About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit Samsung Newsroom at http://news.samsung.com.

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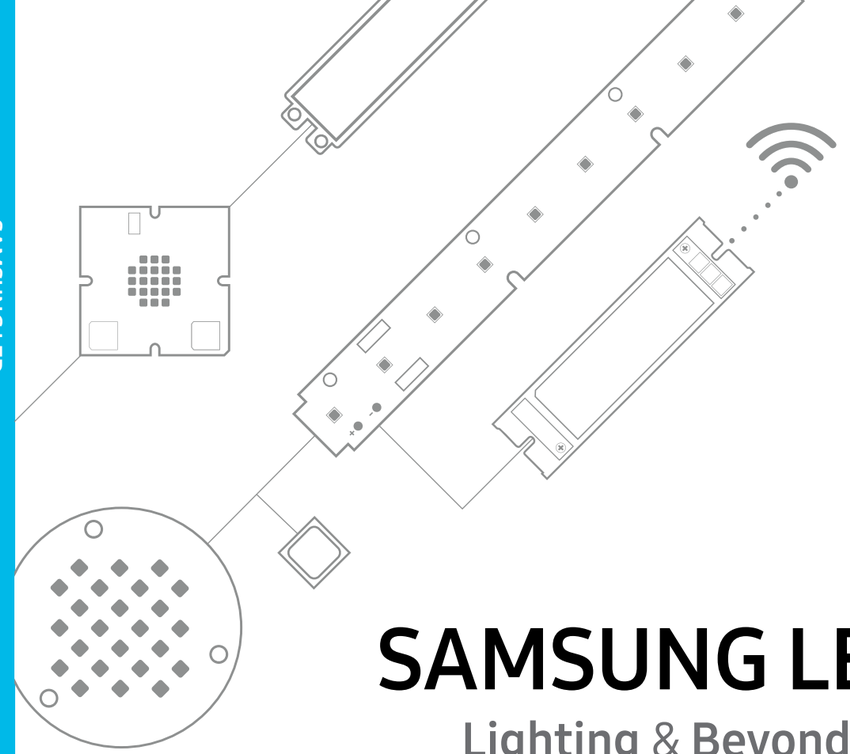
SAMSUNG

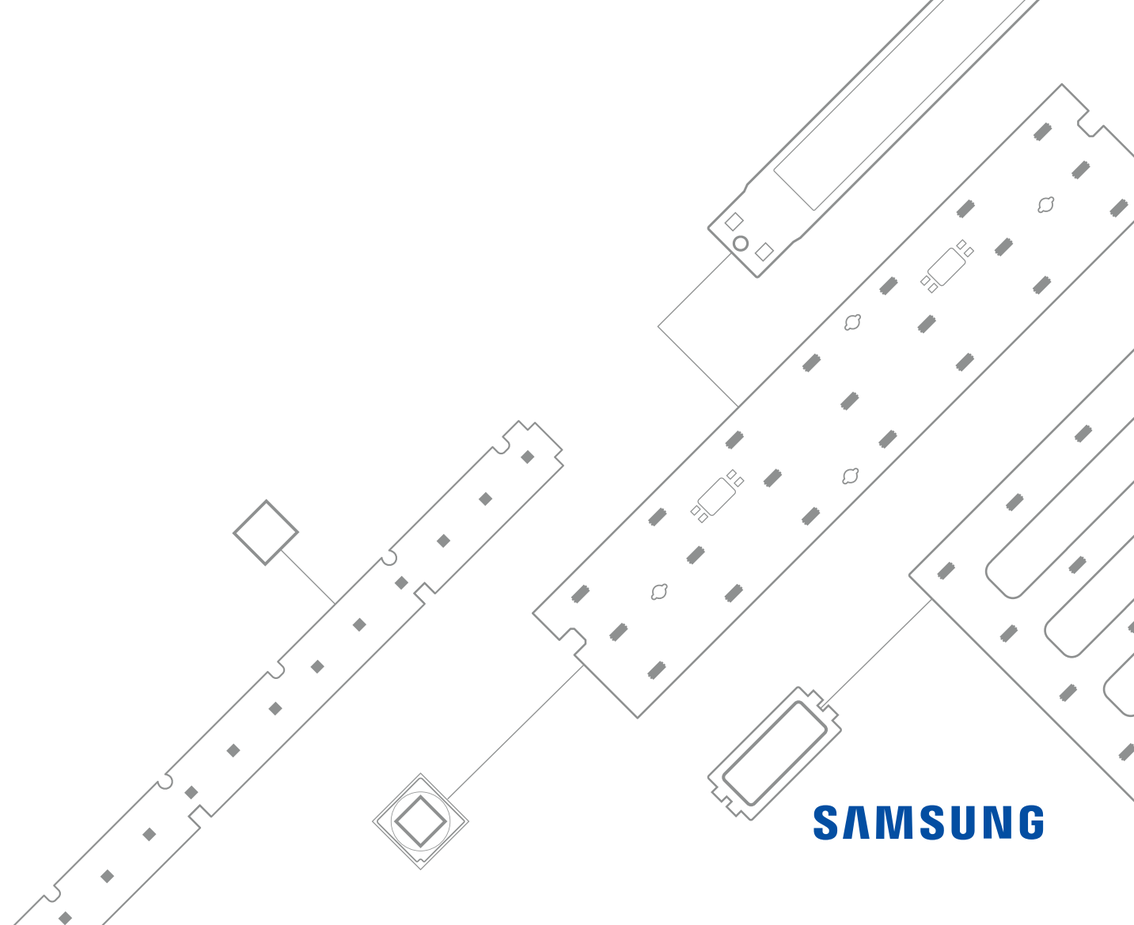
SAMSUNG LED



SAMSUNG LED

Lighting & Beyond

Smart, Connected Illumination



SAMSUNG

Overview & Technology

Samsung Electronics Co., Ltd. is a global leader in consumer electronics and the core components that go into them.

Samsung aspires to create new technologies and innovative products that inspire the world, while delivering new value to enhance the lives of customers, partners and employees.

Overview

Samsung's global network extends across the world where the creativity, expertise and diverse perspectives of employees are helping to drive growth.

※ As of December 2015

Manufacturing Subsidiaries	32
R&D	33
Design Centers	6
Regional Headquarters	14

77 Countries

Brand Value

Ranked 7th in Global Brand Value, Samsung recorded a brand value of $45.3 Billion in 2015.

※ Source : Interbrand / Business Week

Rank	2011	2012	2013	2014~2015
1	Coca-Cola	Coca-Cola	Apple	
2	IBM	Apple	Google	
3	Apple	IBM	Coca-Cola	5 IBM
4	Google	Google	IBM	6 Toyota
7				7 Samsung Electronics
8			8 Samsung Electronics	8 GE
9		9 Samsung Electronics	9 Intel	9 McDonald's
10			10 Toyota	
17	17 Samsung Electronics			
19		19 Nokia		
20		20 Amazon		
35	35 Sony			
41	41 Phillips			

Intellectual Property

In 2015, Samsung registered 5,072 new patents at the U.S. Patent & Trade Office. This placed it as the second-highest U.S. patent winner, a position it has held for the 10 consecutive years since 2006.

※ As of December 2015

2015 US Patents Registration

※ Source: The U.S. Patent and Trademark Office (USPTO)

Vertical Integration

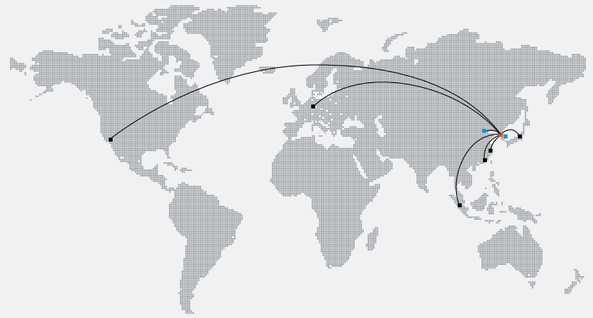
Unique company that has full in-house solutions from raw material to Light Engines and Smart Lighting Platform

High Reliability

Quality management & design verification system for optimizing time-to-market

World Best SCM

Reliable, on-time delivery without delays



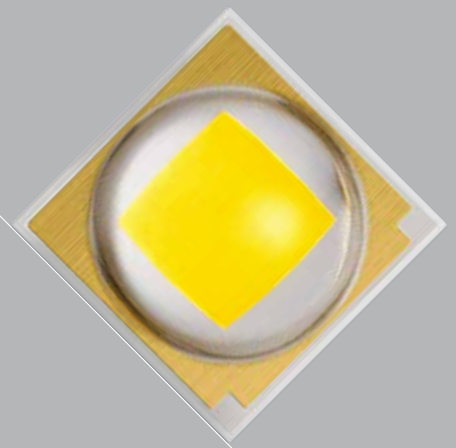
SAMSUNG

Life and LED Business Solution Partner

LED technology has started a new era of innovation and game-changing trends
affecting diverse applications and lighting industries.
In particular, as countries around the world strengthen energy conservation programs
and push for related legislation enforcement,
demand for energy-efficient lighting is on the rise at a rapid pace.
Samsung's LED Business aims to achieve excellence as a long life,
energy saving and eco-friendly light source supplier in lighting applications.
Samsung's advanced semiconductor manufacturing expertise serves as a strong foundation
to deliver state-of-the-art LED devices.

CONTENTS

Component



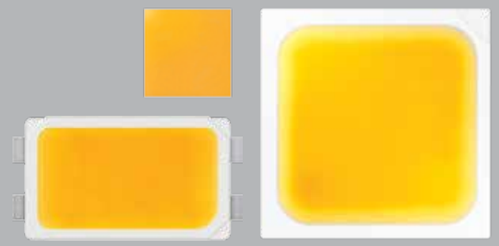
CSP LEDs

Mid Power LEDs

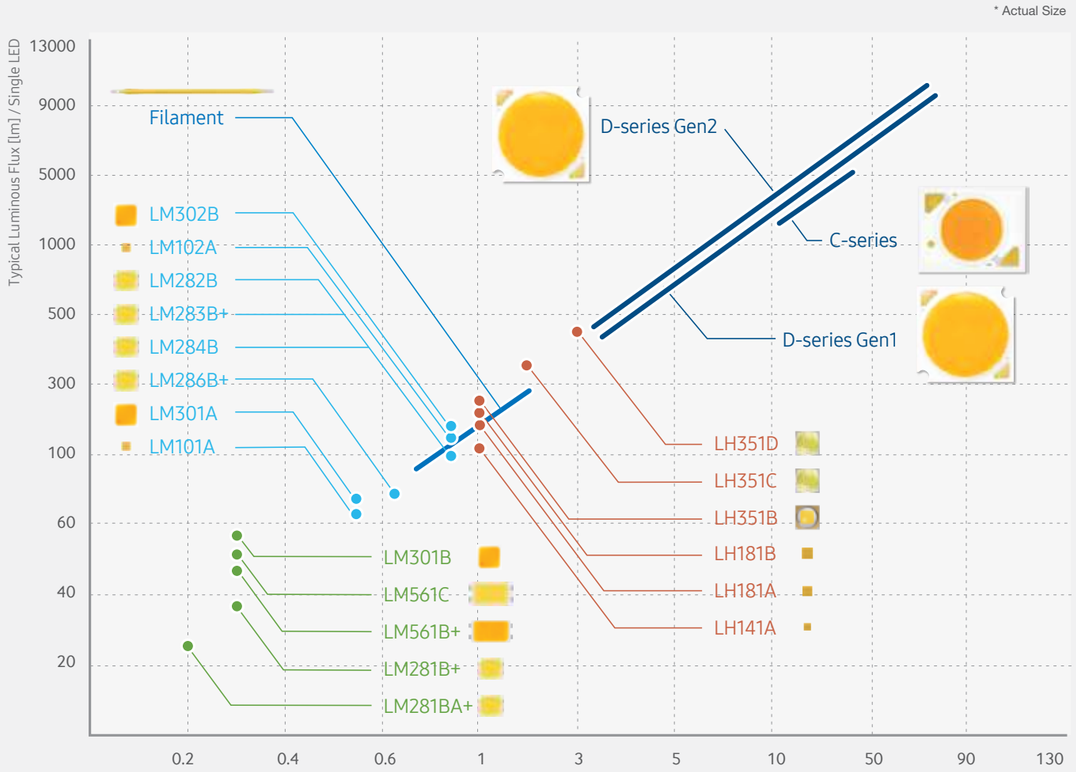
Filament LEDs

High Power LEDs

COB LEDs



Samsung LED Line-up for illumination



Mid Power LED (0.3W)

- High efficacy
- Replacement for fluorescent lamps
- LED Tube, Ambient Light

Mid Power LED (~1W)

- High flux & better lm/$
- Replacement for incandescent lamps
- Retrofit Bulb, MR/PAR, Downlight

High Power LED

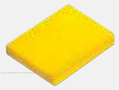
- Ultra high flux
- Provides excellent color consistency
- Spotlight, Street Light

COB

- Chip on Board solution
- Outstanding color rendering & consistency
- MR/PAR, Spotlight, High Bay & Low Bay Light

