# Legal and additional information.

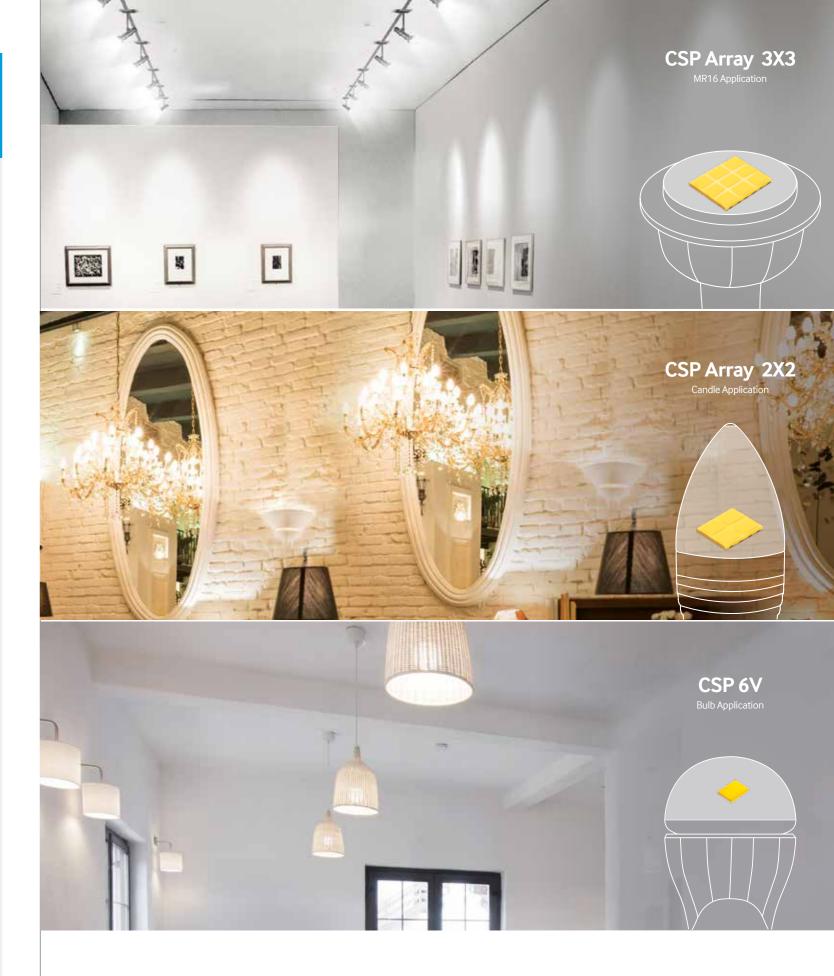
#### About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies, redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems and semiconductors. We are also leading in the Internet of Things space through, among others, our Digital Health and Smart Home initiatives. We employ 307,000 people across 84 countries. To discover more, please visit our official website at www.samsung.com and our official blog at global.samsungtomorrow.com.

Copyright © 2015 Samsung Electronics Co., Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co., Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

Samsung Electronics Co., Ltd. 95, Samsung 2-ro Giheung-gu Yongin-si, Gyeonggi-do, 446-711 KOREA

www.samsungled.com



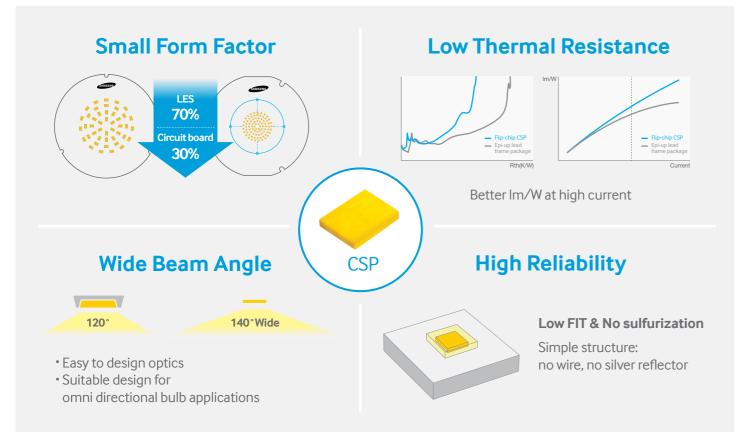
# Samsung Chip Scale Package (CSP) LEDs

Significantly scale down the size that allows for more flexible and compact designs

