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## Product Change Notification (PCN)

Issued Date: July 30<sup>th</sup>, 2020

This letter is to inform you that Samsung Electronics plans to execute the changes (see below for specific part numbers).

### 1. Products

- Product Model: Q-series\_US
- Part Number: Please refer to the Appendix#1

### 2. Items changed

ITEM	Changed point
4000K Performance Improvement	Efficacy goes up 203 lm/W → 208 lm/W and Flux is increased around 2~3% due to adopting higher flux PKGs.

### 3. Starting Date of manufacturing: From now

Issued by Marketing at LED business of Samsung Electronics

- The End -

※ Appendix #1: Part Number

Family Name	Model	CCT	Model code
Q-series US	LT-Q282A	3000K	SI-B8V051280US
		3500K	SI-B8U051280US
		4000K	SI-B8T051280US
		5000K	SI-B8R051280US
	LT-Q562A	3000K	SI-B8V101560US
		3500K	SI-B8U101560US
		4000K	SI-B8T101560US
		5000K	SI-B8R101560US
	LT-QB22A	3000K	SI-B8V201B20US
		3500K	SI-B8U201B20US
		4000K	SI-B8T201B20US
		5000K	SI-B8R201B20US

※ Appendix #2: Performance Improvement

Model	CCT	Model code	Category	Flux [lm]			Efficacy [lm/W]			Remark
				AS-IS (V3.0)	TO-BE (V4.0)	%	AS-IS (V3.0)	TO-BE (V4.0)	%	
Q282A	4000K	SI-B8T051280US	Min	900	925	2.8%	183	187	2.2%	450mA, tp=40°C
			Typ	1000	1025	2.5%	203	208	2.5%	
			Max	1110	1140	2.7%	225	231	2.7%	
Q562A	4000K	SI-B8T101560US	Min	1800	1845	2.5%	183	187	2.2%	
			Typ	2000	2050	2.5%	203	208	2.5%	
			Max	2220	2280	2.7%	225	231	2.7%	
QB22A	4000K	SI-B8T201B20US	Min	3600	3690	2.5%	183	187	2.2%	
			Typ	4000	4100	2.5%	203	208	2.5%	
			Max	4445	4555	2.5%	226	231	2.2%	