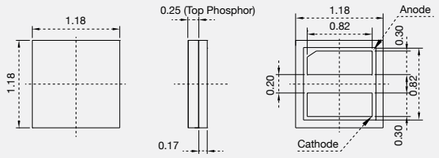
Chip-scale Package LEDs

LM101A



Compact form factor for design flexibility

- 0.5W class mid power 3V LED
- Compact footprint: 1.18mm × 1.18mm

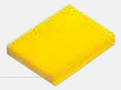


[150mA, 85°C]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	3000	SCP7VT78HPL1V☆SD6E	SD	55	59
		SCP7VT78HPL1V☆SE6E	SE	59	63
		SCP7VT78HPL1V☆SF6E	SF	63	67
	3500	SCP7UT78HPL1U☆SD6E	SD	55	59
		SCP7UT78HPL1U☆SE6E	SE	59	63
		SCP7UT78HPL1U☆SF6E	SF	63	67
	4000	SCP7TT78HPL1T☆SE6E	SE	59	63
		SCP7TT78HPL1T☆SF6E	SF	63	67
		SCP7TT78HPL1T☆SG6E	SG	67	71
	5000	SCP7RT78HPL1R☆SE6E	SE	59	63
		SCP7RT78HPL1R☆SF6E	SF	63	67
		SCP7RT78HPL1R☆SG6E	SG	67	71
	5700	SCP7QT78HPL1Q☆SE6E	SE	59	63
		SCP7QT78HPL1Q☆SF6E	SF	63	67
		SCP7QT78HPL1Q☆SG6E	SG	67	71
	6500	SCP7PT78HPL1P☆SE6E	SE	59	63
		SCP7PT78HPL1P☆SF6E	SF	63	67
		SCP7PT78HPL1P☆SG6E	SG	67	71
80+	2700	SCP8WT78HPL1W☆SB6E	SB	47	51
		SCP8WT78HPL1W☆SC6E	SC	51	55
		SCP8WT78HPL1W☆SD6E	SD	55	59
	3000	SCP8VT78HPL1V☆SC6E	SC	51	55
		SCP8VT78HPL1V☆SD6E	SD	55	59
		SCP8VT78HPL1V☆SE6E	SE	59	63
	3500	SCP8UT78HPL1U☆SC6E	SC	51	55
		SCP8UT78HPL1U☆SD6E	SD	55	59
		SCP8UT78HPL1U☆SE6E	SE	59	63
	4000	SCP8TT78HPL1T☆SD6E	SD	55	59
		SCP8TT78HPL1T☆SE6E	SE	59	63
		SCP8TT78HPL1T☆SF6E	SF	63	67
	5000	SCP8RT78HPL1R☆SD6E	SD	55	59
		SCP8RT78HPL1R☆SE6E	SE	59	63
		SCP8RT78HPL1R☆SF6E	SF	63	67
	5700	SCP8QT78HPL1Q☆SC6E	SC	51	55
		SCP8QT78HPL1Q☆SD6E	SD	55	59
		SCP8QT78HPL1Q☆SE6E	SE	59	63
	6500	SCP8PT78HPL1P☆SC6E	SC	51	55
		SCP8PT78HPL1P☆SD6E	SD	55	59
		SCP8PT78HPL1P☆SE6E	SE	59	63
90+	2700	SCP9WT78HPL1W☆SY6E	SY	35	39
		SCP9WT78HPL1W☆SZ6E	SZ	39	43
		SCP9WT78HPL1W☆SA6E	SA	43	47
	3000	SCP9VT78HPL1V☆SY6E	SY	35	39
		SCP9VT78HPL1V☆SZ6E	SZ	39	43
		SCP9VT78HPL1V☆SA6E	SA	43	47
	3500	SCP9UT78HPL1U☆SZ6E	SZ	39	43
		SCP9UT78HPL1U☆SA6E	SA	43	47
		SCP9UT78HPL1U☆SB6E	SB	47	51

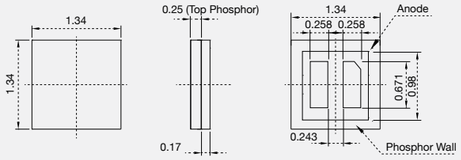
* Note: "☆" can be "L" (Single bin for MacAdam 5-step), "U" (Single bin for MacAdam 3-step)

LM102A



Compact form factor for design flexibility

- 1W class mid power 6V LED
- Compact footprint: 1.34mm × 1.34mm



[150mA, 85℃]

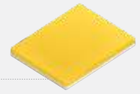
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	3000	SCS7VT93HPL2V☆SD3F	SD	103	111
		SCS7VT93HPL2V☆SE3F	SE	111	119
	3500	SCS7UT93HPL2U☆SD3F	SD	103	111
		SCS7UT93H PL2U☆SE3F	SE	111	119
	4000	SCS7TT93HPL2T☆SE3F	SE	111	119
		SCS7TT93HPL2T☆SF3F	SF	119	127
	5000	SCS7RT93HPL2R☆SE3F	SE	111	119
		SCS7RT93HPL2R☆SF3F	SF	119	127
	5700	SCS7QT93HPL2Q☆SE3F	SE	111	119
		SCS7QT93HPL2Q☆SF3F	SF	119	127
	6500	SCS7PT93HPL2P☆SE3F	SE	111	119
		SCS7PT93HPL2P☆SF3F	SF	119	127
80+	2700	SCS8WT93HPL2W☆SC3F	SC	95	103
		SCS8WT93HPL2W☆SD3F	SD	103	111
	3000	SCS8VT93HPL2V☆SC3F	SC	95	103
		SCS8VT93HPL2V☆SD3F	SD	103	111
	3500	SCS8UT93HPL2U☆SD3F	SD	103	111
		SCS8UT93HPL2U☆SE3F	SE	111	119
	4000	SCS8TT93HPL2T☆SD3F	SD	103	111
		SCS8TT93HPL2T☆SE3F	SE	111	119
	5000	SCS8RT93HPL2R☆SE3F	SE	111	119
		SCS8RT93HPL2R☆SF3F	SF	119	127
	5700	SCS8QT93HPL2Q☆SD3F	SD	103	111
		SCS8QT93HPL2Q☆SE3F	SE	111	119
	6500	SCS8PT93HPL2P☆SD3F	SD	103	111
		SCS8PT93HPL2P☆SE3F	SE	111	119
90+	2700	SCS9WT93HPL2W☆SA3F	SA	79	87
		SCS9WT93HPL2W☆SB3F	SB	87	95
	3000	SCS9VT93HPL2V☆SA3F	SA	79	87
		SCS9VT93HPL2V☆SB3F	SB	87	95
	3500	SCS9UT93HPL2U☆SA3F	SA	79	87
		SCS9UT93HPL2U☆SB3F	SB	87	95

* Note: "☆" can be "L" (Single bin for MacAdam 5-step), "U" (Single bin for MacAdam 3-step)

Chip-scale Package LEDs

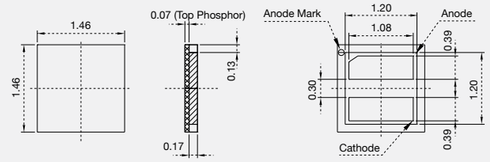
Component

LH141A



Samsung flip chip provides optimized solution for torch / flash light

- 2W class high power LED
- Phosphor film directly attached to flip chip surface
- Plastic-free structure delivers low thermal resistance
- Compact footprint: 1.46mm x 1.46mm



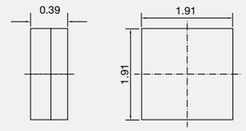
[350mA, 25℃]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
68+	5000	SCS6RTB6EFL1R0FZ6K	FH	110	120
			HZ	120	-
	6000	SCS6JTB6EFL1J0FZ6K	FH	110	120
			HZ	120	-
	7600	SCS6NTB6EFL1N0FZ6K	FH	110	120
			HZ	120	-

LH181A

Compact form factor for design flexibility

- 3W class high power CSP
- High performance and superior lm/$
- Compact footprint: 1.9mm x 1.9mm



[350mA, 85℃]

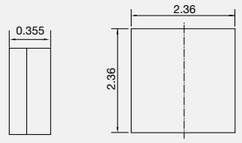
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
70+	2700	SCP7WTF1HPL1W0J34E	J1, K1, M1	120	150
	3000	SCP7VTF1HPL1V0K34E	K1, M1, N1	130	160
	3500	SCP7UTF1HPL1U0K34E	K1, M1, N1	130	160
	4000	SCP7TTF1HPL1T0M34E	M1, N1, P1	140	170
	5000	SCP7RTF1HPL1RTM34E	M1, N1, P1	140	170
	5700	SCP7QTF1HPL1QTM34E	M1, N1, P1	140	170
	6500	SCP7PTF1HPL1PTM34E	M1, N1, P1	140	170
75+	5000	SCPERTF1HPL1RTK34E	K1, M1, N1	130	160
	5700	SCPEQTF1HPL1QTK34E	K1, M1, N1	130	160
80+	2700	SCP8WTF1HPL1W0J34E	J1, K1, M1	120	150
	3000	SCP8VTF1HPL1V0K34E	K1, M1, N1	130	160
	3500	SCP8UTF1HPL1U0K34E	K1, M1, N1	130	160
	4000	SCP8TTF1HPL1T0K34E	K1, M1, N1	130	160
	5000	SCP8RTF1HPL1RTK34E	K1, M1, N1	130	160
	5700	SCP8QTF1HPL1QTK34E	K1, M1, N1	130	160
	6500	SCP8PTF1HPL1PTK34E	K1, M1, N1	130	160

Chip-scale Package LEDs

LH181B

Compact form factor for design flexibility

- Higher performance by applying new strucuture
- Compact footprint: 2.36mm x 2.36mm



[350mA, 85°C]

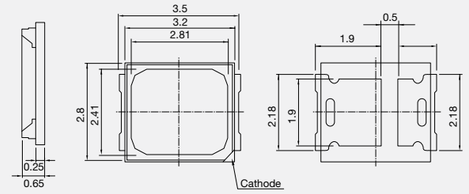
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SCP7WTF1HEL1WLM34E	M1, N1, P1	140	170
	3000	SCP7VTF1HEL1VLM34E	M1, N1, P1	140	170
	3500	SCP7UTF1HEL1ULN34E	N1, P1, Q1	150	180
	4000	SCP7TTF1HEL1TLN34E	N1, P1, Q1	150	180
	5000	SCP7RTF1HEL1RLP34E	P1, Q1, R1	160	190
	5700	SCP7QTF1HEL1QLP34E	P1, Q1, R1	160	190
	6500	SCP7PTF1HEL1PLP34E	P1, Q1, R1	160	190
80+	2700	SCP8WTF1HEL1WLK34E	K1, M1, N1	130	160
	3000	SCP8VTF1HEL1VLK34E	K1, M1, N1	130	160
	3500	SCP8UTF1HEL1ULM34E	M1, N1, P1	140	170
	4000	SCP8TTF1HEL1TLM34E	M1, N1, P1	140	170
	5000	SCP8RTF1HEL1RLN34E	N1, P1, Q1	150	180
	5700	SCP8QTF1HEL1QLN34E	N1, P1, Q1	150	180
90+	2700	SCP9WTF1HEL1WLG34E	G1, H1, J1	100	130
	3000	SCP9VTF1HEL1VLG34E	G1, H1, J1	100	130
	3500	SCP9UTF1HEL1ULH34E	H1, J1, K1	110	140

Mid Power LEDs

LM281B Plus

Designed for better lm/$

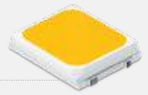
- 0.5W class mid power LED
- Suitable for ambient lights, downlights & lamps
- Standard footprint: 2.8mm x 3.5mm



[150mA, 25°C]

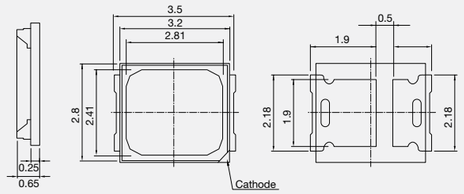
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
80+	2700	SPMWH1228FD5WAW0SC	SC	56.5	60.5
		SPMWH1228FD5WAW0SE	SE	60.5	64.5
		SPMWH1228FD5WAW0SG	SG	64.5	68.5
	3000	SPMWH1228FD5WAV0SC	SC	58.5	62.5
		SPMWH1228FD5WAV0SE	SE	62.5	66.5
		SPMWH1228FD5WAV0SG	SG	66.5	70.5
	3500	SPMWH1228FD5WAU0SC	SC	59.5	63.5
		SPMWH1228FD5WAU0SE	SE	63.5	67.5
		SPMWH1228FD5WAU0SG	SG	67.5	71.5
	4000	SPMWH1228FD5WAT0SC	SC	62.0	66.0
		SPMWH1228FD5WAT0SE	SE	66.0	70.0
		SPMWH1228FD5WAT0SG	SG	70.0	74.0
	5000	SPMWH1228FD5WAR0SC	SC	63.0	67.0
		SPMWH1228FD5WAR0SE	SE	67.0	71.0
		SPMWH1228FD5WAR0SG	SG	71.0	75.0
	5700	SPMWH1228FD5WAQ0SC	SC	62.5	66.5
		SPMWH1228FD5WAQ0SE	SE	66.5	70.5
		SPMWH1228FD5WAQ0SG	SG	70.5	74.5
	6500	SPMWH1228FD5WAP0SC	SC	62.0	66.0
		SPMWH1228FD5WAP0SE	SE	66.0	70.0
		SPMWH1228FD5WAP0SG	SG	70.0	74.0
90+	2700	SPMWH1228FD7WAW0SC	SC	47.0	50.5
		SPMWH1228FD7WAW0SE	SE	50.5	54.0
		SPMWH1228FD7WAW0SG	SG	54.0	57.5
	3000	SPMWH1228FD7WAV0SC	SC	51.5	55.0
		SPMWH1228FD7WAV0SE	SE	55.0	58.5
		SPMWH1228FD7WAV0SG	SG	58.5	62.0
	3500	SPMWH1228FD7WAU0SC	SC	51.0	54.5
		SPMWH1228FD7WAU0SE	SE	54.5	58.0
		SPMWH1228FD7WAU0SG	SG	58.0	61.5
	4000	SPMWH1228FD7WAT0SC	SC	52.5	56.0
		SPMWH1228FD7WAT0SE	SE	56.0	59.5
		SPMWH1228FD7WAT0SG	SG	59.5	63.0
	5000	SPMWH1228FD7WAR0SC	SC	53.5	57.0
		SPMWH1228FD7WAR0SE	SE	57.0	60.5
		SPMWH1228FD7WAR0SG	SG	60.5	64.0
	5700	SPMWH1228FD7WAQ0SC	SC	53.5	57.0
		SPMWH1228FD7WAQ0SE	SE	57.0	60.5
		SPMWH1228FD7WAQ0SG	SG	60.5	64.0
	6500	SPMWH1228FD7WAP0SC	SC	52.5	56.0
		SPMWH1228FD7WAP0SE	SE	56.0	59.5
		SPMWH1228FD7WAP0SG	SG	59.5	63.0

