upto 150 W continue to be available.

			
	Quantus DB LED 192	Quantus DB LED 192-1	Quantus 195 catenary luminaire
Mounting type	Side-mounted attachment (Ø 76 mm)		Wire suspension
Orientation possibilities	Basic inclination 0°		
Dimensions (length x width x height)	610 x 306 x 72 mm	1.010 x 306 x 72 mm	1.200 x 306 x 72 mm
Weight	ca. 9 kg	ca. 11,5 kg	ca. 9,5 kg
Maximum area exposed to wind	0,19 m ²	0,31 m ²	0,37 m ²
IP Protection class	IP65		
Light source type	LED light engine with mid-power LEDs		
Optical system	Asymmetric wide beam light distribution		
Rated luminous flux	9.775 / 11.000 lm	6.900 / 11.000 / 12.600 / 13.650 / 15.750 lm	2.700 lm (divided in 2 cassettes each 1.350 lm)
Protection class	SK II / SK III (driver in the post)		SK II
Installation height	12 – 14 m		4 – 6 m
Certificate	 		




					
	Blockformlighting DB 171	Blockformlighting DB 173	Blockformlighting DB 181	Blockformlighting DB 183	162-5 DB
Mounting type	Mast attachment (Ø 76 oder 60 mm), Mast attachment (Ø 42 x 100 mm)	Top-mounted (Ø 76 mm)			Side-mounting (Ø 76 oder Ø 60), Top-mounting (60 x 100 mm or 42 x 100 mm)
Orientation possibilities	6° Basic inclination	0° Basic inclination	6° Basic inclination	0° Basic inclination	5° Basic inclination (in 3°- steps to 14° adjustable)
Dimensions (length x width x height)	570 x 275 x 150 mm	1.080 x 275 x 150 mm	675 x 345 x 200 mm	1.320 x 345 x 200 mm	600 x 330 x 180 mm
Weight	ca. 8,5 kg	ca. 14 kg	ca. 12,5 kg	ca. 22,5 kg	ca. 13 – 15 kg
Maximum area exposed to wind	0,11 m ²	0,22 m ²	0,196 m ²	0,264 m ²	0,1 m ²
IP Protection class	IP54				IP65
Light source type	HS- or HI light source				HST-DE
Optical system	wide beam or asymmetrical beam light distribution				right- or left beam
Rated power	50 W / 70 W / 100 W	2 x 50 W / 2 x 70 W / 2 x 100 W	100 W / 150 W / 250 W	2 x 100 W / 2 x 150 W / 2 x 250 W	70 W / 150 W / 250 W
Protection class	SK II				
Installation height	5 – 6 m	6 – 12 m	8 – 14 m	6 – 14 m	8 – 10 m
Certificate	 				-



Lighting System 5010

Our popular 5010 system is now also available with LED technology. Certified as security lighting an additional option with a lower luminous output is also possible. Conversion of existing 5010 systems using conventional technology and luminaires using T-5 fluorescent tubes is possible.



	5010 – High design	5010 – Flat design	LED 5010 – High design	LED 5010 – High design
Mounting type	Suspension with T-slot		Suspension with T-slot	
Dimensions (length x width x height)	1.500 x 125 x 250 mm	1.500 x 125 x 140 mm	1.500 x 125 x 250 mm	1.500 x 125 x 140 mm
Weight	15 kg/lfm	12 kg/lfm	15 kg/lfm	12 kg/lfm
Maximum area exposed to wind	0,25 m ² /lfm	0,14 m ² /lfm	0,25 m ² /lfm	0,14 m ² /lfm
IP Protection class	IP54			
Light source type	Provided for fluorescent light T5		LED	
Optical system	Symmetrical or asymmetrical light distribution		Symmetrical or asymmetrical light distribution	
Rated power	3.070 / 4.300 lm	3.070 / 4.300 lm	3.250 – 6.000 lm	3.250 – 6.000 lm
Protection class	SK II			
Installation height	3 – 4 m			
Certificate	CE		CE 	



Media Channels 50X

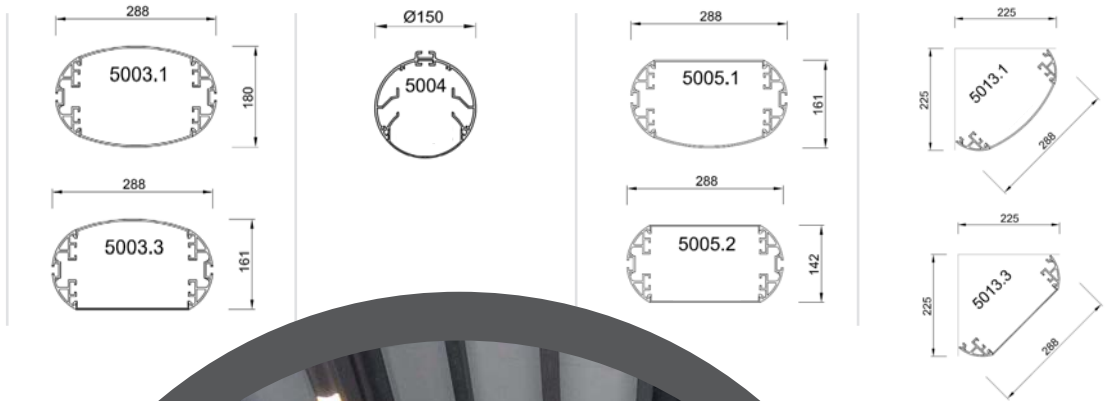
In times of LED lighting technology our proven Media Channel System 50X continues to serve as a reliable carrier for lighting, loudspeakers and cables under platform canopies, pedestrian underpasses and other passageways. The carrier section can be attached in numerous ways including to pendulum rods, on suspended wires, by direct connection and even to Y-shaped poles.





5003 **5004** **5005** **5013**

System-bound media channel system for the illumination of covered platforms, halls, underpasses, entrances, ramps, and stairs			... underpasses, connecting passages and tunnel systems
Light source	Can be equipped with commercially available moisture-proof luminaires, object-specific or based on individual requirements			
Material	Body made of extruded aluminum profile			
Design	Oval	Round	Oval	Corner profile
Overall length	modular, up to a max. of 6 meters per segment			
Cable and line supports	Continuously integrated			
Color	according to RAL- or DB specification			
Mounting	Easy to assemble thanks to the integrated T-slot for various suspended or other mounting options			Wall and ceiling with mounting bracket
Possibility to install...	... Camera systems and low-profile loudspeaker systems with hole group			
Other	-			Particularly suitable for low ceilings.



 LUNUX