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Transilluminated Traffic Sign

SIII SQUARE TRAFFIC SIGN

Illuminated traffic signs of the future



Introduction

The main use of transilluminated traffic signs is for fixed, vertical road traffic signs on public and private roads.

By using new technologies, signs are improved to the highest level of road traffic signalization.

The benefits of the three new technologies used in the product are expressed in excellent visibility and recognition of the pictorial sign, high durability and long lifetime.

SIII transilluminated traffic signs incorporate light-emitting diodes (LEDs).

The exceptional uniformity of the luminance is achieved by applying edge-lit technology.

The sign face material is a micro-prismatic translucent retroreflective sheet of classes R3A and R3B.

The product complies with applicable European standard EN 12899-1:2007.

Advantages

Safety Excellent visual performance and contrast of sign messages.

Savings Low energy consumption and long lifetime.

Strength Mechanically robust and chemically resistant construction.

Construction

The SIII transilluminated traffic sign consists of a front plate, an aluminium back plate and an electric enclosure at the back.

The front plate is made of 3mm-thick polycarbonate and coated with a retroreflective sheet with printed pictogram.

The tough polycarbonate ensures the high mechanical strength of the sign.

The visibility of the pictorial sign is improved by the retroreflective sheet 3M DG3 4090T (ETA 07/0272).

Brighter

Safer

Cost-effective

Eco-friendly

IlumiPan®
Made in Light



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The back plate of bent aluminum sheet ensures reliable transfer of all static and dynamic loads to the fixing and mounting structures, reinforces rigidity and is light-weight.

Signs can be fixed to any pole dimension with standard clamps.

The power cable passes through the cable gland in the polycarbonate electric enclosure and is connected to the terminal block on the mounting plate.

Feature Highlights

The advantages of SIII transilluminated traffic signs are long lifetime, low power consumption, robustness, and excellent visibility and contrast of the pictogram.

The sign's visibility at night is even greater than during the day, because of uniformity of luminance and great contrast against the dark background.

This contributes to road safety in low-visibility conditions with higher accident risk.

Existing non-uniformly illuminated traffic signs are hardly noticeable and hard to recognize, thus delaying the driver's reaction time.

The electronic driver on the mounting plate is easily replaceable at the installation location.

Physical Properties

Coefficient of retroreflectionR3A, R3B (ETA 07/0272)

Mean luminance:.....L2

Uniformity of luminance.....U3

Weight:.....7kg

Temperature range:.....-25°C to +50°C

IP code:.....IP65

Electrical Properties

Light source:.....LED – 12 x LUXEON Rebel

Rated supply voltage:.....220–240V, 50–60Hz

Power:.....15W

Mechanical Properties

Back plate:.....Aluminium – EN AW1050H14, EN 573-3

Front plate:.....Polycarbonate 3mm – Makrolon Bayer GP

Wind pressure:.....WL8

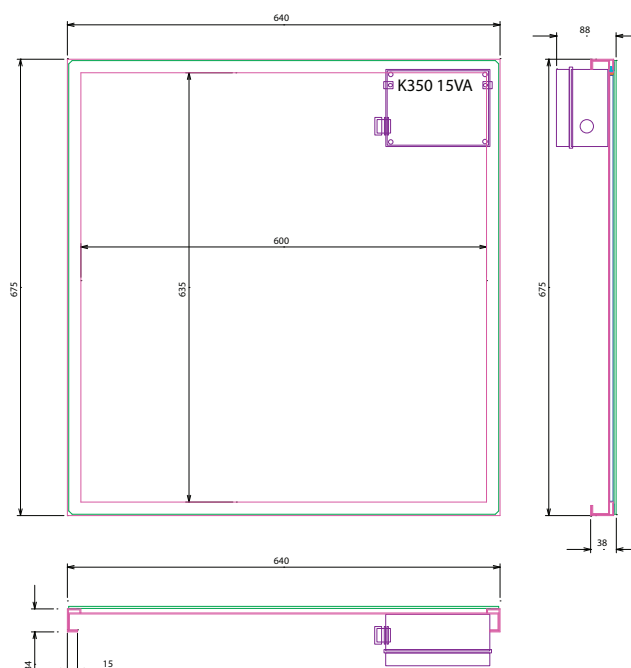
Dynamic snow pressure:.....DSL1

Dimensions:

Length.....640mm

Height.....675mm

Thickness.....34mm



We reserve the right to make changes and improvements to the product described in this document without prior notice.

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