LM281BA Plus



Designed for better lm/$

- 0.2W class mid power 3V LED
- Suitable for ambient lights, downlights & lamps
- Standard footprint: 2.8mm x 3.5mm



[60mA, 25°C]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
80+	2700	SPMWH22286D5WAW0S2	S2	21.0	23.0
		SPMWH22286D5WAW0S3	S3	23.0	25.0
	3000	SPMWH22286D5WAV0S2	S2	21.5	23.5
		SPMWH22286D5WAV0S3	S3	23.5	25.5
	3500	SPMWH22286D5WAU0S2	S2	22.5	24.5
		SPMWH22286D5WAU0S3	S3	24.5	26.5
	4000	SPMWH22286D5WAT0S2	S2	23.0	25.0
		SPMWH22286D5WAT0S3	S3	25.0	27.0
	5000	SPMWH22286D5WAR0S2	S2	23.5	25.5
		SPMWH22286D5WAR0S3	S3	25.5	27.5
	5700	SPMWH22286D5WAQ0S2	S2	23.5	25.5
		SPMWH22286D5WAQ0S3	S3	25.5	27.5
	6500	SPMWH22286D5WAP0S2	S2	23.0	25.0
		SPMWH22286D5WAP0S3	S3	25.0	27.0

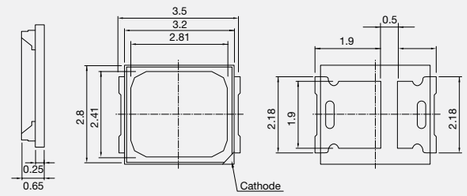
Mid Power LEDs

Component

LM282B

Designed for better lm/$

- 1W class mid power 6V LED
- Suitable for downlights, ambient lights & lamps
- Standard footprint: 2.8 mm x 3.5 mm

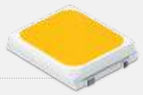


[150mA, 25°C]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
80+	2700	SPMWH1221FB5GBW0SA	SA	98	108
		SPMWH1221FB5GBW0SB	SB	108	118
	3000	SPMWH1221FB5GBV0SA	SA	100	110
		SPMWH1221FB5GBV0SB	SB	110	120
	3500	SPMWH1221FB5GBU0SA	SA	103	113
		SPMWH1221FB5GBU0SB	SB	113	123
	4000	SPMWH1221FB5GBT0SA	SA	105	115
		SPMWH1221FB5GBT0SB	SB	115	125
	5000	SPMWH1221FB5GBR0SA	SA	110	120
		SPMWH1221FB5GBR0SB	SB	120	130
	5700	SPMWH1221FB5GBQ0SA	SA	108	118
		SPMWH1221FB5GBQ0SB	SB	118	128
	6500	SPMWH1221FB5GBP0SA	SA	105	115
		SPMWH1221FB5GBP0SB	SB	115	125
90+	2700	SPMWH1221FB7GBW0SA	SA	85	95
		SPMWH1221FB7GBW0SB	SB	95	105
	3000	SPMWH1221FB7GBV0SA	SA	94	104
		SPMWH1221FB7GBV0SB	SB	104	114
	3500	SPMWH1221FB7GBU0SA	SA	96	106
		SPMWH1221FB7GBU0SB	SB	106	116
	4000	SPMWH1221FB7GBT0SA	SA	97	107
		SPMWH1221FB7GBT0SB	SB	107	117
	5000	SPMWH1221FB7GBR0SA	SA	99	109
		SPMWH1221FB7GBR0SB	SB	109	119
	5700	SPMWH1221FB7GBQ0SA	SA	97	107
		SPMWH1221FB7GBQ0SB	SB	107	117
	6500	SPMWH1221FB7GBP0SA	SA	96	106
		SPMWH1221FB7GBP0SB	SB	106	116

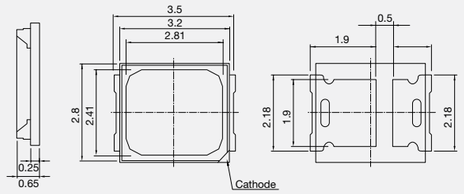
* Color coordinates: Considering the color shift during high temp. operation, provided at hot temp. color shift coordinates.

LM283B Plus



Designed for better lm/$

- 1W class mid power 9V LED
- Suitable for lamps & downlights
- Standard footprint: 2.8mm x 3.5mm



[100mA, 25°C]

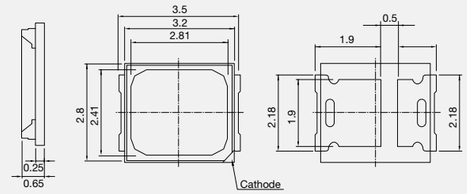
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
80+	2700	SPMWH1229AQ5SGW0SA	SA	103	113
		SPMWH1229AQ5SGW0SB	SB	111	121
	3000	SPMWH1229AQ5SGV0SA	SA	107	117
		SPMWH1229AQ5SGV0SB	SB	115	125
	3500	SPMWH1229AQ5SGU0SA	SA	109	119
		SPMWH1229AQ5SGU0SB	SB	117	127
	4000	SPMWH1229AQ5SGT0SA	SA	113	123
		SPMWH1229AQ5SGT0SB	SB	121	131
	5000	SPMWH1229AQ5SGR0SA	SA	115	125
		SPMWH1229AQ5SGR0SB	SB	123	133
	5700	SPMWH1229AQ5SGQ0SA	SA	114	124
		SPMWH1229AQ5SGQ0SB	SB	122	132
	6500	SPMWH1229AQ5SGP0SA	SA	113	123
		SPMWH1229AQ5SGP0SB	SB	121	131
90+	2700	SPMWH1229AQ7SGW0SA	SA	88	96
		SPMWH1229AQ7SGW0SB	SB	94	102
	3000	SPMWH1229AQ7SGV0SA	SA	91	99
		SPMWH1229AQ7SGV0SB	SB	98	106
	3500	SPMWH1229AQ7SGU0SA	SA	93	101
		SPMWH1229AQ7SGU0SB	SB	100	108
	4000	SPMWH1229AQ7SGT0SA	SA	96	104
		SPMWH1229AQ7SGT0SB	SB	103	111
	5000	SPMWH1229AQ7SGR0SA	SA	98	106
		SPMWH1229AQ7SGR0SB	SB	105	113
	5700	SPMWH1229AQ7SGQ0SA	SA	97	105
		SPMWH1229AQ7SGQ0SB	SB	104	112
	6500	SPMWH1229AQ7SGP0SA	SA	96	104
		SPMWH1229AQ7SGP0SB	SB	103	111

* Color coordinates: Considering the color shift during high temp. operation, provided at hot temp. color shift coordinates.

LM284B

Designed for better lm/$

- 1W class mid power 12V LED
- Suitable for lamps & downlights
- Standard footprint: 2.8mm x 3.5mm



[75mA, 25°C]

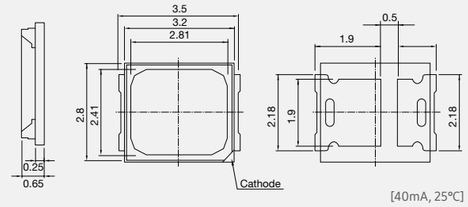
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
80+	2700	SPMWH122C7B5SHW0SB	SB	108	118
	3000	SPMWH122C7B5SHV0SB	SB	110	120
	3500	SPMWH122C7B5SHU0SB	SB	113	123
	4000	SPMWH122C7B5SHT0SB	SB	115	125
	5000	SPMWH122C7B5SHR0SB	SB	120	130
	5700	SPMWH122C7B5SHQ0SB	SB	118	128
	6500	SPMWH122C7B5SHP0SB	SB	115	125

* Color coordinates: Considering the color shift during high temp. operation, provided at hot temp. color shift coordinates.

LM286B Plus

Designed for better lm/$

- 1W class mid power 18V LED
- Suitable for lamps & downlights
- Standard footprint: 2.8mm x 3.5mm

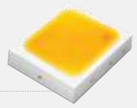


[40mA, 25°C]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Typ.
80+	2700	SPMWH12244Q5W8W0SA	SA	80	90
	3000	SPMWH12244Q5W8V0SA	SA	85	95
	3500	SPMWH12244Q5W8U0SA	SA	90	100
	4000	SPMWH12244Q5W8T0SA	SA	95	105
	5000	SPMWH12244Q5W8R0SA	SA	95	105
	5700	SPMWH12244Q5W8Q0SA	SA	95	105
	6500	SPMWH12244Q5W8P0SA	SA	92	102
90+	2700	SPMWH12244Q7W8W0SA	SA	65	75
	3000	SPMWH12244Q7W8V0SA	SA	69	79
	3500	SPMWH12244Q7W8U0SA	SA	74	84
	4000	SPMWH12244Q7W8T0SA	SA	78	88
	5000	SPMWH12244Q7W8R0SA	SA	78	88
	5700	SPMWH12244Q7W8Q0SA	SA	78	88
	6500	SPMWH12244Q7W8P0SA	SA	75	85

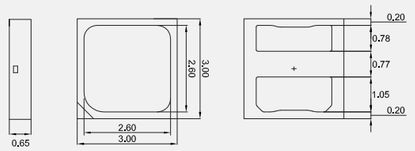
*Color coordinates: Considering the color shift during high temp. operation, provided at hot temp. color shift coordinates.

LM301A



Designed for best lm/$

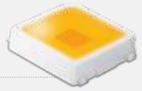
- Mid-high power LED
- EMC resin for high reliability
- Suitable for high bay lights & downlights
- Standard footprint: 3.0mm x 3.0mm



[150mA, 85°C]

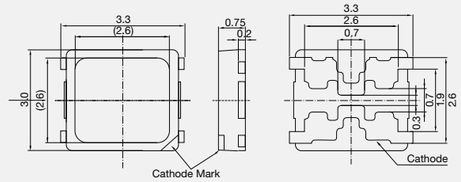
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	3000	SPMWHT328FD3WAV0S0	SE	58	62
			SF	62	66
	3500	SPMWHT328FD3WAU0S0	SE	58	62
			SF	62	66
	4000	SPMWHT328FD3WAT0S0	SF	62	66
			SG	66	70
	5000	SPMWHT328FD3WAR0S0	SF	62	66
			SG	66	70
80+	2700	SPMWHT328FD5WAW0S0	SC	50	54
			SD	54	58
	3000	SPMWHT328FD5WAV0S0	SD	54	58
			SE	58	62
	3500	SPMWHT328FD5WAU0S0	SE	58	62
			SF	62	66
	4000	SPMWHT328FD5WAT0S0	SE	58	62
			SF	62	66
	5000	SPMWHT328FD5WAR0S0	SE	58	62
			SF	62	66
	5700	SPMWHT328FD5WAQ0S0	SE	58	62
			SF	62	66
	6500	SPMWHT328FD5WAP0S0	SE	58	62
			SF	62	66
90+	2700	SPMWHT328FD7WAW0S0	SZ	38	42
			SA	42	46
	3000	SPMWHT328FD7WAV0S0	SA	42	46
			SB	46	50
	3500	SPMWHT328FD7WAU0S0	SA	42	46
			SB	46	50
	4000	SPMWHT328FD7WAT0S0	SB	46	50
			SC	50	54
	5000	SPMWHT328FD7WAR0S0	SA	42	46
			SB	46	50
	5700	SPMWHT328FD7WAQ0S0	SA	42	46
			SB	46	50
	6500	SPMWHT328FD7WAP0S0	SA	42	46
			SB	46	50

LM301B



High performance, highest lm/W for fluorescent lamp replacement

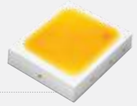
- 0.3W class mid power LED
- Highest efficacy: 220lm/W @65mA, 5000K, CRI 80
- Standard footprint: 3.0mm x 3.0mm



[65mA, 25°C]

