



## **GS Yuasa Launches High-ceiling LED Lamp**

### **LEGA JD3042A/JD3162A**

#### **-Enhancing lineup of the LEGA series best suited for switching from mercury lamps to LED-**

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; "GS Yuasa") announced that it has launched the LEGA JD3042A/JD3162A as part of its high-ceiling LED lamp LEGA series. The new product is best suited for replacing the mercury lamps<sup>\*1</sup> (400w/700w) used mainly for lighting factories and gymnasiums.

LEGA JD3042A and JD3162A are installed with the latest LED module and their power consumption is about 80% of GS Yuasa's existing products. JD3042A maintains the same level of brightness as the existing 400W mercury lamps and enables energy savings of about 75%.

The new lamp body, which is smaller than the existing products, continues to have a reflector lamp shade and is also equipped with an arm for adjusting the angle, thus offering functionality with good design.

Following the launch of these two types of products, GS Yuasa plans to introduce LEGA JD3172A /JD3152A for replacing the 1000w mercury lamps and 400w metal-halide lamps in September 2016. These follow-up products will enhance the LEGA series lineup of high-ceiling LED lamps.

GS Yuasa will continue to offer lighting that is best suited for the use environments of customers through its broad lineup of the high-ceiling LED lighting LEGA series and the ceramic-metal-halide lamp ECO-CERA series that achieve energy saving and long life.

\*1 In accordance with the Minamata Convention on Mercury, the production of mercury lamps will be prohibited from 2021.

#### **[Features of high-ceiling LED lamp LEGA series]**

1. The products continue to have reflector lamp shades and are equipped with arms for adjusting the angle, thus offering both design and functionality
2. The latest LED module reduces the product's power consumption to about 80% of GS Yuasa's existing products
3. While maintaining the same level of brightness as a 400w mercury lamp, JD3042A reduces power consumption by approximately 75%
4. The light source's life is 60,000 hours (lumen maintenance factor of 85%<sup>\*2</sup>), which is five times that of mercury lamps (12,000 hours)
5. The series lines up four types of lamps that correspond to existing mercury lamps (400w, 700w and 1,000w) and 400w metal-halide lamps

\*2 Lumen maintenance factor

The value that expresses the reduction of luminaire luminous flux over the lifetime compared with the initial level.

**[Characteristics of high-ceiling LED lamp LEGA series]**

Model name	JD3042A	JD3152A*3	JD3162A	JD3172A*3
Brightness	Equivalent to 400w mercury lamp	Equivalent to 400w metal-halide lamp	Equivalent to 700w mercury lamp	Equivalent to 1000w mercury lamp
Input voltage (V)	AC200 to 220			
Power consumption (W)	107	163	215	320
Rated luminous flux (lm)	15,000	22,000	29,000	40,000
Intrinsic energy consumption efficiency (lm/W)	140	135	135	125
Color temperature	Neutral white (5,000K)			
Average color rendering evaluation index	Ra70			
LED module lifetime	60,000 hours			
Lumen maintenance factor	85%			80%

\*3 JD3152A and JD3172A are scheduled to be introduced in September 2016.

**[Images]** High-ceiling LED lamps JD3042A (left) and JD3162A (right)

