

NEWS RELEASE

May 26, 2016

Ichikoh Industries, Ltd.

Ichi-001

66th Automotive Engineering Award

Ichikoh Industries won Automotive Engineering Award 2016 for standardized LED light source module "MonoLED".

Ichikoh Industries, Ltd. (hereinafter "Ichikoh"), is a large auto components manufacturer situated in Isehara, Kanagawa, Japan (Headquarter), Representative Director and President: Ali Ordoobadi .

Ichikoh won the award of 66th Automotive Engineering Award ceremony held in PACIFICO Yokohama on May 26 for "MonoLED". This is the consecutive award after receiving the PACE Award 2016* (organized by North America Automotive News) on April 11. The innovative standardized LED light source module "MonoLED", is used for clearance lamps in Toyota Alphard, stop lamps and rear fog lamps in Toyota new Prius etc., and was highly valued for its low cost, low electricity consumption, compact size and highly standardized nature. The "MonoLED" is now prestigiously awarded in both Japan and U.S.

"Automotive Engineering Award" was established in 1951 in order to promote development of automotive engineering and automotive technology, and is given to those who made great contribution and achievements in the automotive technology.

Ichikoh will continue efforts to advance developments of automotive lamp and mirror technology the under the slogan "Vision in Motion" and contribute to a safe car society.

PACE Award is sponsored by Automotive News, Ernst & Young and Transportation Research Center Inc.to honor automotive related innovations developed in the year. PACE Award has more than 20 years' history since 1995 and is one of the most renowned and globally recognized awards in the industry.

MonoLED

MonoLED Unit

ソケット型標準LED光源ユニット

新世代光源LEDの汎用性を高める、オールインワン標準型LEDユニット。

すでにさまざまなライティングに活用されているLED光源。光の多様性とデザイン性を高めるとともに、汎用性までも広く展開したい。そう考えて開発されたのが MonoLED Unit。LED光源、LED駆動回路、放熱部品、光源ソケットをコンパクトに一体化した、オールインワン標準型LED光源ユニットです。LED光源と駆動回路をマウントするソケットには樹脂を採用。熱伝導率を高める特殊樹脂が、従来よりも放熱効果を高めています。また、基盤実装タイプと比較して光源が接近していることも、MonoLED Unitの特徴のひとつ。導光レンズやリフレクターなどの組合せて、発光デザインの多様性を実現しています。すでに市場では、TOYOTA アルファードのヘッドランプ内ポジションランプとして、世界で初めて採用されました。この事実こそ、私たちの研究開発に対する熱意と努力の証し。採用が決まっている新型プリウスのリア

コンビネーションランプを始め、今後はテール&ストップランプ用、リアフォグランプ用、ターン用など、さまざまな展開を予定しています。

※MonoLEDは、市光工業の商品呼称です。

An all-in-one standard LED light source that achieves high versatility

MonoLED* unit (socket-type standard LED light source unit)

This is a small standard LED light source unit that integrates an LED light source, an LED drive circuit, a heat dissipation component, and a light source socket at a low price. The unit uses a resin which conducts heat very efficiently and thus also plays a role in dissipating heat. Since MonoLED combines optical components such as light guiding lenses and reflectors, it enables the production of a variety of light-emitting designs. MonoLED has already been selected for use in 6 vehicle models, including use as the rear combination lamp in the new Prius.

* MonoLED is a product name of ICHIKO Industries, Ltd.



Vision in Motion

ICHIKOH

(Reference)

Since its establishment in 1903, as a manufacturer specialized in car lamps and mirrors, Ichikoh Industries, Ltd. has provided products to all auto manufactures in Japan, including Toyota and Nissan, and leading auto makers in overseas. In its long history, the company equipped the first-generation Datsun headlamp (Nissan) in 1932, and has actively developed its own products: the Japan's first projector headlamp, the world's first power mirror, the mercury-free HID headlamp and the LED which is attracting attention as the next generation light source. By these product developments, the company has today a large market share of headlamps 12%, rear lamps 22% and mirror 10% (2015 result).

Mr. Katsuaki Nakano (advanced development dept.) participated in the ceremony as a representative for developer of "MonoLED",.

Achievements

Rear view mirror and safety■author: Tatsuo Ushida(牛田 達雄)

Rear view equipment ■author: Yoshio Horii (堀井 佳勇)

Applied development of head light distribution evaluation program (CHESS of Ford)■author: Yutaka Nakata(中田 豊)

Development of mercury-free discharge head lamp■author: Fukuo Takada(高田 福夫), Noboru Matsubara(松原 昇)

Lighting technology and LED for auto lamp※Fog lamp development■author: Masatsugu Furukoori(古郡正嗣), Takao Doudo(百々孝男), Makoto Masuda(増田 誠)

Thermal countermeasure technology of LED lamp for cars■author: Kazushige Kikuchi(菊池 和重)

Glare-free high beam system■author: Olivier Barthomeuf, Shoichi Minokawa

< contact for inquires >

Inquiries from public

ICHIKOH INDUSTRIES, LTD
Corporate Planning Dept. Matsuda, Sakai
TEL : 0463-96-1442

Inquiries from media professionals

ICHIKOH INDUSTRIES, LTD
Public relations Kaneko
TEL : 080-6522-6840

Vision in Motion

ICHIKOH