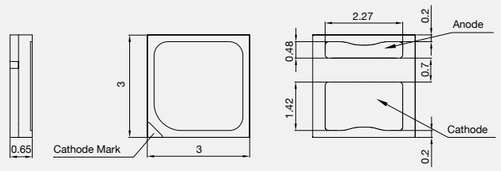
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
80+	2700	SPMWHT32AMD5WAW0S0	SG	30	32
			SH	32	34
			SJ	34	36
	3000	SPMWHT32AMD5WAV0S0	SH	32	34
			SJ	34	36
			SK	36	38
	3500	SPMWHT32AMD5WAU0S0	SH	32	34
			SJ	34	36
			SK	36	38
	4000	SPMWHT32AMD5WAT0S0	SJ	34	36
			SK	36	38
			SL	38	40
	5000	SPMWHT32AMD5WAR0S0	SJ	34	36
			SK	36	38
			SL	38	40
	5700	SPMWHT32AMD5WAQ0S0	SJ	34	36
			SK	36	38
			SL	38	40
	6500	SPMWHT32AMD5WAP0S0	SJ	34	36
			SK	36	38
			SL	38	40

LM302A



Designed for best lm/$

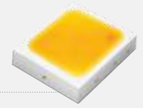
- 1W class mid-high power 6V LED
- EMC resin for high reliability
- Suitable for lamps & downlights
- Standard footprint: 3.0mm x 3.0mm



[150mA, 25℃ (CRI 70 – 80), 85℃ (CRI 90)]

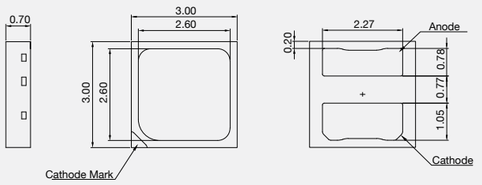
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	3000	SPMWHT327FD3GBV0S0	S3	112	120
			S4	120	128
	4000	SPMWHT327FD3GBT0S0	S3	117	125
			S4	125	133
	5000	SPMWHT327FD3GBR0S0	S3	121	129
			S4	129	137
	5700	SPMWHT327FD3GBQ0S0	S3	119	127
			S4	127	135
80+	2700	SPMWHT327FD5GBW0S0	S3	110	118
			S4	118	126
	3000	SPMWHT327FD5GBV0S0	S3	112	120
			S4	120	128
	3500	SPMWHT327FD5GBU0S0	S3	115	123
			S4	123	131
	4000	SPMWHT327FD5GBT0S0	S3	117	125
			S4	125	133
	5000	SPMWHT327FD5GBR0S0	S3	121	129
			S4	129	137
	5700	SPMWHT327FD5GBQ0S0	S3	119	127
			S4	127	135
	6500	SPMWHT327FD5GBP0S0	S3	117	125
			S4	125	133
90+	2700	SPMWHT327FD7YBW0S0	S1	80	88
			S2	88	96
	3000	SPMWHT327FD7YBV0S0	S1	85	93
			S2	93	101
	3500	SPMWHT327FD7YBU0S0	S1	87	95
			S2	95	103
	4000	SPMWHT327FD7YBT0S0	S1	89	97
			S2	97	105
	5000	SPMWHT327FD7YBR0S0	S1	87	95
			S2	95	103
	5700	SPMWHT327FD7YBQ0S0	S1	85	93
			S2	93	101
	6500	SPMWHT327FD7YBP0S0	S1	83	91
			S2	91	99

LM302B



Designed for best lm/$

- Superior mid power LED with a wide over-drive range up to 1.5W
- Mold resin for high reliability
- Suitable for high/low bay lightings & downlights
- Design flexible foorprint: 3.0mm × 3.0mm



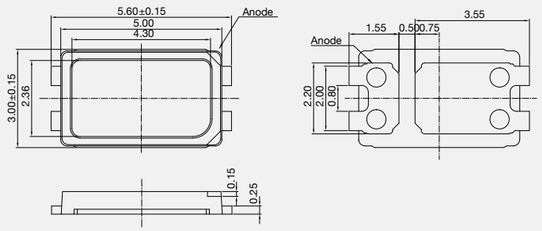
[150mA, 85℃]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	3000	SPMWHT329FD3YBV0S0	SD	106	115
			SE	115	124
	3500	SPMWHT329FD3YBU0S0	SD	106	115
			SE	115	124
	4000	SPMWHT329FD3YBT0S0	SE	115	124
			SF	124	133
	5000	SPMWHT329FD3YBR0S0	SE	115	124
			SF	124	133
80+	2700	SPMWHT329FD5YBW0S0	SC	97	106
			SD	106	115
	3000	SPMWHT329FD5YBV0S0	SC	97	106
			SD	106	115
	3500	SPMWHT329FD5YBU0S0	SD	106	115
			SE	115	124
	4000	SPMWHT329FD5YBT0S0	SE	115	124
			SF	124	133
	5000	SPMWHT329FD5YBR0S0	SE	115	124
			SF	124	133
	5700	SPMWHT329FD5YBQ0S0	SE	115	124
			SF	124	133
	6500	SPMWHT329FD5YBP0S0	SE	115	124
			SF	124	133
90+	2700	SPMWHT329FD7YBW0S0	SZ	70	79
			SA	79	88
	3000	SPMWHT329FD7YBV0S0	SA	79	88
			SB	88	97
	3500	SPMWHT329FD7YBU0S0	SB	88	97
			SC	97	106
	4000	SPMWHT329FD7YBT0S0	SB	88	97
			SC	97	106
	5000	SPMWHT329FD7YBR0S0	SB	88	97
			SC	97	106
	5700	SPMWHT329FD7YBQ0S0	SA	79	88
			SB	88	97
	6500	SPMWHT329FD7YBP0S0	SA	79	88
			SB	88	97

LM561B Plus

Improved efficacy and perfomance of LM561B to provide better solution

- 0.3 W class mid power LED
- High efficacy for distributed light
- Standard footprint: 5.6mm x 3.0mm



[65mA, 25°C]

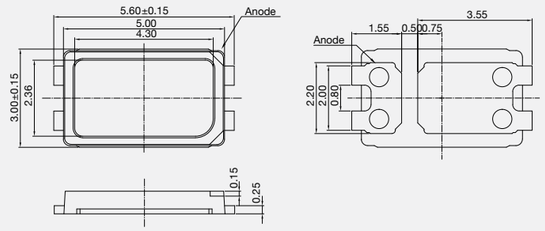
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SPMWHT541MP3WAV0S0	S5	32	34
			S6	34	36
			S7	36	38
	3000	SPMWHT541MP3WAV0S0	S5	32.5	34.5
			S6	34.5	36.5
			S7	36.5	38.5
	3500	SPMWHT541MP3WAU0S0	S5	33	35
			S6	35	37
			S7	37	39
	4000	SPMWHT541MP3WAT0S0	S5	34	35.8
			S6	35.8	38
			S7	38	40
	5000	SPMWHT541MP3WAR0S0	S4	33	35
			S5	35	37
			S6	37	39
80+	2700	SPMWHT541MP5WAW0S0	S4	30	32
			S5	32	34
	3000	SPMWHT541MP5WAV0S0	S4	30.5	32.5
			S5	32.5	34.5
	3500	SPMWHT541MP5WAU0S0	S4	31	33
			S5	33	35
	4000	SPMWHT541MP5WAT0S0	S4	32	34
			S5	34	36
	5000	SPMWHT541MP5WAR0S0	S4	33	35
			S5	35	37
	5700	SPMWHT541MP5WAQ0S0	S4	32.5	34.5
			S5	34.5	36.5
	6500	SPMWHT541MP5WAP0S0	S4	32	34
			S5	34	36

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
80+ MacAdam 3 step	2700	SPMWHT541MP5WAWUS0	S4	30	32
			S5	32	34
	3000	SPMWHT541MP5WAVUS0	S4	30.5	32.5
			S5	32.5	34.5
	3500	SPMWHT541MP5WAUUS0	S4	31	33
			S5	33	35
	4000	SPMWHT541MP5WATUS0	S4	32	34
			S5	34	36
	5000	SPMWHT541MP5WARUS0	S4	33	35
			S5	35	37
	5700	SPMWHT541MP5WAQUS0	S4	32.5	34.5
			S5	34.5	36.5
	6500	SPMWHT541MP5WAPUS0	S4	32	34
			S5	34	36
90+	2700	SPMWHT541MP7WAW0S0	S1	24	26
			S2	26	28
	3000	SPMWHT541MP7WAV0S0	S1	24.5	26.5
			S2	26.5	28.5
	3500	SPMWHT541MP7WAU0S0	S1	25	27
			S2	27	29
	4000	SPMWHT541MP7WAT0S0	S1	26	28
			S2	28	30
	5000	SPMWHT541MP7WAR0S0	SZ	25	27
			S1	27	29
			S2	29	31
	5700	SPMWHT541MP7WAQ0S0	SZ	24.5	26.5
			S1	26.5	28.5
			S2	28.5	30.5
	6500	SPMWHT541MP7WAP0S0	SZ	24	26
			S1	26	28
			S2	28	30
90+ High Efficacy	2700	SPMWHT541MH7WAW0SB	S0	26	30
			SB	26	28
			SC	28	30
	3000	SPMWHT541MH7WAV0SB	S0	27	31
			SB	27	29
			SC	29	31
	3500	SPMWHT541MH7WAU0SB	S0	28	32
			SB	28	30
			SC	30	32
	4000	SPMWHT541MH7WAT0SB	S0	29	33
			SB	29	31
			SC	31	33
	5000	SPMWHT541MH7WAR0SB	S0	30	34
			SB	30	32
			SC	32	34
	5700	SPMWHT541MH7WAQ0SB	S0	29	33
			SB	29	31
			SC	31	33
	6500	SPMWHT541MH7WAP0SB	S0	28	32
			SB	28	30
			SC	30	32

LM561C

High performance, highest lm/W for fluorescent lamp replacement

- 0.3W class mid power LED
- Highest efficacy: 210lm/W @65mA, 5000K, CRI 80
- Standard footprint: 5.6mm x 3.0mm



[65mA, 25°C]

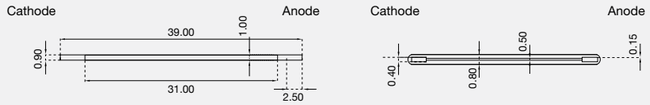
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	3000	SPMWHT541ML3XAV0S0	S5	32.5	34.5
			S6	34.5	36.5
			S7	36.5	38.5
	3500	SPMWHT541ML3XAU0S0	S5	33	35
			S6	35	37
			S7	37	39
	4000	SPMWHT541ML3XAT0S0	S5	34	36
			S6	36	38
			S7	38	40
	5000	SPMWHT541ML3XAR0S0	S5	35	37
			S6	37	39
			S7	39	41
80+	2700	SPMWHT541ML5XAW0S0	S4	30	32
			S5	32	34
	3000	SPMWHT541ML5XAV0S0	S4	30.5	32.5
			S5	32.5	34.5
			S6	34.5	36.5
	3500	SPMWHT541ML5XAU0S0	S4	31	33
			S5	33	35
			S6	35	37
	4000	SPMWHT541ML5XAT0S0	S4	32	34
			S5	34	36
			S6	36	38
	5000	SPMWHT541ML5XAR0S0	S4	33	35
			S5	35	37
			S6	37	39
	5700	SPMWHT541ML5XAQ0S0	S4	32.5	34.5
			S5	34.5	36.5
			S6	36.5	38.5
	6500	SPMWHT541ML5XAP0S0	S4	32	34
			S5	34	36
			S6	36	38

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
90+	2700	SPMWHT541ML7XAW0S0	S1	24	26
			S2	26	28
			S3	28	30
	3000	SPMWHT541ML7XAV0S0	S1	24.5	26.5
			S2	26.5	28.5
			S3	28.5	30.5
	3500	SPMWHT541ML7XAU0S0	S1	25	27
			S2	27	29
			S3	29	31
	4000	SPMWHT541ML7XAT0S0	S1	26	28
			S2	28	30
			S3	30	32
	5000	SPMWHT541ML7XAR0S0	S1	27	29
			S2	29	31
	5700	SPMWHT541ML7XAQ0S0	S1	26.5	28.5
			S2	28.5	30.5
	6500	SPMWHT541ML7XAP0S0	S1	26	28
			S2	28	30

Filament LEDs

Filament LED for decorative and general lighting bulbs

- Aesthetic appearance
- Large freedom in bulb design
- Wide viewing angle: 360°
- Dimension: 39mm x 1mm



LF007A

[25°C]

CRI	CCT (K)	Luminous Flux (lm)		IF (mA)	Substrate	1V Sorting	Part Number
		Min.	Max.				
80	2700	90	106	10	Ceramic	O	SPMWHTFM31D523WTFY
		97	113	10	Sapphire	O	SPMWH1FM31D523WTFY

LF009A

[25°C]

CRI	CCT (K)	Luminous Flux (lm)		IF (mA)	Substrate	1V Sorting	Part Number
		Min.	Max.				
80	2700	132	148	10	Sapphire	O	SPMWHTFM31D545WTKY
						-	SPMWH1FM31D545WTKY

LF010A

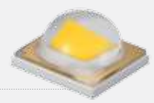
[25°C]

CRI	CCT (K)	Luminous Flux (lm)		IF (mA)	Substrate	1V Sorting	Part Number
		Min.	Max.				
80	2700	162	190	15	Sapphire	O	SPMWHTFM3RD524WTR1

