



LUNUX LIGHTING RAILWAY LIGHTING SOLUTIONS



Commune



Industry



Railroad



BRIGHT FUTURE FOR RAIL TRAFFIC

Using lights in areas close to the tracks presents special challenges for us as a lighting manufacturer. Both the generally required brightness and uniformity, as well as the glare for train drivers and passengers, are a challenge with current products for railway applications that we take on. LUNIX LIGHTING, as a long-time supplier for the railway with its current product portfolio, uses LED technology to help customers save energy and takes on the task of delivering high-quality, even, and as glare-free as possible light. With durable and robust components, as well as retrofit concepts that keep pace with the rapid development in LED technology, we offer our customers reliable and future-oriented lighting solutions.

				
	Ellipse LED DB	Trapez LED DB 14X	50XX	5010 LED
Optical system	wide	wide		symmetrical asymmetrical
Rated luminous flux	1.200 lm - 9.400 lm	1 x 1.200 lm - 1 x 9.400 lm 2 x 1.200 lm - 2 x 9.400 lm		up to 5.000 lm
Installation height	6 - 8 m	6 - 8 m	-	3 - 4 m
listed at Deutsche Bahn	Yes	Yes	Yes	Yes
Application areas:				
Platform, covered			●	●
Platform / open-air platform	●	●		
Railroad crossing				
Rail yard				
Pedestrian underpass			●	●
Underground passenger transport systems			●	●



PLATFORM LIGHTS

The mast lights for use on platforms have been developed based on the current requirements for LED lights from DB Station&Service. All lights are listed in the light selection list and are therefore approved for use in the platform area.

			
	Trapez 143 DB	Trapez 144 DB	ELLIPSE 131 DB
Mounting type	side-mounted luminaires Ø 60 mm) / top-mounted luminaires(Ø 76 mm)		
Orientation possibilities	2° basic inclination	2° basic inclination	2° - 14° (in 3° increments)
Dimentions (lenght, width, depth)	1.420 x 330 x 270 mm	870 x 330 x 270 mm	860 x 340 x 180 mm
Weight	16 kg	8,5 kg	11,5 kg
Aerea exposed to wind	0,22 m²	0,12 m²	0,2 M²
IP Protection class	IP65		IP66
Optical system	Variant BS: wide-beam light distribution for especially wide central platforms and 8 m light point height. Variant RBS: For outer and normally wide central platforms		
Rated luminous flux	2 x 1.200 lm - 2 x 9.400 lm	1.200 lm - 9.400 lm	2.000 lm - 9.400 lm
Protection class	SKII		
Installation height	6 - 8 m		
Certifikate			
Deutsche Bahn - List sheet number	B 04.10.051 B 04.10.07	B 04.10.046 B 04.10.072	B 04.10.044 B 04.10.071

TRACK FIELD

The introduction of the Lunux Lighting Stateline takes the lighting of track fields to a new level. As the direct successor to the Quantus, the Stateline has been listed with DB InfraGO AG since early 2024.

	
	Stateline DB
Mounting type	60 or 76 mm spigot size for top-mounted luminaires 42 or 60 mm spigot size for side-mounted luminaires
Orientation possibilities	Tilt adjustable: 0° to +15° Tilt adjustable: -15° to 0°
Dimensions (length, width, depth)	815 x 350 x 130 mm
Weight	11,5 kg
Area exposed to wind	0,07 m²
IP Protection class	IP66
Optical system	Lens optics, integrally molded to the LED, made of optical silicone
Rated luminous flux	6.000 lm - 40 W; 8.000 lm - 53 W; 10.000 lm - 67 W; 12.500 lm - 108 W
Protection class	Protection class III
Installation height	8 - 14 m
Certificate	
Deutsche Bahn - List sheet number	1E14



PLATFORM LIGHTS

Our successful light tube system 5010 is available as an LED version. In addition to being certified as safety lighting, we have also created the option for a fixed reduction. This is intended to achieve uniform lighting even in more demanding building conditions.

