News Release
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GS Yuasa Corporation

GS Yuasa Launches LED Lamp LEGA LDT100/200V90N-G

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; “GS Yuasa”) announced that it has launched the LEGA LDT100/200V90N-G as part of its LED lamp LEGA series. The new product is best suited for replacing 300w mercury lamps used mainly for street lighting and park lighting.

In accordance with the Mercury Convention (Minamata Convention on mercury), the production as well as the export and import of mercury lamps will be prohibited in principle from 2020. Therefore, we expect a further acceleration in the number of existing mercury lamps replaced by LED lamps forward going. GS Yuasa had released an LED lamp hitherto best suited to replacing 80w and 200w mercury lamps. We have enhanced our lineup of LED lamps through the launch of this latest product.

LEGA LDT100/200V90N-G can be attached to the existing mercury lamp lighting equipment (E39 lamp cap) and the mercury lamps can be switched to LED just by removing the ballast and replacing the lamp. This enables a significant reduction in the investment cost for switching existing lights to LED with complete lighting equipment sets.

In addition, the new product maintains the same level of brightness as existing 300W mercury lamps and consumes very little power, 87/86w, which translates to energy savings of about 72%. The rated life of the product is approximately 4 times (50,000 hours) that of mercury lamps, so it also contributes to a reduction in maintenance and management costs for tasks such as lamp replacement.

Moreover, GS Yuasa was able to achieve soft lighting with LEGA LDT100/200V90N-G by reducing the glare[*1] of the LED light using a diffusive light-emitting surface to address the brightness typical to LEDs.

GS Yuasa will continue to offer lighting that is best suited for the usage environment of customers through its broad lineup of the LED lighting LEGA series.

*1 Glare is light brightness that can cause deterioration in vision, discomfort, and fatigue.

[Features of LEGA LDT100/200V90N-G]

1. Allows existing mercury lamp equipment to be used as it is, which significantly reduces the initial investment for LED adoption
2. While maintaining the same level of brightness, it reduces power consumption by approximately 72% and has a rated life approximately 4 times compared to mercury lamps, so it is also an economical product after installation.
3. 100V/200V supported as input voltage (built-in power supply)
4. Diffusive light-emitting surface controls glare while achieving soft light

【Characteristics of LEGA LED lamp series】

Product name	LED lamp LEGA LDT100/ 200V30N-G*2		LED lamp LEGA LDT100/ 200V70N-G*3		LED lamp LEGA LTD100/ 200V90N-G		Mercury lamp HF300X
	100V	200V	100V	200V	100V	200V	
Rated power consumption (W)	30		70		87	86	316
Power company applied input capacity (VA)	30		70		87	88	340
Total luminous flux (lm)	3,500		8,700		11,500		15,800
Lamp efficiency (lm/W)	116		124		132	133	50
Correlated color temperature (K)	5,000		5,000		5,000		3,900
Color rendering (Ra)	85		85		85		40
Rated life (h)*4	40,000 (70 ℃)		50,000 (60 ℃)		50,000 (60 ℃)		12,000

*2 Best suited product for replacing 80W mercury lamp
*3 Best suited product for replacing 200W mercury lamp
*4 In accordance with the operating temperature limit of the device to which the lamp is attached.
LEGA LDT100/200V90N-G : (-20 to 60 ℃)
LEGA LDT100/200V70N-G : (-20 to 60 ℃)
LEGA LDT100/200V30N-G : (-20 to 70 ℃)

【Image】 LED lamp LEGA LDT100/200V90N-G