High Power LEDs

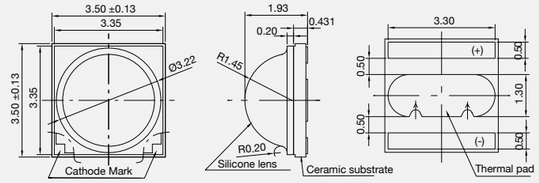
Component

LH351B



High performance for outdoor & directional lighting application

- Operates at a maximum current of up to 1.5A
- High efficacy outdoor solution (Delivering set efficacy over 110lm/W @700mA)
- Excellent efficacy: 172lm/W @350mA, 85°C, 5000K
- LM80 Certified @1A, 105°C (Ts) (L70>60,000 @ 1A)
- Footprint: 3.5mm x 3.5mm

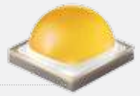


[350mA, 85°C]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	3000	SPHWH2L3D30CD4V0K3	K1, M1, N1	130	160
		SPHWH2L3D30CD4V0M3	M1, N1, P1	140	170
		SPHWH2L3D30CD4V0N3	N1, P1, Q1	150	180
	3500	SPHWH2L3D30CD4U0K3	K1, M1, N1	130	160
		SPHWH2L3D30CD4U0M3	M1, N1, P1	140	170
	4000	SPHWH2L3D30CD4T0M3	M1, N1, P1	140	170
		SPHWH2L3D30CD4T0N3	N1, P1, Q1	150	180
		SPHWH2L3D30CD4T0P3	P1, Q1, R1	160	190
	5000	SPHWH2L3D30CD4RTM3	M1, N1, P1	140	170
		SPHWH2L3D30CD4RTN3	N1, P1, Q1	150	180
		SPHWH2L3D30CD4RTP3	P1, Q1, R1	160	190
	5700	SPHWH2L3D30CD4QTM3	M1, N1, P1	140	170
		SPHWH2L3D30CD4QTN3	N1, P1, Q1	150	180
		SPHWH2L3D30CD4QTP3	P1, Q1, R1	160	190
	6500	SPHWH2L3D30CD4PTM3	M1, N1, P1	140	170
		SPHWH2L3D30CD4PTN3	N1, P1, Q1	150	180
75+	5000	SPHWH1L3D30DD4RTM3	M1, N1, P1	140	170
		SPHWH1L3D30DD4RTN3	N1, P1, Q1	150	180
		SPHWH1L3D30DD4RTP3	P1, Q1, R1	160	190
	5700	SPHWH1L3D30DD4QTM3	M1, N1, P1	140	170
		SPHWH1L3D30DD4QTN3	N1, P1, Q1	150	180
		SPHWH1L3D30DD4QTP3	P1, Q1, R1	160	190
80+	2700	SPHWH2L3D30ED4W0H3	H1, J1, K1	110	140
		SPHWH2L3D30ED4W0J3	J1, K1, M1	120	150
		SPHWH2L3D30ED4W0K3	K1, M1, N1	130	160
	3000	SPHWH2L3D30ED4V0H3	H1, J1, K1	110	140
		SPHWH2L3D30ED4V0J3	J1, K1, M1	120	150
		SPHWH2L3D30ED4V0K3	K1, M1, N1	130	160
	3500	SPHWH2L3D30ED4U0J3	J1, K1, M1	120	150
		SPHWH2L3D30ED4U0K3	K1, M1, N1	130	160
	4000	SPHWH2L3D30ED4T0J3	J1, K1, M1	120	150
		SPHWH2L3D30ED4T0K3	K1, M1, N1	130	160
		SPHWH2L3D30ED4T0M3	M1, N1, P1	140	170

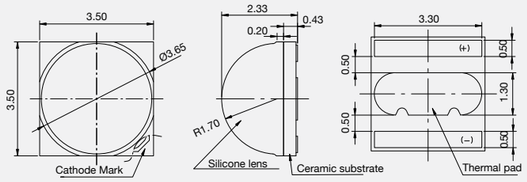
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
80+	5000	SPHWH2L3D30ED4RTK3	K1, M1, N1	130	160
		SPHWH2L3D30ED4RTM3	M1, N1, P1	140	170
	5700	SPHWH2L3D30ED4QTK3	K1, M1, N1	130	160
		SPHWH2L3D30ED4QTM3	M1, N1, P1	140	170
	6000	SPHWH2L3D30ED4PQK3	K1, M1, N1	130	160
		SPHWH2L3D30ED4PQM3	M1, N1, P1	140	170
	6500	SPHWH2L3D30ED4PTK3	K1, M1, N1	130	160
		SPHWH2L3D30ED4PTM3	M1, N1, P1	140	170
90+	2700	SPHWH2L3D30GD4W0F3	F1, G1, H1	90	120
	3000	SPHWH2L3D30GD4V0F3	F1, G1, H1	90	120
	3500	SPHWH2L3D30GD4U0G3	G1, H1, J1	100	130
	3500	SPHWH2L3D30GD4U0H3	H1, J1, K1	110	140

LH351C



High performance for outdoor & directional lighting application

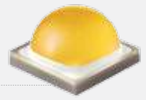
- Operates at a maximum current of up to 2.0 A
- High efficacy outdoor solution (Delivering set efficacy over 120lm/W @700mA)
- Excellent efficacy: 160lm/W @700mA, 85°C
- Footprint: 3.5mm x 3.5mm



[700mA, 85°C]

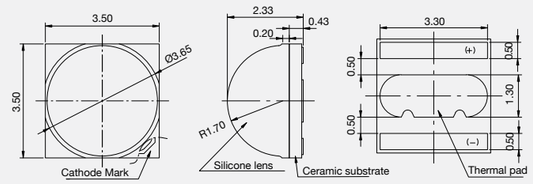
CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SPHWHTL3D50CE4W0K6	K2, M2, N2	260	320
	3000	SPHWHTL3D50CE4V0K6	K2, M2, N2	260	320
	3500	SPHWHTL3D50CE4U0K6	K2, M2, N2	260	320
	4000	SPHWHTL3D50CE4T0M6	M2, N2, P2	280	340
	5000	SPHWHTL3D50CE4RTM6	M2, N2, P2	280	340
	5700	SPHWHTL3D50CE4QTM6	M2, N2, P2	280	340
	6500	SPHWHTL3D50CE4PTM6	M2, N2, P2	280	340
80+	2700	SPHWHTL3D50EE4W0J6	J2, K2, M2	240	300
	3000	SPHWHTL3D50EE4V0J6	J2, K2, M2	240	300
	4000	SPHWHTL3D50EE4T0J6	J2, K2, M2	240	300
	5000	SPHWHTL3D50EE4RTK6	K2, M2, N2	260	320
	5700	SPHWHTL3D50EE4QTK6	K2, M2, N2	260	320
90+	2700	SPHWHTL3D50GE4W0F6	-	180	240
	3000	SPHWHTL3D50GE4V0F6	F2, G2, H2	180	240
	3500	SPHWHTL3D50GE4U0G6	G2, H2, J2	200	260
	4000	SPHWHTL3D50GE4T0G6	G2, H2, J2	200	260

LH351D



High performance for outdoor & directional lighting application

- Operates at a maximum current of up to 3.0A
- High efficacy outdoor solution (Delivering set efficacy over 120lm/W @1050mA)
- Higher TLCI value with CRI90 line-up for broadcase use (Stadium/Arena lighting)
- Footprint: 3.5mm x 3.5mm



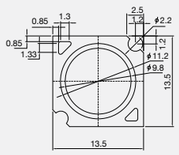
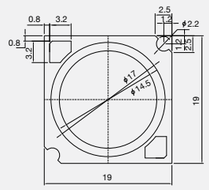
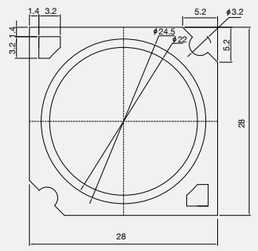
[1050mA, 85°C]

CRI	CCT (K)	Part Number	Luminous Flux (lm)		
			Bin	Min.	Max.
70+	2700	SPHWHTL3DA0CF4W0S6	S2, T2, U2	380	440
		SPHWHTL3DA0CF4W0T6	T2, U2, V2	400	460
	3000	SPHWHTL3DA0CF4V0T6	T2, U2, V2	400	460
		SPHWHTL3DA0CF4V0U6	U2, V2, W2	420	480
	3500	SPHWHTL3DA0CF4U0T6	T2, U2, V2	400	460
		SPHWHTL3DA0CF4U0U6	U2, V2, W2	420	480
	4000	SPHWHTL3DA0CF4T0U6	U2, V2, W2	420	480
		SPHWHTL3DA0CF4T0V6	V2, W2, Y2	440	500
	5000	SPHWHTL3DA0CF4RTU6	U2, V2, W2	420	480
		SPHWHTL3DA0CF4RTV6	V2, W2, Y2	440	500
	5700	SPHWHTL3DA0CF4QTU6	U2, V2, W2	420	480
		SPHWHTL3DA0CF4QTV6	V2, W2, Y2	440	500
	6500	SPHWHTL3DA0CF4PTU6	U2, V2, W2	420	480
		SPHWHTL3DA0CF4PTV6	V2, W2, Y2	440	500
75+	5000	SPHWHTL3DA0DF4RTT6	T2, U2, V2	400	460
		SPHWHTL3DA0DF4RTU6	U2, V2, W2	420	480
	5700	SPHWHTL3DA0DF4QTT6	T2, U2, V2	400	460
		SPHWHTL3DA0DF4QTU6	U2, V2, W2	420	480
80+	2700	SPHWHTL3DA0EF4W0R6	R2, S2, T2	360	420
	3000	SPHWHTL3DA0EF4V0R6	R2, S2, T2	360	420
	3500	SPHWHTL3DA0EF4U0S6	S2, T2, U2	380	440
	4000	SPHWHTL3DA0EF4T0S6	S2, T2, U2	380	440
	5000	SPHWHTL3DA0EF4RTT6	T2, U2, V2	400	460
	5300	SPHWHTL3DA0EF4QRT6	T2, U2, V2	400	460
	5700	SPHWHTL3DA0EF4QTT6	T2, U2, V2	400	460
	6000	SPHWHTL3DA0EF4PQT6	T2, U2, V2	400	460
90+	2700	SPHWHTL3DA0GF4W0M6	M2, N2, P2	280	340
	3000	SPHWHTL3DA0GF4V0N6	N2, P2, Q2	300	360
	3500	SPHWHTL3DA0GF4U0N6	N2, P2, Q2	300	360
	4000	SPHWHTL3DA0GF4T0P6	P2, Q2, R2	320	380
	5000	SPHWHTL3DA0GF4RTR6	R2, S2, T2	360	420
	6000	SPHWHTL3DA0GF4PQR6	R2, S2, T2	360	420

D Series Gen 2

Full line-up for various applications: MR/PAR, Spotlights, Downlights & High bay lights

- Industry-leading light efficacy in COB lineups
- Better thermal resistance than Gen 1
- High reliability satisfying DLC Premium standards

Ti = 85°C	LC003D Gen2	LC006D Gen2	LC009D Gen2	LC013D Gen2	LC016D Gen2	LC019D Gen2	LC026D Gen2	LC033D Gen2	LC040D Gen2	LC060D Gen2	LC080D Gen2
											
LES	9.8mm				14.5mm				22 mm		
Typical	34.6 V									52 V	
	3.1 W (90 mA)	6.2 W (180 mA)	9.4 W (270 mA)	12.5 W (360 mA)	15.6 W (450 mA)	18.7 W (540 mA)	24.9 W (720 mA)	31.1W (900 mA)	37.4 W (1,080 mA)	56.1 W (1,080 mA)	84.2 W (1,620 mA)
Max.	8.6 W (230 mA)	17.2W (460 mA)	25.9 W (690 mA)	34.5 W (920 mA)	43.1 W (1,150 mA)	51.8 W (1,380 mA)	69 W (1,840 mA)	86.2 W (2,300 mA)	103.5 W (2,760 mA)	143.4 W (2,760 mA)	215 W (4,140 mA)
Dimension											
Size	13.5mm x 13.5mm				19mm x 19mm				28mm x 28mm		

