

PRESS INFORMATION

CARPO DB from NORKA: A new LED pole luminaire for platforms and transport applications

Economical, robust and efficient – with application-specific light distribution

With robust luminaires, flexibility and customer focus, NORKA positions itself as a competent lighting partner for railway facilities and transport projects. And this is not a recent development: NORKA luminaires were first approved for use by Deutsche Bahn in 1953. Now, with CARPO DB, a pole luminaire optimised for platforms, the manufacturer's extensive rail-specific range is rounded off.

The bar is set high: only luminaires that meet comprehensive technical test criteria make it onto Deutsche Bahn AG's luminaire selection lists. Specialist planners use these lists as a guide not only for DB projects, but also for other transport companies, for example in local urban transport. Building on more than six decades of close cooperation, NORKA offers a particularly extensive range of such luminaires. This means that almost any lighting task in railway facilities can be fulfilled – whether on platforms, in station halls, in underpasses, tunnels or operating facilities. With CARPO DB, NORKA is now closing a gap in this range and presenting a modern LED pole luminaire that is optimised for use on platforms.

Tailor-made for use on railway platforms

Uniform, pleasant light for passengers waiting and minimal glare for vehicle operators – that's what matters when it comes to lighting railway platforms and stops. The core component of CARPO DB pole luminaires is therefore the special LED lens optic, protected by a clear safety glass cover (IK 08 ESG). Its light distribution is optimised for use on uncovered platforms and naturally complies with the relevant standards. With targeted light guidance, it reduces glare for vehicle operators and at the same time the risk of accidents for passengers. As a contribution to environmental and insect protection, the optics of the CARPO DB also prevent light spill into the sky thanks to its full-cut-off design and horizontal light emission surface. The light is therefore directed with high precision exclusively to where it is needed.

The new CARPO DB also convinces in terms of operational reliability, durability and low maintenance. Its clear and modern housing is made of die-cast aluminium and powder-coated in DB703 (iron mica grey). It reliably protects the internal technology against environmental influences such as moisture, temperature variations or mechanical stress: with protection class IP 66, protection class II and impact resistance class IK 08, the luminaire can withstand even heavy challenges. The luminaire is equipped with state-of-the-art LED modules in neutral white (4000 K). LED technology not only significantly reduces power consumption, but also maintenance cycles during operation – and thanks to the NORKA 'easy eXchange' principle, LEDs and driver can be easily replaced with suitable replacement kits at the end of their service life. The robust housing remains intact, further contributing to sustainability.

PRESS INFORMATION

Simple and secure installation

The manufacturer offers the CARPO DB in two housing sizes: Size 'm1' provides up to 2920 lm luminous flux at 23 W, size 'm2' up to 4850 lm at 36 W. A cover is available as an optional accessory to ward off pigeons and protect against snow and ice deposits. The integrated DALI driver enables integration into intelligent lighting control systems, while the 10 kV transient filter protects the luminaires from voltage spikes. NORKA has placed particular emphasis on simple and safe installation. Thanks to the plug-in 90° adapter, the CARPO DB can be installed on standardised poles as well as on wall brackets. Connections and fastenings are designed to enable quick commissioning even when installation time is limited, as is often the case in railway operations.

It goes without saying that the new luminaire complies with all electrical engineering requirements and specifications customary in the railway sector and is listed in the pole luminaire group of the DB InfraGo luminaire selection list. In addition to use on railway platforms, the CARPO DB is also suitable for adjacent traffic areas such as access routes, forecourts and parking areas. Its robust construction makes it ideal for permanent outdoor use in heavily frequented public areas. Whether for new construction or modernisation, the CARPO DB can be seamlessly integrated into existing infrastructure and supports future-oriented lighting concepts in the transport sector.

NORKA – Light perfected.

The family-owned company NORKA, founded in 1948 and based in Hamburg and Dörverden-Hülsen, specialises in technically sophisticated lighting solutions tailored to very special ambient conditions. The main application areas for NORKA luminaires include industrial and production workshops, train platforms and transport buildings, workshops, multi-storey car parks, facades, port facilities and work pits, as well as washing systems, swimming pools, logistics centres and cold stores. With its area of business VERNØ for traffic and tunnel lighting, NORKA also offers a broad product portfolio for improving traffic safety. This range includes luminaires for entrance and passage lighting in tunnels, as well as solutions for traffic guidance and the indication of escape routes. NORKA products provide maximum investment security thanks to their long service life, high availability and energy efficiency.

March 2026 / Reprint free of charge / File copy requested / Further information:

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01 CARPO DB was designed to meet the high demands of railways and public transport and is already providing uniform illumination of the platforms at Neubeckum station. Pic.: NORKA/Frieder Blickle



02 The light distribution of the CARPO DB pole luminaire is optimised for use on uncovered platforms and naturally complies with the relevant standards. Pic.: NORKA/Frieder Blickle



03 As a contribution to environmental and insect protection, the optics of the CARPO DB also prevent light spill into the sky thanks to its full-cut-off design and horizontal light emission surface. Pic.: NORKA/Frieder Blickle



04 As an LED pole luminaire for traffic areas, CARPO DB combines state-of-the-art technology with sustainable design. Pic.: NORKA/Frieder Blickle



05 Thanks to the plug-in 90° adapter, the CARPO DB can be installed on standardised poles as well as on wall brackets. Pic.: NORKA



06, 07 CARPO DB is offered in two housing sizes: Size 'm1' (pic. 06) provides up to 2920 lm luminous flux at 23 W, size 'm2' up to 4850 lm at 36 W (pic. 07). Pic.: NORKA