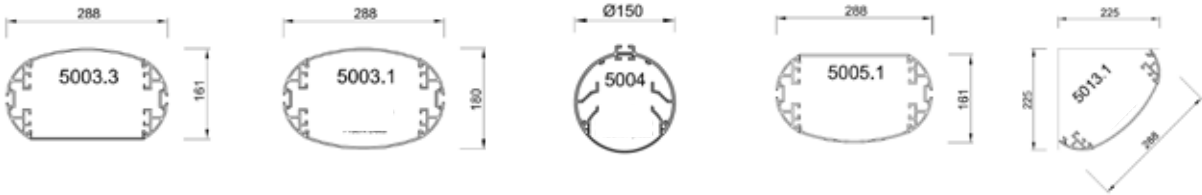
		
LIGHTING FIXTURES BODY	5010 HIGH DESIGN	5010 FLAT DESIGN
Material	Extruded aluminum profile	Extruded aluminum profile
Coloring (powder coating)	RAL 9006	RAL 9006
Mounting type	Suspension with T-slot	Suspension with T-slot
Dimensions (length x width x height)	1.500 x 125 x 250 mm	1.500 x 125 x 140 mm
Weight	15 kg/ lfm	12 kg/ lfm
Area exposed to wind	0,25 m²/ lfm	0,25 m²/ lfm
IP Protection class	IP54	IP54
Glass type	PC with prism structure	PC with prism structure
Shock resistance / impact resistance	IK10	IK10
PHOTOMETRIC PROPERTIES		
Light source type	LED	LED
Optical system	Symmetrical or asymmetrical light distribution	Symmetrical or asymmetrical light distribution
Rated luminous fl ux	3.250 – 6.000 lm	3.250 – 6.000 lm
ELECTRICAL PROPERTIES		
Protection class	Protection Class II	Protection Class II
Rated voltage / operating voltage	220 – 240 V	220 – 240 V
Frequency	50 / 60 Hz	50 / 60 Hz
INSTALLATION SUGGESTIONS		
Application areas	Platforms, underground passenger transport systems	Platforms, underground passenger transport systems
Installation height	3 – 4 m	3 – 4 m
Admitted ambient temperature (ta)	-25 °C to +35 °C	-25 °C to +35 °C
OTHER PROPERTIES		
Certifi cate		
OPTIONS		
Emergency light function	✓	✓



RAILWAY MEDIA CHANNELS 50X

Our proven media channel systems from the 50X family continue to serve as a reliable support unit for lights, speakers, and wiring on covered platforms, pedestrian underpasses, and covered walkways, even in the age of LED. You can flexibly use rod suspensions, cable hangings, direct fixings, or even Y-masts to attach the support profile.

				
	5003	5004	5005	5013
DESCRIPTION				
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.
CROSS-SECTION AND VARIANTS				





LIGHTS FOR THE LOW TRACK CHANNEL

The nGgB fulfilled the high standards for standardized low track aisle lighting of DB InfraGO AG. The optimized design of the sturdy aluminum die-cast housing minimizes standing water on the light.

LIGHTING FIXTURES BODY	
Material	Aluminum die-casting
Coloring (powder coating)	DB703
Mounting type	Prepared for assembly with toggle clamps
Dimensions (length, width, depth)	472 x 172 x 45 mm
Weight	1,6 kg
IP Protection class	IP65
LIGHT SOURCE	
Light source type	56 Mid-Power-LEDs
Optical system	Track lane light distribution
beam angle	Asymmetrically rectangular 90°
Rated luminous flux	800 lm
ELECTRICAL PROPERTIES	
Protection class	Protection class III
Operating voltage	24 VDC (SELV) Constant voltage
INSTALLATION SUGGESTIONS	
Installation height	4 m
Admitted ambient temperature (ta)	-25 °C to +45 °C
OTHER PROPERTIES	
Certificate	 
Deutsche Bahn - List sheet number	Listing process started at DB

LIGHTS FOR TRAIN STATION HALLS

For lighting platform halls, Lunux Lighting offers the IL-UP, a listed product tailored exactly to these requirements with pigeon deterrent.

LIGHTING FIXTURES BODY	
Material	Aluminum die casting
Coloring (powder coating)	RAL 9005 / RAL 9006
Mounting type	adjustable holder, cable suspension, single-point suspension
Dimensions (length, width, depth)	476 x 403 x 117 mm
Weight	8,2 kg
IP Protection class	IP65
LIGHT SOURCE	
Light source type	Mid-Power-LEDs
Optical system	Wide-angle and deep light distribution
Orientation possibilities	86° (W-Optics), 54° (N-Optics)
Rated luminous flux	8.000 – 24.000 lm
Dimming (Power control)	DALI / DALI CLO
Temperature management	✓
Constant Light Output (CLO)	✓
ELECTRICAL PROPERTIES	
Protection class	Protection class II
Operating voltage	220 – 240 V
Frequency	50 / 60 Hz
INSTALLATION SUGGESTIONS	
Installation height	6 – 30 m
Admitted ambient temperature (ta)	-30 °C to +45 °C
OTHER PROPERTIES	
Certificate	 
Deutsche Bahn - List sheet number	B 04.40.008



DEUTSCHE BAHN CONVERSIONKITS

It's not about change at any cost, but a noticeable improvement in the current lighting situation that customers want and can achieve with us quite reliably. The most important factors are well-coordinated lighting, the efficiency of the lighting system, and ease of use. In addition, with our custom lighting manufacturing, we offer the possibility to create almost any special solution exclusively for you.

The result: a simple and cost-effective upgrade to the latest LED technology. And the train can come.

Your benefits:

- Upgrade to the latest LED technology
- Cost-effective switch
- Long-term sustainable cost savings
- Retention of the housing
- Easy replacement
- Reduce electricity costs by up to 75% compared to old technologies
- Precise light control
- Optimal illumination of the areas to be lit

CONVERSION KITS FOR TRAPEZ AND ELLIPSE



Optical system	Variant BS: wide-beam light distribution for especially wide central platforms and 8 m light point height. Variant RBS: For outer and normally wide central platforms		
Rated luminous flux	2 x 1.200 lm - 2 x 9.400 lm	1.200 lm - 9.400 lm	2.000 lm - 9.400 lm
Protection class	Protection class II		
Installation height	6 - 8 m		
Certifikate			
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