Product	CRI	CCT (K)	Part Number	Ti = 85°C		IF (mA)
				Luminous Flux Typ. (lm)	Luminous Efficacy Typ. (lm/W)	
 LC003D Gen2	80+	2700	SPHWHAHDNA25YZW3D2	459	147	90
		3000	SPHWHAHDNA25YZV3D2	483	155	
		3500	SPHWHAHDNA25YZU3D2	501	161	
		4000	SPHWHAHDNA25YZT3D2	507	163	
		5000	SPHWHAHDNA25YZR3D2	513	165	
		5700	SPHWHAHDNA25YZQ3D2	513	165	
		6500	SPHWHAHDNA25YZP3D2	507	163	
	90+	2700	SPHWHAHDNA27YZW3D2	388	124	
		3000	SPHWHAHDNA27YZV3D2	406	130	
		3500	SPHWHAHDNA27YZU3D2	419	135	
		4000	SPHWHAHDNA27YZT3D2	427	137	
		5000	SPHWHAHDNA27YZR3D2	430	138	
 LC006D Gen2	80+	2700	SPHWHAHDNB25YZW3D2	924	148	180
		3000	SPHWHAHDNB25YZV3D2	971	156	
		3500	SPHWHAHDNB25YZU3D2	1,001	161	
		4000	SPHWHAHDNB25YZT3D2	1,024	164	
		5000	SPHWHAHDNB25YZR3D2	1,030	165	
		5700	SPHWHAHDNB25YZQ3D2	1,030	165	
		6500	SPHWHAHDNB25YZP3D2	1,018	164	
	90+	2700	SPHWHAHDNB27YZW3D2	786	126	
		3000	SPHWHAHDNB27YZV3D2	824	132	
		3500	SPHWHAHDNB27YZU3D2	853	137	
		4000	SPHWHAHDNB27YZT3D2	870	140	
		5000	SPHWHAHDNB27YZR3D2	874	140	
 LC009D Gen2	80+	2700	SPHWHAHDNC25YZW3D2	1,342	144	270
		3000	SPHWHAHDNC25YZV3D2	1,418	152	
		3500	SPHWHAHDNC25YZU3D2	1,459	156	
		4000	SPHWHAHDNC25YZT3D2	1,494	160	
		5000	SPHWHAHDNC25YZR3D2	1,506	161	
		5700	SPHWHAHDNC25YZQ3D2	1,506	161	
		6500	SPHWHAHDNC25YZP3D2	1,488	159	
	90+	2700	SPHWHAHDNC27YZW3D2	1,152	123	
		3000	SPHWHAHDNC27YZV3D2	1,206	129	
		3500	SPHWHAHDNC27YZU3D2	1,245	133	
		4000	SPHWHAHDNC27YZT3D2	1,273	136	
		5000	SPHWHAHDNC27YZR3D2	1,278	137	
 LC013D Gen2	80+	2700	SPHWHAHDND25YZW3D2	1,764	142	360
		3000	SPHWHAHDND25YZV3D2	1,857	149	
		3500	SPHWHAHDND25YZU3D2	1,915	154	
		4000	SPHWHAHDND25YZT3D2	1,950	157	
		5000	SPHWHAHDND25YZR3D2	1,967	158	
		5700	SPHWHAHDND25YZQ3D2	1,967	158	
		6500	SPHWHAHDND25YZP3D2	1,938	156	
	90+	2700	SPHWHAHDND27YZW3D2	1,509	121	
		3000	SPHWHAHDND27YZV3D2	1,580	127	
		3500	SPHWHAHDND27YZU3D2	1,635	131	
		4000	SPHWHAHDND27YZT3D2	1,670	134	
		5000	SPHWHAHDND27YZR3D2	1,674	134	

Chip-on-Board LEDs

Product	CRI	CCT (K)	Part Number	Ti = 85°C Luminous Flux Typ. (lm)	Ti = 85°C Luminous Efficacy Typ. (lm/W)	IF (mA)
 LC016D Gen2	80+	2700	SPHWHAHDNE25YZW3D2	2,293	147	450
		3000	SPHWHAHDNE25YZV3D2	2,423	156	
		3500	SPHWHAHDNE25YZU3D2	2,513	161	
		4000	SPHWHAHDNE25YZT3D2	2,558	164	
		5000	SPHWHAHDNE25YZR3D2	2,581	166	
		5700	SPHWHAHDNE25YZQ3D2	2,581	166	
		6500	SPHWHAHDNE25YZP3D2	2,558	164	
	90+	2700	SPHWHAHDNE27YZW3D2	1,967	126	
		3000	SPHWHAHDNE27YZV3D2	2,084	134	
		3500	SPHWHAHDNE27YZU3D2	2,146	138	
		4000	SPHWHAHDNE27YZT3D2	2,189	141	
		5000	SPHWHAHDNE27YZR3D2	2,209	142	
 LC019D Gen2	80+	2700	SPHWHAHDNF25YZW3D2	2,728	146	540
		3000	SPHWHAHDNF25YZV3D2	2,877	154	
		3500	SPHWHAHDNF25YZU3D2	2,965	159	
		4000	SPHWHAHDNF25YZT3D2	3,026	162	
		5000	SPHWHAHDNF25YZR3D2	3,059	164	
		5700	SPHWHAHDNF25YZQ3D2	3,059	164	
		6500	SPHWHAHDNF25YZP3D2	3,026	162	
	90+	2700	SPHWHAHDNF27YZW3D2	2,336	125	
		3000	SPHWHAHDNF27YZV3D2	2,449	131	
		3500	SPHWHAHDNF27YZU3D2	2,539	136	
		4000	SPHWHAHDNF27YZT3D2	2,594	139	
		5000	SPHWHAHDNF27YZR3D2	2,596	139	
 LC026D Gen2	80+	2700	SPHWHAHDNG25YZW3D2	3,580	144	720
		3000	SPHWHAHDNG25YZV3D2	3,762	151	
		3500	SPHWHAHDNG25YZU3D2	3,872	155	
		4000	SPHWHAHDNG25YZT3D2	3,950	159	
		5000	SPHWHAHDNG25YZR3D2	3,983	160	
		5700	SPHWHAHDNG25YZQ3D2	3,983	160	
		6500	SPHWHAHDNG25YZP3D2	3,950	159	
	90+	2700	SPHWHAHDNG27YZW3D2	3,064	123	
		3000	SPHWHAHDNG27YZV3D2	3,223	129	
		3500	SPHWHAHDNG27YZU3D2	3,319	133	
		4000	SPHWHAHDNG27YZT3D2	3,387	136	
		5000	SPHWHAHDNG27YZR3D2	3,416	137	
 LC033D Gen2	80+	2700	SPHWHAHDNH25YZW3D2	4,418	142	900
		3000	SPHWHAHDNH25YZV3D2	4,643	149	
		3500	SPHWHAHDNH25YZU3D2	4,779	153	
		4000	SPHWHAHDNH25YZT3D2	4,875	157	
		5000	SPHWHAHDNH25YZR3D2	4,916	158	
		5700	SPHWHAHDNH25YZQ3D2	4,916	158	
		6500	SPHWHAHDNH25YZP3D2	4,875	157	
	90+	2700	SPHWHAHDNH27YZW3D2	3,781	121	
		3000	SPHWHAHDNH27YZV3D2	3,977	128	
		3500	SPHWHAHDNH27YZU3D2	4,096	132	
		4000	SPHWHAHDNH27YZT3D2	4,180	134	
		5000	SPHWHAHDNH27YZR3D2	4,216	135	

Component

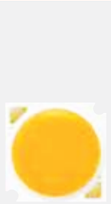
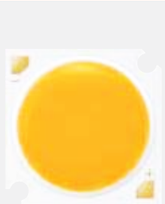
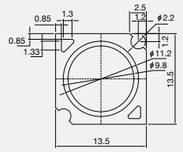
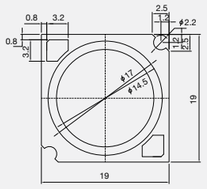
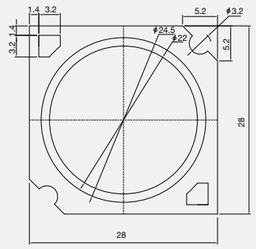
Chip-on-Board LEDs

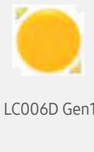
Product	CRI	CCT (K)	Part Number	Ti = 85°C Luminous Flux Typ. (lm)	Ti = 85°C Luminous Efficacy Typ. (lm/W)	IF (mA)
 LC040D Gen2	70+	3000	SPHWHAHDNK23YZV3D2	6,304	169	1080
		4000	SPHWHAHDNK23YZT3D2	6,506	174	
		5000	SPHWHAHDNK23YZR3D2	6,607	177	
	80+	2700	SPHWHAHDNK25YZW3D2	5,547	148	
		3000	SPHWHAHDNK25YZV3D2	5,837	156	
		3500	SPHWHAHDNK25YZU3D2	6,016	161	
		4000	SPHWHAHDNK25YZT3D2	6,146	164	
		5000	SPHWHAHDNK25YZR3D2	6,175	165	
		5700	SPHWHAHDNK25YZQ3D2	6,205	166	
		6500	SPHWHAHDNK25YZP3D2	6,138	164	
	90+	2700	SPHWHAHDNK27YZW3D2	4,755	127	
		3000	SPHWHAHDNK27YZV3D2	5,024	134	
		3500	SPHWHAHDNK27YZU3D2	5,152	138	
		4000	SPHWHAHDNK27YZT3D2	5,266	141	
		5000	SPHWHAHDNK27YZR3D2	5,325	143	
 LC060D Gen2	70+	3000	SPHWHAHDNL231ZV3D2	9,225	164	1080
		4000	SPHWHAHDNL231ZT3D2	9,521	170	
		5000	SPHWHAHDNL231ZR3D2	9,668	172	
	80+	2700	SPHWHAHDNL251ZW3D2	8,107	144	
		3000	SPHWHAHDNL251ZV3D2	8,542	152	
		3500	SPHWHAHDNL251ZU3D2	8,812	157	
		4000	SPHWHAHDNL251ZT3D2	8,995	160	
		5000	SPHWHAHDNL251ZR3D2	9,039	161	
		5700	SPHWHAHDNL251ZQ3D2	9,084	162	
		6500	SPHWHAHDNL271ZP3D2	8,990	160	
 LC080D Gen2	70+	3000	SPHWHAHDNM231ZV3D2	13,465	160	1620
		4000	SPHWHAHDNM231ZT3D2	13,896	165	
		5000	SPHWHAHDNM231ZR3D2	14,112	168	
	80+	2700	SPHWHAHDNM251ZW3D2	11,815	140	
		3000	SPHWHAHDNM251ZV3D2	12,468	148	
		3500	SPHWHAHDNM251ZU3D2	12,852	153	
		4000	SPHWHAHDNM251ZT3D2	13,123	156	
		5000	SPHWHAHDNM251ZR3D2	13,196	157	
		5700	SPHWHAHDNM251ZQ3D2	14,037	167	
		6500	SPHWHAHDNM251ZP3D2	14,702	175	

D Series Gen 1

Full line-up for various applications: MR/PAR, spot lights, downlights & flood lights

- Chip-on-Board (COB) solution makes it easy to design in
- Simple assembly reduces manufacturing & tooling cost
- Low thermal resistance
- Completed 6,000 hours of LM-80 testing

Ti = 85°C	LC003D Gen1	LC006D Gen1	LC009D Gen1	LC013D Gen1	LC016D Gen1	LC019D Gen1	LC026D Gen1	LC040D Gen1	LC060D Gen1	LC080D Gen1
										
LES	9.8mm				14.5mm			22 mm		
Typical	34.6 V								52 V	
	3.1 W (90 mA)	6.2 W (180 mA)	9.4 W (270 mA)	12.5 W (360 mA)	15.6 W (450 mA)	18.7 W (540 mA)	24.9 W (720 mA)	37.4 W (1,080 mA)	56.1 W (1,080 mA)	84.2 W (1,620 mA)
Max.	8.6 W (230 mA)	17.2W (460 mA)	25.9 W (690 mA)	34.5 W (920 mA)	43.1 W (1,150 mA)	51.8 W (1,380 mA)	69 W (1,840 mA)	103.5 W (2,760 mA)	143.4 W (2,760 mA)	215 W (4,140 mA)
Dimension										
Size	13.5mm x 13.5mm				19mm x 19mm			28mm x 28mm		

Product	CRI	CCT (K)	Part Number	Ti = 85°C		IF (mA)
				Luminous Flux Typ. (lm)	Luminous Efficacy Typ. (lm/W)	
 LC003D Gen1	80+	2700	SPHWHAHDNA25YZW3D1	434	139	90
		3000	SPHWHAHDNA25YZV3D1	457	147	
		3500	SPHWHAHDNA25YZU3D1	474	152	
		4000	SPHWHAHDNA25YZT3D1	480	154	
		5000	SPHWHAHDNA25YZR3D1	485	156	
		5700	SPHWHAHDNA25YZQ3D1	485	156	
		6500	SPHWHAHDNA25YZP3D1	480	154	
	90+	2700	SPHWHAHDNA27YZW3D1	367	118	
		3000	SPHWHAHDNA27YZV3D1	384	123	
		3500	SPHWHAHDNA27YZU3D1	396	127	
		4000	SPHWHAHDNA27YZT3D1	404	130	
 LC006D Gen1	80+	2700	SPHWHAHDNB25YZW3D1	874	140	180
		3000	SPHWHAHDNB25YZV3D1	919	148	
		3500	SPHWHAHDNB25YZU3D1	947	152	
		4000	SPHWHAHDNB25YZT3D1	969	156	
		5000	SPHWHAHDNB25YZR3D1	975	157	
		5700	SPHWHAHDNB25YZQ3D1	975	157	
		6500	SPHWHAHDNB25YZP3D1	964	155	
	90+	2700	SPHWHAHDNB27YZW3D1	744	119	
		3000	SPHWHAHDNB27YZV3D1	780	125	
		3500	SPHWHAHDNB27YZU3D1	768	123	
		4000	SPHWHAHDNB27YZT3D1	784	126	
 LC009D Gen1	80+	2700	SPHWHAHDNC25YZW3D1	1270	136	270
		3000	SPHWHAHDNC25YZV3D1	1342	144	
		3500	SPHWHAHDNC25YZU3D1	1381	148	
		4000	SPHWHAHDNC25YZT3D1	1414	151	
		5000	SPHWHAHDNC25YZR3D1	1425	153	
		5700	SPHWHAHDNC25YZQ3D1	1425	153	
		6500	SPHWHAHDNC25YZP3D1	1408	151	
	90+	2700	SPHWHAHDNC27YZW3D1	1090	117	
		3000	SPHWHAHDNC27YZV3D1	1141	122	
		3500	SPHWHAHDNC27YZU3D1	1178	126	
		4000	SPHWHAHDNC27YZT3D1	1204	129	
 LC013D Gen1	80+	2700	SPHWHAHDND25YZW3D1	1669	134	360
		3000	SPHWHAHDND25YZV3D1	1757	141	
		3500	SPHWHAHDND25YZU3D1	1812	145	
		4000	SPHWHAHDND25YZT3D1	1844	148	
		5000	SPHWHAHDND25YZR3D1	1861	149	
		5700	SPHWHAHDND25YZQ3D1	1861	149	
		6500	SPHWHAHDND25YZP3D1	1834	147	
	90+	2700	SPHWHAHDND27YZW3D1	1427	115	
		3000	SPHWHAHDND27YZV3D1	1494	120	
		3500	SPHWHAHDND27YZU3D1	1547	124	
		4000	SPHWHAHDND27YZT3D1	1580	127	

