

NEWS RELEASE

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Ichikoh Industries, Ltd.
Ichi-001

Ichikoh won its first PACE Award

Ichikoh Industries won PACE AWARD 2016 for "MonoLED"

Ichikoh Industries, Ltd. (hereinafter "Ichikoh"), a large auto components manufacturer (Headquarter: Isehara, Kanagawa, Japan, Representative Director and President: Ali Ordoobadi) won PACE Award 2016 for its innovative standardized LED light source module ("Mono-LED").

On April 11, 2016, at the PACE Award ceremony held in Detroit, Ichikoh won its first PACE Award 2016 for "Mono-LED", its innovative standardized LED light source module, which is used for clearance lamps in Toyota Alphard and fog lamps in Toyota new Prius etc., because of its low cost, low electricity consumption, compact size and highly standardized nature.

Last year, PACE Award judging members visited Ichikoh in Japan and conducted local evaluation. In February this year, a selection committee was held by all judging members. In April 11 (in Detroit, USA, one day prior to the opening of SAE), PACE Awards were announced in the ceremony and Ichikoh won the honorable award.



PACE Award (Premier Automotive Suppliers' Contribution to Excellence Award)
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. Ichikoh was nominated one

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of the finalists in PACE Award in 2012 for Reflector LED Headlamp adopted in Nissan LEAF.

(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).

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で、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.



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