#### SAMSUNG



#### Added value provided with the advanced chip scale packaging technology

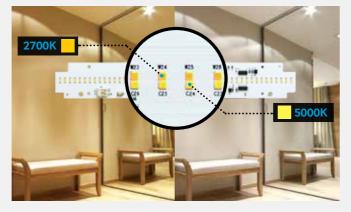


### **Superior Design Flexibility**



- Customizable array arrangement
- Greater freedom of design
- One time certification
- Faster time-to-market cycle
- Low inventory burden

#### CCT Tunability



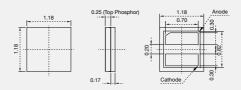
#### Applications Bulb, Candle, MR16, PAR, Spot light



### LM101A

Compact form factor for design flexibility • 1 W class mid power LED • LM80 (6000hrs) : Nov. 2015

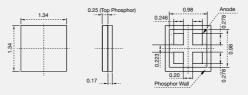
• Compact footprint: 1.18 × 1.18 m²



### LM102A

Compact form factor for design flexibility

6V, 1W class mid power LED
LM80 (6000hrs) : Jun. 2016
Compact footprint: 1.34 × 1.34 mm<sup>2</sup>



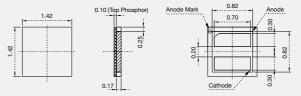
## LM131A

Compact form factor for design flexibility

• 1W class mid power LED with white side wall

Film on Chip structure

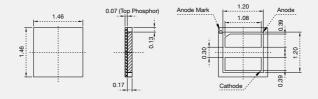
• Compact footprint: 1.42 x 1.42 mm<sup>2</sup>



### LH141A

Samsung flip chip provides optimized solution for torch / flash light

2 W class high power LED
Film on Chip structure
Plastic-free structure delivers low thermal resistance
Compact footprint: 1.46 x 1.46 mm<sup>2</sup>



CRI Min.	ССТ (К)	Luminous Flux (Im)			Part Number
		Min.	Max.	IF (MA)	Part Number
80	2700	49	65	150	SCS8WT78EPL1W0S06E
	3000	51	67		SCS8VT78EPL1V0S06E
	3500	52	68		SCS8UT78EPL1U0S06E
	4000	56	72		SCS8TT78EPL1T0S06E
	5000	58	74		SCS8RT78EPL1R0S06E
	5700	53	69		SCS8QT78EPL1Q0S06E
	6500	52	68		SCS8PT78EPL1P0S06E

\* Bin option is available, please refer to data sheet for more details.

CRI Min.	CCT (K)	Luminous Flux (lm) Typ.	IF (mA)	Part Number
80	2700	102		SCS8WT93HPL2W0S0XX
	3000	106		SCS8VT93HPL2V0S0XX
	3500	109		SCS8UT93HPL2U0S0XX
	4000	116	150 (5.9V)	SCS8TT93HPL2T0S0XX
	5000	119		SCS8RT93HPL2R0S0XX
	5700	116		SCS8QT93HPL2Q0S0XX
	6500	112		SCS8PT93HPL2P0S0XX

% Bin option is available, please refer to data sheet for more details. [Under development]

CRI Min.	CCT (K)	Luminous Flux (lm)			Part Number
		Min.	Max.		
80	2700	82	106		SCS8WT78EFL1W08ECK
	3000	86	110		SCS8VT78EFL1V09FCK
	4000	94	118	300	SCS8TT78EFL1T0BHCK
	5000	98	122		SCS8RT78EFL1R0CICK
	6500	94	118		SCS8PT78EFL1P0BHCK

\* Bin option is available, please refer to data sheet for more details.

CRI Min.	CCT (K)	Luminous Flux (lm)			Part Number
		Min.	Тур.	IF (IIIA)	Part Number
68	5000	110	135	350	SCS6RTB6EFL1R0FZ6K
	6000	110	131		SCS6JTB6EFL1J0FZ6K
	7600	110	124		SCS6NTB6EFL1N0FZ6K

\* Bin option is available, please refer to data sheet for more details.