Hella KGaA Hueck & Co. - Rixbecker Str. 75
59552 Lippstadt / Germany
Ph: +49 2941385919 - Fax: +49 294138475919 - www.hella.de

HELLA's response to the desire for an individual lighting concept

Words Jörg Nullmeyer

In the past the product function was always at the forefront, now an overall attractive design concept has become more important for motorhomes and caravans. Back then the wish for an attractive look only applied to the interior furnishings and fabrics, nowadays the exterior design plays an important role. The lighting design and the "brand face" of a car have always been a focal point in the styling departments of the automotive industry, a trend that is becoming increasingly important in the caravanning industry.
As an innovative leader and supplier of original automotive equipment such as the cutting edge LED light guide technology, HELLA has realized a new generation of rear lights for caravans and motorhomes. The Caraluna X rear light with its attractive design and distinct light guide angle generates an unmistakable night signature and a crisp appearance at the rear of any motorhome or caravan.
The clear design of the lens and the silver inset central area, with its frosted finish, create a captivating 3D effect. The Caraluna X can be mounted vertically (light guide on vehicle inner side), horizontally (light guide above or below) or at an angle of 13 degrees, as can be seen in the application examples. This wide variety of mounting options allows you to add an individual touch to vehicles.

For entry-level models, HELLA offers the Caraluna X with all lighting functions using electric bulb technology. The upgrade or hybrid versions feature a rear light in innovative LED light guide technology. The four LEDs are coupled with an optical fiber, this produces a uniform illumination that gives the vehicle a unique characteristic look with a high recognition value in the dark.
Even when used continuously the LED light function remains virtually free of wear. The LED light guide rear light is a universal solution for all series sizes. The name HELLA stands for cutting edge lighting technology guaranteeing greater safety in road traffic.

Key Figures

1899 - "Westfälische Metall - Industrie Aktien - Gesellschaft" (WMI) was founded, specialized in production of laterns and headlamps.
1908 - Hella trademark was created and the "System Hella" acytelene headlamp was developed.
1936 - WMI supplies headlamps for the very first Volkswagen prototype.
1957 - First type approval for headlamp with asymmetric light distribution.
1965 - The first fully electronic flasher.
1971 - HELLA is the first manufacturer to receive a type approval for H4 (halogen) headlamps.
1983 - First DE projection lamps.
1988 - HELLA launches free form reflector.
1992 - First-generation xenon headlamps from HELLA go into series production.
1999 - First bi-xenon headlamps go into series production, series launch of integrated rain sensor.
2003 - HELLA is the first company to produce cornering and dynamic bend lights in series.
2007 - The first front camera with traffic sign recognition.
2008 - HELLA develops the first full led headlamp for the Cadillac Escalade Premium.
2010 - First full led headlamp with AFS functions for Audi A8. Dynamic light assists.
2012 - First headlamp with led main beam function for the truck segment.
2013 - Tail and brake light realized with mirror tunnel technology for the first time. Matrix led technology makes its debut. Ambient lights: HELLA sets trends for interiors.

Contact:
Peter Wagner
Peter.Wagner@hella.com

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Company Profile

HELLA is a global, independent family-owned company with more than 30,000 employees at 100 locations in more than 35 countries. The HELLA Group develops and manufactures lighting and electronic components and systems for the automotive industry, and also has one of the largest trade organizations for automotive parts, accessories, diagnosis and services within Europe. In the Special Applications segment, HELLA also develops products for specialist vehicles and entirely independent applications, such as street lighting or industrial lighting systems. Complete vehicle modules, air-conditioning systems and vehicle electrical systems are produced in joint venture companies. With more than 5,800 people working in research and development, HELLA is one of the most important innovation drivers on the market. In addition, with sales of around 5.3 billion euros in fiscal year 2013/2014, the HELLA Group is one of the top 50 automotive parts suppliers in the world and one of the 100 largest German industrial companies.

TECHNICAL DATA

CARALUNA X: BULB VERSION

CONNECTORS
Tail-/brake light: 3 pin AMP connector
Turn signal, reverse light, fog tail light: 2-pin AMP connector
CURRENT CONSUMPTION
Rear light: 12 V/5 W, ca. 0,42 A
Break light, fog tail light, reversing light, turn signal: 12 V/21 W, ca. 1,75 A
SPECIFICATIONS
HELLA Norm 67101 class 3.2, operating temperature: -40° C to +50° C, fixing: 3 screws (ST 4,8 mm) in the front
AVAILABLE VERSIONS

vertical, left (light guide on vehicle inner side)	2VP 012 570-011
vertical, right (light guide on vehicle inner side)	2VP 012 570-021
horizontal, left (light guide at the top)	2VP 012 570-031
horizontal, right (light guide at the top)	2VP 012 570-041
horizontal, left (light guide at the bottom)	2VP 012 570-051
horizontal, right (light guide at the bottom)	2VP 012 570-061
13° horizontal, left (light guide at the bottom)	2VP 012 570-071
13° horizontal, right (light guide at the bottom)	2VP 012 570-081

CARALUNA X: HYBRID VERSION

CONNECTORS
All functions with 2-pin AMP connector
CURRENT CONSUMPTION
Rear light: 12 V/1,4 W, ca. 0,12 A
Break light, fog tail lamp, reversing light, turn signal: 12 V/21 W, ca. 1,75 A
SPECIFICATIONS
HELLA Norm 67101 Class 3.2, operating temperature: -40° C to +50° C, fixing: 3 screws (ST 4,8 mm) in the front
AVAILABLE VERSIONS

vertical, left (light guide on vehicle inner side)	2VP 012 570-111
vertical, right (light guide on vehicle inner side)	2VP 012 570-121
horizontal, left (light guide at the top)	2VP 012 570-131
horizontal, right (light guide at the top)	2VP 012 570-141
horizontal, left (light guide at the bottom)	2VP 012 570-151
horizontal, right (light guide at the bottom)	2VP 012 570-161
13° horizontal, left (light guide at the bottom)	2VP 012 570-171
13° horizontal, right (light guide at the bottom)	2VP 012 570-181