Chip-on-Board LEDs

Product	CRI	CCT (K)	Part Number	Ti = 85°C Luminous Flux Typ. (lm)	Ti = 85°C Luminous Efficacy Typ. (lm/W)	IF (mA)
 LC016D Gen1	80+	2700	SPHWHAHDNE25YZW3D1	2169	139	450
		3000	SPHWHAHDNE25YZV3D1	2291	147	
		3500	SPHWHAHDNE25YZU3D1	2376	153	
		4000	SPHWHAHDNE25YZT3D1	2419	155	
		5000	SPHWHAHDNE25YZR3D1	2440	157	
		5700	SPHWHAHDNE25YZQ3D1	2440	157	
		6500	SPHWHAHDNE25YZP3D1	2419	155	
	90+	2700	SPHWHAHDNE27YZW3D1	1860	119	
		3000	SPHWHAHDNE27YZV3D1	1970	127	
		3500	SPHWHAHDNE27YZU3D1	2029	130	
		4000	SPHWHAHDNE27YZT3D1	2069	133	
 LC019D Gen1	80+	2700	SPHWHAHDNF25YZW3D1	2581	138	540
		3000	SPHWHAHDNF25YZV3D1	2722	146	
		3500	SPHWHAHDNF25YZU3D1	2805	150	
		4000	SPHWHAHDNF25YZT3D1	2863	153	
		5000	SPHWHAHDNF25YZR3D1	2894	155	
		5700	SPHWHAHDNF25YZQ3D1	2894	155	
		6500	SPHWHAHDNF25YZP3D1	2863	153	
	90+	2700	SPHWHAHDNF27YZW3D1	2210	118	
		3000	SPHWHAHDNF27YZV3D1	2317	124	
		3500	SPHWHAHDNF27YZU3D1	2402	129	
		4000	SPHWHAHDNF27YZT3D1	2454	131	
 LC026D Gen1	80+	2700	SPHWHAHDNG25YZW3D1	3386	136	720
		3000	SPHWHAHDNG25YZV3D1	3558	143	
		3500	SPHWHAHDNG25YZU3D1	3663	147	
		4000	SPHWHAHDNG25YZT3D1	3736	150	
		5000	SPHWHAHDNG25YZR3D1	3767	151	
		5700	SPHWHAHDNG25YZQ3D1	3767	151	
		6500	SPHWHAHDNG25YZP3D1	3736	150	
	90+	2700	SPHWHAHDNG27YZW3D1	2898	116	
		3000	SPHWHAHDNG27YZV3D1	3048	122	
		3500	SPHWHAHDNG27YZU3D1	3139	126	
		4000	SPHWHAHDNG27YZT3D1	3204	129	
 LC040D Gen1	80+	2700	SPHWHAHDNK25YZW3D1	5246	140	1080
		3000	SPHWHAHDNK25YZV3D1	5520	148	
		3500	SPHWHAHDNK25YZU3D1	5689	152	
		4000	SPHWHAHDNK25YZT3D1	5812	156	
		5000	SPHWHAHDNK25YZR3D1	5839	156	
		5700	SPHWHAHDNK25YZQ3D1	5868	157	
		6500	SPHWHAHDNK25YZP3D1	5804	155	
	90+	2700	SPHWHAHDNK27YZW3D1	4497	120	
		3000	SPHWHAHDNK27YZV3D1	4751	127	
		3500	SPHWHAHDNK27YZU3D1	4872	130	
		4000	SPHWHAHDNK27YZT3D1	4979	133	

Component

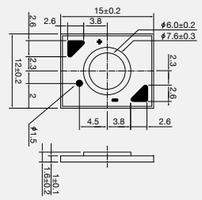
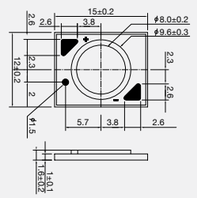
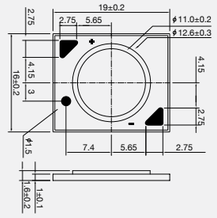
Chip-on-Board LEDs

Product	CRI	CCT (K)	Part Number	Ti = 85°C Luminous Flux Typ. (lm)	Ti = 85°C Luminous Efficacy Typ. (lm/W)	IF (mA)
 LC060D Gen1	70+	3000	SPHWHAHDNL231ZV3Q8	8284	148	1080
		4000	SPHWHAHDNL231ZT3R1	8550	152	
		5000	SPHWHAHDNL231ZR3R2	8683	155	
	80+	2700	SPHWHAHDNL251ZW3P9	7277	130	
		3000	SPHWHAHDNL251ZV3Q3	7667	137	
		3500	SPHWHAHDNL251ZU3Q5	7904	141	
		4000	SPHWHAHDNL251ZT3Q6	8075	144	
		5000	SPHWHAHDNL251ZR3Q7	8113	144	
		5700	SPHWHAHDNL251ZQ3Q7	8151	145	
		6500	SPHWHAHDNL271ZP3Q6	8066	144	
 LC080D Gen1	70+	3000	SPHWHAHDNM231ZV3U5	12084	143	1620
		4000	SPHWHAHDNM231ZT3U9	12483	148	
		5000	SPHWHAHDNM231ZR3V0	12673	150	
	80+	2700	SPHWHAHDNM251ZW3T1	10612	126	
		3000	SPHWHAHDNM251ZV3T6	11201	133	
		3500	SPHWHAHDNM251ZU3T9	11533	137	
		4000	SPHWHAHDNM251ZT3U2	11780	140	
		5000	SPHWHAHDNM251ZR3U2	11847	141	
		5700	SPHWHAHDNM251ZQ3V0	11904	141	
		6500	SPHWHAHDNM251ZP3V5	11723	139	

Small LES COB C-series

Suitable for narrow beam spot lights and downlights

- Adapted new flip chip technology
- Low droop characteristic by current & thermal
- High reliability
- Completed 6,000 hours of LM-80 testing

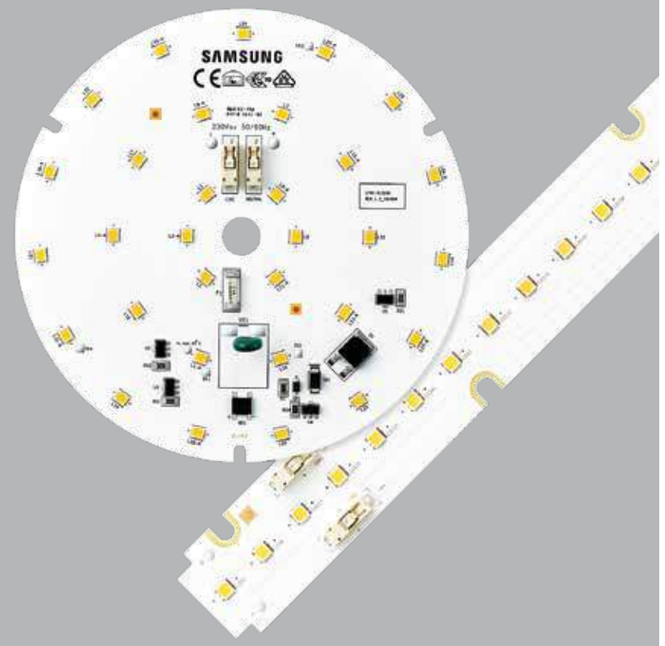
Ti = 85℃	LC010C	LC020C	LC040C
			
LES	6 mm	8 mm	11 mm
Typical	34.5 V		
	9.3 W (270 mA)	18.6 W (540 mA)	37.3 W (1,080 mA)
Max.	14.6 W (405 mA)	29.2 W (810 mA)	58.5 W (1,620 mA)
Dimension			
Size	12.0mm x 15.0mm	12.0mm x 15.0mm	16.0 x 19.0 mm

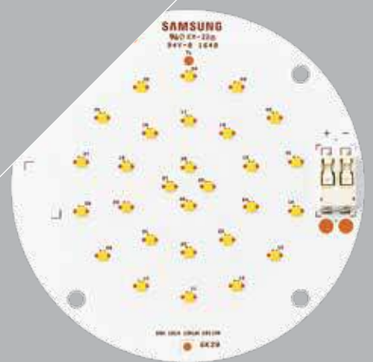
Chip-on-Board LEDs

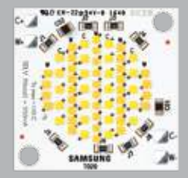
Component

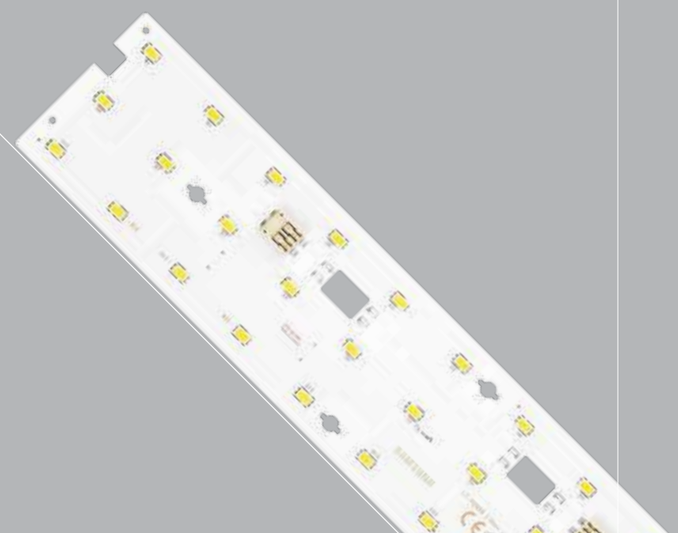
Product	CRI	CCT (K)	Part Number	Ti = 85℃ Luminous Flux Typ. (lm)	Ti = 85℃ Luminous Efficacy Typ. (lm/W)	IF (mA)
 LC010C	80+	2700	SPHWH2HDNA05YHW3C1	998	107	270
		3000	SPHWH2HDNA05YHV3C1	1062	114	
		3500	SPHWH2HDNA05YHU3C1	1113	119	
		4000	SPHWH2HDNA05YHT3C1	1156	124	
		5000	SPHWH2HDNA05YHRTC1	1211	130	
		5700	SPHWH2HDNA05YHQTC1	1211	130	
	90+	2700	SPHWH2HDNA07YHW3C1	871	93	
		3000	SPHWH2HDNA07YHV3C1	892	96	
		3500	SPHWH2HDNA07YHU3C1	903	97	
		4000	SPHWH2HDNA07YHT3C1	924	99	
	95+	2700	SPHWH2HDNA08YHW3C1	739	79	
		3000	SPHWH2HDNA08YHV3C1	786	84	
		3500	SPHWH2HDNA08YHU3C1	824	88	
 LC020C	80+	2700	SPHWH2HDNC05YHW3C1	1996	107	540
		3000	SPHWH2HDNC05YHV3C1	2124	114	
		3500	SPHWH2HDNC05YHU3C1	2226	119	
		4000	SPHWH2HDNC05YHT3C1	2313	124	
		5000	SPHWH2HDNC05YHRTC1	2421	130	
		5700	SPHWH2HDNC05YHQTC1	2421	130	
	90+	2700	SPHWH2HDNC07YHW3C1	1742	93	
		3000	SPHWH2HDNC07YHV3C1	1784	96	
		3500	SPHWH2HDNC07YHU3C1	1805	97	
		4000	SPHWH2HDNC07YHT3C1	1848	99	
	95+	2700	SPHWH2HDNC08YHW3C1	1477	79	
		3000	SPHWH2HDNC08YHV3C1	1572	84	
		3500	SPHWH2HDNC08YHU3C1	1647	88	
 LC040C	80+	2700	SPHWH2HDNE05YHW3C1	3993	107	1080
		3000	SPHWH2HDNE05YHV3C1	4248	114	
		3500	SPHWH2HDNE05YHU3C1	4452	119	
		4000	SPHWH2HDNE05YHT3C1	4626	124	
		5000	SPHWH2HDNE05YHRTC1	4842	130	
		5700	SPHWH2HDNE05YHQTC1	4842	130	
	90+	2700	SPHWH2HDNE07YHW3C1	3483	93	
		3000	SPHWH2HDNE07YHV3C1	3568	96	
		3500	SPHWH2HDNE07YHU3C1	3610	97	
		4000	SPHWH2HDNE07YHT3C1	3695	99	
	95+	2700	SPHWH2HDNE08YHW3C1	2955	79	
		3000	SPHWH2HDNE08YHV3C1	3143	84	
		3500	SPHWH2HDNE08YHU3C1	3294	88	

Module









Indoor Linear Light

Industrial Light

Indoor Area Light

Down & Spot Light

Outdoor Light

With its modular construction, easy to use connections and best color consistency, Samsung's linear module line-ups are well-suited for various designs of luminaires.

