SAMSUNG

Samsung Introduces High-performance LED Linear Modules

for Indoor Lighting Applications – the H-Series

SEOUL, Korea – Aug. 25, 2016 – Samsung Electronics Co., Ltd., a world leader in advanced component solutions, today announced "H-series Gen 3," a new line-up of LED linear modules that features high efficacy and enables easy replacement of fluorescent lights with LED lamps.

"With our new H-series, Samsung continues to lead the high-end industry segment for LED components through constant technology innovation," said Jacob Tarn, executive vice president, LED Business Team, Samsung Electronics. "We are directing our technology expertise to improving the quality of LED lighting by significantly enhancing our LED components' performance and overall competitiveness.

Samsung's H-series Gen 3 provides light efficacy reaching up to 187 lumen per watt (lm/W) at 4000K, which allows LED luminaires using the modules to achieve light efficacy above 140lm/W, delivering an optic efficiency level of about 86 percent and LED driver efficiency of approximately 88 percent.

Currently, Samsung offers several linear LED module line-ups: the V-series for cost-effective applications; the M-, S- and F-series for standard LED lighting segments; and now the H-series for high-performance LED products.

Samsung's H-series Gen 3 uses the LM561C, the mid-power LED package with the highest efficacy in its LM561-series line-up. As a result, the H-series Gen 3 has obtained 18 to 26 percent higher efficacy than the company's M-series Gen 2 modules. This feature makes the H-series Gen 3 line-up well-suited to meet DLC Premium standards – technical requirements for LED lighting solutions suggested by DesignLights Consortium™. DLC standards are well recognized in the North American region as a preferred means of evaluating LED lighting products in terms of performance and quality.

The H-series comes in three sizes: 1120mm (4 ft.) 560mm (2 ft.) and 280mm/275mm (1 ft.). As the premium version of the company's M-series and S-series line-ups, the H-series has the same form factors as those modules (see chart below), while providing a performance level that more than satisfies the high demands of the U.S. and EU luminaire markets.

Samsung's M-series has been certified by UL, a product quality certification standards organization in the U.S., while the S-series has been certified by CE and ENEC, similar standards bodies in the EU. Sharing the form factors and quality certifications of Samsung's M- and S-series, the H-series allows lighting manufacturers to select their LED modules according to the specific operating conditions of their applications.

The full line-up of Samsung's H-series includes:

Product	Model Name	Lumen Output	Light Efficacy	Size [mm]	Certification
H-series	LT-H562C	2020 lm	187 lm/W	560 x 24	CE, ENEC

Gen3	LT-H282C	1010 lm	187 lm/W	280 x 24	
	LT-HB22D	4040 lm	187 lm/W	1120 x 18	
	LT-H562D	2020 lm	187 lm/W	560 x 18	UL/cUL
	LT-H282D	1010 lm	187 lm/W	275 x 18	

* 4000K, tp=50℃

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