



Samsung's New Q-series LED Linear Modules Offer Superior Efficacy to Improve Premium Indoor Lighting

SEOUL, Korea – Aug. 25, 2017 – Samsung Electronics Co., Ltd., a world leader in advanced digital component solutions, today announced the launch of the “Q-series,” a new line-up of LED linear modules for use in premium indoor luminaire applications where an exceptionally high level of light efficacy* is required.

The Q-series features 200 lumens per watt (lm/W) of light efficacy, which is the highest efficacy level among current LED linear modules. The new modules are the first to incorporate the LM301B, Samsung's recently announced mid-power LED package.

This allows LED lighting fixtures using the new modules to reach more than 150lm/W, enabled through an optical efficiency level of approximately 86 percent and LED driver efficiency of about 88 percent. The Q-series' performance levels are ideally suited to meet DLC** Premium technical standards, which require higher efficacy and lumen maintenance specifications than the DLC Standard classification.

The new Q-series modules come in one-, two- and four-foot sizes, and can be combined linearly to achieve any desired length. There are two sets of modules: Q-series modules for the North American market are UL certified, while those for the European market have CE certification.

With the addition of the premium Q-series line-up, Samsung now offers five families of LED lighting modules (Q-, H-, M-, S- and V-series) to meet most indoor LED lighting needs. The Q-series has the same form factor as Samsung's other modules for easy retrofitting with existing LED luminaires and is now available through Samsung's worldwide LED sales network.

Samsung's Q-series line-up includes:

(@ tp = 40 °C, 4000K)					
Region	Type	Model	Luminous Flux	Efficacy	Conditions
US	4 ft.	LT-QB22A	4,000 lm	203 lm/W	450 mA, 43.8 V
	2 ft.	LT-Q562A	2,000 lm		450 mA, 21.9 V
	1 ft.	LT-Q282A	1,000 lm		450 mA, 11.0 V
Europe	2 ft.	LT-Q562B	2,000 lm	180 lm/W	180 mA, 54.8 V
	1 ft.	LT-Q282B	1,000 lm		180 mA, 27.4 V

Editorial Note 1: Generally speaking, the higher the light efficacy, the greater the energy efficiency.

Editorial Note 2: DLC (DesignLights Consortium®) establishes technical specifications which are widely recognized in North America as a preferred means of evaluating LED lighting products in terms of performance and quality.

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About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI and LED solutions. For the latest news, please visit the Samsung Newsroom at <http://news.samsung.com>.