

LDR Rolltechnik GmbH & Co. KG

Hainberg 34 94424 Arnstorf Germany
T +49 8723 97964-0 F +49 8723 97964-11
info@ldr-rolltechnik.de www.ldr-rolltechnik.de

Shining precision

LDR lighting systems: aluminium profile cast LEDs - individually manufactured, glare-free and permanently bright.



LED-technology: LDR light strips shine all along the line - lighting systems produced and developed in-house for consistent, glare-free illumination.



LED lighting systems:

LDR presents selected lighting products with modern LED technology. The light bars are designed to provide emergency services with optimal, glare-free lighting, for usage inside and outside the vehicle.

Features like the robust and fully cast design, compact dimensions, custom manufacturing and easy installation also qualify these lights for other demanding disciplines.



LDR installs only modern electronic components from leading manufacturers. The good heat dissipation ensures electronics to operate far below critical limits.

The fully cast, design, which surrounds and protects all the electronics, ensures long-lasting virtually indestructible lights for harsh environments. Each LDR LED light is tested for at least 12 hours. Guaranteed.

Interior lighting strips:

The LDR approach for the optimum, consistent illumination of the most rugged equipment rooms is an elongated light bar available in graded standard lengths with an extremely compact cross section of 18 x 11 mm, universal holders and an angular adjustment facility. Best results are reached when the rear mounting on the lateral roller shutters guide rails is diagonally inclined to the interior.



Exterior lighting strips:

For the lighting of outdoor areas, the use of long, continuous light strips with moderate light output rather than selective, very strong light sources is necessary. This prevents a glare effect and results in a homogeneous illumination of the surrounding area from the vehicle contour. The LDR technology enables the customised production of light strips of up to an overall length of 5300 mm. The exterior lighting strips are very easy to install construction lights with a depth of only 22 mm and can become an integral part of the aluminium shutters by replacing the conventional rain strip.



LED: Handle with LED technology

Handles in vehicles, particularly in public transport, ensure a safe grip while travelling or when entering or exiting a vehicle. Crew cabins of fire fighting vehicles are also fitted with multiple grab bars in the door areas and on the headliner.

In the event of an emergency, the team needs to set off rapidly and often prepare in a confined space, the driver, however, should not be unnecessarily blinded by light. To meet these conflicting demands, emergency crew cabins in current vehicles have a red or green light when in motion. When stationary, the cabin is illuminated with white light.

The LDR handle has integrated lighting that can be switched from white to coloured light. The round handle can be rotated, so that you can switch between direct and indirect light depending on your requirements. Its 30-mm diameter allows the use of commercially available brackets and fittings.

As standard, the handle is produced in zinc yellow (RAL 1018), alternatively, other colours or an anodised surface are possible. The handles are manufactured according to your specific wishes (length, light colour) within 2-3 weeks.



Glare-free: white, green or red lighting in the handle.

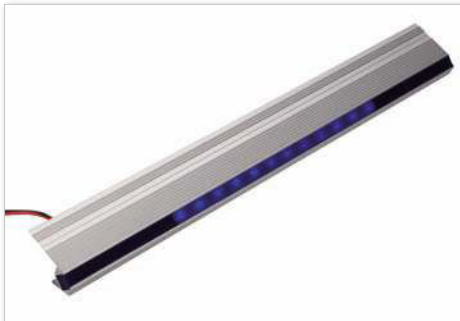
Other possibilities with respect to the handle's application are, for example, public transport and commercial vehicles, use as an LED handrail in the architectural field, as an LED clothes rail, as LED roof railing, as an LED machine handle as well as in combination with a 30-mm tube system in the equipment manufacturing industry. It is also conceivable to use the handle as a red-green status signal on machines or an external fill level indicator on tanker vehicles.

LED: Step profile with LED contour marking

Steps are an everyday tripping hazard and carry a high risk of accidents. Stairway areas on vehicles such as buses or emergency vehicles are illuminated to avoid the risk of tripping. An elegant option is the LDR staircase profile with integrated LED contour marking. When it is dark the product ensures proper visual recognisability of the step's edge because of the light, while during the day it provides a better contrast, thereby improving safety. In addition, the profile has a non-slip surface due to the grooved material on top. Its anodised surface and abrasion-resistant polyurethane grouting make the profile suitable for heavy mechanical stress. The sensitive LED technology remains durably protected against mechanical stress and moisture.

As standard, the profile comes with blue LED contour markings; other colours are available on request. The profiles are manufactured according to customer-specific lengths within the usual 2-3 weeks. By shortening the lateral overhang of the profile's edge, it is possible to accurately adapt the profile to each specific situation during installation. The profile is secured using countersunk screws, and it can be glued. On the back a cable duct offers sufficient flexibility for laying the cabling.

Our products are typically used for access stairs to crew cabins in fire engines. The product is also suitable for folding steps in fire engines, steps in public transport and for trade fairs and industrial buildings.



Blue-lit staircase edges reduce the risk of tripping

