GS YUASA

GS Yuasa Launches Special Environment Compatible High-ceiling LED Lamp

GS Yuasa Corporation (Tokyo Stock Exchange: 6674; "GS Yuasa") announced that it has added a special environment compatible model to its high-ceiling LED lamp LEGA series, sales of which began in July 2017.

This model is available in three types – weather-proof, high temperature, and high temperature and vibration-proof –, and the material and structure used have been upgraded so that it can be used in environments where it could not be used before such as places affected by salt pollution, dust, humidity or rain water or places where vibrations occur.
The product continues to have a reflector lamp shade and an arm for adjusting the angle, and is offered in a range of brightness equivalent to 400W mercury lamp, 700W mercury lamp and 400W metal-halide lamp.

With the enhanced lineup of the high-ceiling LED lamp LEGA series, GS Yuasa will offer lighting that is best suited for various special environments.

[Features of high-ceiling LED lamp special environment compatible model]

1. Installed with the initial illuminance correction function* to further reduce power consumption.
2. Available in upgraded three types for various usage environment
   1) Weather-proof type
      Sealed LED module and aluminum and stainless steel parts improved performance in terms of dust resistance, moisture proof, salinity proof and oily smoke proof
   2) High temperature type
      The power supply and the equipment are separated so that it can be used in environments where the ambient temperature is regularly in the 60 degree Celsius level.
   3) High temperature and vibration-proof type
      Reinforced the high temperature model so that it can be used in places with vibrations of as much as 4G.

      *The luminous flux of LED gradually deteriorate soon after the start of the use and the function adjust electric power to enable a certain level of brightness from the start of the use till the end of the life.

[Characteristics of high-ceiling LED lamp special environment compatible model (weather-proof type)]

Type	Weather-proof type		
Model name	JDB3442A	JDB3552A	JDB3562A
Brightness	Equivalent to 400w mercury lamp	Equivalent to 400w metal-halide lamp	Equivalent to 700w mercury lamp
Input voltage (V)	AC200 - 220		
Rated power consumption/ average power consumption (W)	107/98	150/136	215/193
Rated luminous flux (lm)	15,000	21,000	29,000
Intrinsic energy consumption efficiency (lm/W)	140.1	140.0	134.8
Color temperature/Average color rendering evaluation index	Neutral white (5,000K) / Ra70		
LED module lifetime (lumen maintenance factor)	60,000 hours (85%)		

[Characteristics of high-ceiling LED lamp special environment compatible model (high temperature type, and high temperature and vibration-proof type)]

Type	High temperature type		High temperature and vibration-proof type	
Model name	JD3642A	JD3752A	JD3643A	JD3753A
Brightness	Equivalent to 400w mercury lamp	Equivalent to 400w metal-halide lamp - Equivalent to 700w mercury lamp class	Equivalent to 400w mercury lamp	Equivalent to 400w metal-halide lamp - Equivalent to 700w mercury lamp class
Input voltage (V)	AC200 - 220			
Rated power consumption/ average power consumption (W)	107/98	153/142	107/98	153/142
Rated luminous flux (lm)	15,000	24,500	15,000	24,500
Intrinsic energy consumption efficiency (lm/W)	140.1	160.1	140.1	160.1
Color temperature/Average color rendering evaluation index	Neutral white (5,000K) / Ra70			
LED module lifetime (lumen maintenance factor)	60,000 hours (85%)			

[Images]
High-ceiling LED lamps special environment compatible model (JDB3442A (left) and JD3753A (right))