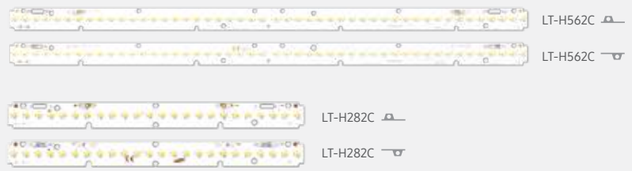
- Tight color binning for best color consistency and high uniformity
- Modular design flexibility makes a wide variety of luminaire designs possible
- Peace of mind with Samsung-backed quality and performance
- Designed following Zhaga specification

Product	Key Features	Efficacy (lm/W)	Lifespan
H-series Gen3	• Highest performance • 187lm/W [4000K, CRI 80+, Tp 40°C]	●●●●●	●●●●●
M-series Gen2	• Platform & Flexible design choices • High efficacy up to 158lm/W @4000K	●●●○○	●●●●●
S-series	• High voltage solution • 170lm/W [4000K, CRI 80+, Tp 50°C]	●●●●○	●●●●●
V-series	• Low-end solution • US version up to 146lm/W, EU version 157lm/W	●●○○○	●●●●○

H-series Gen3

For US

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-HB22D	3,870	21.6	22.5	960	2400	179	80+	3000	115	1120x18x5.8	-20~+50	50,000	UL, cUL	SI-B8V221B2HUS
	3,925					182		3500						SI-B8U221B2HUS
	4,040					187		4000						SI-B8T221B2HUS
	4,040					187		5000						SI-B8R221B2HUS
LT-H562D	1,935	10.8	22.5	480	1200	179	80+	3000	115	560x18x5.8	-20~+50	50,000	UL, cUL	SI-B8V11156HUS
	1,965					182		3500						SI-B8U11156HUS
	2,020					187		4000						SI-B8T11156HUS
	2,020					187		5000						SI-B8R11156HUS
LT-H282D	970	5.4	22.5	240	600	180	80+	3000	115	275x18x5.8	-20~+50	50,000	UL, cUL	SI-B8V05128HUS
	980					181		3500						SI-B8U05128HUS
	1,010					187		4000						SI-B8T05128HUS
	1,010					187		5000						SI-B8R05128HUS



For EU

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-H562C	1,935	10.8	45.0	240	600	179	80+	3000	115	559.7×23.8× 5.2	-20~+50	50,000	CE, ENEC	SI-B8V11156HEU
										559.7×23.8× 7.4				SI-B8V11256HEU
	2,020					187		4000						SI-B8T11156HEU
														SI-B8T11256HEU
	2,020					187		6500						SI-B8P11156HEU
														SI-B8P11256HEU
LT-H282C	970	5.4	22.5	240	600	180	80+	3000	115	279.7×23.8× 5.2	-20~+50	50,000	CE, ENEC	SI-B8V05128HEU
														SI-B8V05228HEU
	1,010					187		4000		279.7×23.8× 7.4				SI-B8T05128HEU
														SI-B8T05228HEU
	1,010					187		6500						SI-B8P05128HEU
														SI-B8P05228HEU

* Front wiring connector, Rear wiring connector

M-series Gen2

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (℃)	Life time (hrs)	Certification	Part Number
LT-MB22A	3,160	22.3	24.8	900	1080	142	80+	3000	115	1120x18x5.2	-20~+50	50,000	UL, cUL	SI-B8V221B20WW
	3,210					144		3500						SI-B8U221B20WW
	3,300					148		4000						SI-B8T221B20WW
	3,300					148		5000						SI-B8R221B20WW
LT-MB22B	4,210	29.8	24.8	1200	1440	141	80+	3000	115	1120x18x5.2	-20~+50	50,000	UL, cUL	SI-B8V301B20WW
	4,280					144		3500						SI-B8U301B20WW
	4,400					148		4000						SI-B8T301B20WW
	4,400					148		5000						SI-B8R301B20WW
LT-MB22C	5,070	33.6	24.0	1400	2160	151	80+	3000	115	1120x18x5.2	-20~+50	50,000	UL, cUL	SI-B8V341B20WW
	5,150					153		3500						SI-B8U341B20WW
	5,310					158		4000						SI-B8T341B20WW
	5,310					158		5000						SI-B8R341B20WW

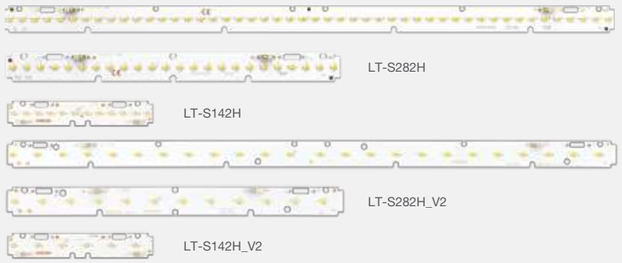
Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (℃)	Life time (hrs)	Certification	Part Number
LT-M562A Gen2	1,580	11.2	24.8	450	540	141	80+	3000	115	560x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V113560WW
	1,605					144		3500						SI-B8U113560WW
	1,650					148		4000						SI-B8T113560WW
	1,650					148		5000						SI-B8R113560WW
LT-M562B Gen2	2,105	14.9	24.8	600	720	141	80+	3000	115	560x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V152560WW
	2,140					144		3500						SI-B8U152560WW
	2,200					148		4000						SI-B8T152560WW
	2,200					148		5000						SI-B8R152560WW
LT-M562C Gen2	2,535	16.8	24.0	700	1080	151	80+	3000	115	560x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V172560WW
	2,575					153		3500						SI-B8U172560WW
	2,655					158		4000						SI-B8T172560WW
	2,655					158		5000						SI-B8R172560WW

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI Min.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (℃)	Life time (hrs)	Certification	Part Number
LT-M282A Gen2	790	5.6	12.4	450	540	142	80+	3000	115	275x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V052280WW
	800					143		3500						SI-B8U052280WW
	825					148		4000						SI-B8T052280WW
	825					148		5000						SI-B8R052280WW
LT-M282B Gen2	1,050	7.4	24.8	300	360	142	80+	3000	115	275x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V072280WW
	1,070					144		3500						SI-B8U072280WW
	1,100					148		4000						SI-B8T072280WW
	1,100					148		5000						SI-B8R072280WW
LT-M282C Gen2	1,580	11.2	24.8	450	540	142	80+	3000	115	275x18x5.8	-20~+50	50,000	CE UL, cUL	SI-B8V114280WW
	1,605					144		3500						SI-B8U114280WW
	1,650					148		4000						SI-B8T114280WW
	1,650					148		5000						SI-B8R114280WW

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (℃)	Life time (hrs)	Certification	Part Number
LT-M562F	1,205	11.2	24.8	450	540	108	90+	2700	115	560x18x5.8	-20~+50	50,000	UL, cUL	SI-B9W111560WW
	1,225					110		3000						SI-B9V111560WW
	1,250					112		3500						SI-B9U111560WW
	1,300					116		4000						SI-B9T111560WW
LT-M562G	1,605	14.9	24.8	600	720	108	90+	2700	115	560x18x5.8	-20~+50	50,000	UL, cUL	SI-B9W151560WW
	1,635					110		3000						SI-B9V151560WW
	1,670					112		3500						SI-B9U151560WW
	1,730					116		4000						SI-B9T151560WW
LT-M562H	1,935	16.8	24.0	700	1080	115	90+	2700	115	560x18x5.8	-20~+50	50,000	UL, cUL	SI-B9W171560WW
	1,970					117		3000						SI-B9V171560WW
	2,010					120		3500						SI-B9U171560WW
	2,085					124		4000						SI-B9T171560WW

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (℃)	Life time (hrs)	Certification	Part Number
LT-M272F	600	5.6	12.4	450	540	108	90+	2700	115	275x18x5.8	-20~+50	50,000	UL, cUL	SI-B9W051280WW
	615					110		3000						SI-B9V051280WW
	625					112		3500						SI-B9U051280WW
	650					116		4000						SI-B9T051280WW
LT-M272G	800	7.4	24.8	300	360	108	90+	2700	115	275x18x5.8	-20~+50	50,000	UL, cUL	SI-B9W071280WW
	820					110		3000						SI-B9V071280WW
	835					112		3500						SI-B9U071280WW
	865					116		4000						SI-B9T071280WW
LT-M272H	1,205	11.2	24.8	450	540	108	90+	2700	115	275x18x5.8	-20~+50	50,000	UL, cUL	SI-B9W113280WW
	1,225					110		3000						SI-B9V113280WW
	1,250					112		3500						SI-B9U113280WW
	1,300					116		4000						SI-B9T113280WW

S-series

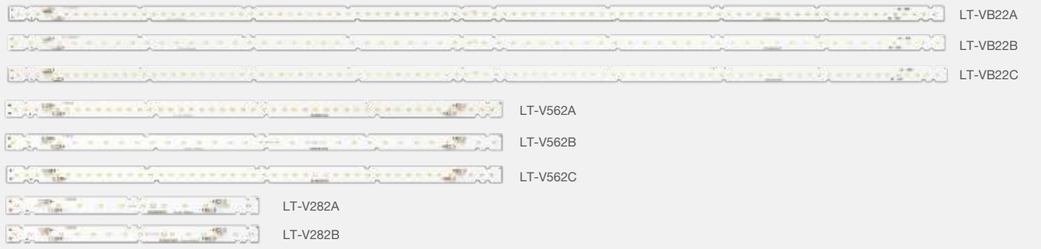


LT-S562H (High Voltage)
LT-S282H
LT-S142H
LT-S562H_V2
LT-S282H_V2
LT-S142H_V2

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-S562H	2,155	13.2	46.9	280	540	163	80+	3000	115	559.7×23.8×5.2 / 559.7×23.8×7.4	-20~+50	50,000	CE, ENEC	SI-B8V13156SEU / SI-B8V13256SEU
	2,250					170		4000						SI-B8T13156SEU / SI-B8T13256SEU
	2,250					170		6500						SI-B8P13156SEU / SI-B8P13256SEU
LT-S282H	1,070	6.6	23.4	280	540	163	80+	3000	115	279.7×23.8×5.2 / 279.7×23.8×7.4	-20~+50	50,000	CE, ENEC	SI-B8V07128VEU / SI-B8V07228VEU
	1,120					170		4000						SI-B8T07128VEU / SI-B8T07228VEU
	1,120					170		6500						SI-B8P07128VEU / SI-B8P07228VEU
LT-S142H	535	3.3	11.7	280	540	163	80+	3000	115	139.8×23.8×5.2 / 139.8×23.8×7.4	-20~+50	50,000	CE, ENEC	SI-B8V03114SEU / SI-B8V03214SEU
	560					170		4000						SI-B8T03114SEU / SI-B8T03214SEU
	560					170		6500						SI-B8P03114SEU / SI-B8P03214SEU
LT-S562H_V2	1,070	6.6	23.4	280	540	163	80+	3000	115	559.7×23.8×5.2	-20~+50	50,000	CE, ENEC	SI-B8V07156SEU
	1,120					170		4000						SI-B8T07156SEU
	1,120					170		6500						SI-B8P07156SEU
LT-S282H_V2	530	3.3	11.7	280	540	161	80+	3000	115	279.7×23.8×5.2	-20~+50	50,000	CE, ENEC	SI-B8V03128SEU
	560					170		4000						SI-B8T03128SEU
	560					170		6500						SI-B8P03128SEU
LT-S142H_V2	270	1.6	5.9	280	540	165	80+	3000	115	139.8×23.8×5.2	-20~+50	50,000	CE, ENEC	SI-B8V02114SEU
	280					171		4000						SI-B8T02114SEU
	280					171		6500						SI-B8P02114SEU

* Front wiring connector, Rear wiring connector

V-series



LT-VB22A
LT-VB22B
LT-VB22C
LT-V562A
LT-V562B
LT-V562C
LT-V282A
LT-V282B

For US

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-VB22A	2,696	21.2	25.2	840	1080	127	80+	3000	115	1120x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V221B2CUS
	2,800					132		3500						SI-B8U221B2CUS
	2,904					137		4000						SI-B8T221B2CUS
	2,904					137		5000						SI-B8R221B2CUS
LT-VB22B	4,090	32.0	25.4	1260	1440	128	80+	3000	115	1120x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V301B2CUS
	4,218					132		3500						SI-B8U301B2CUS
	4,314					135		4000						SI-B8T301B2CUS
	4,314					135		5000						SI-B8R301B2CUS
LT-VB22C	4,540	33.6	48.0	700	1080	135	80+	3000	115	1120x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V341B2CUS
	4,738					141		3500						SI-B8U341B2CUS
	4,920					146		4000						SI-B8T341B2CUS
	4,920					146		5000						SI-B8R341B2CUS
LT-V562A	1,348	10.6	25.2	420	540	127	80+	3000	115	560x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V11156CWW
	1,400					132		3500						SI-B8U11156CWW
	1,452					137		4000						SI-B8T11156CWW
	1,452					137		5000						SI-B8R11156CWW
LT-V562B	2,045	16.0	25.4	630	720	128	80+	3000	115	560x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V15156CWW
	2,109					132		3500						SI-B8U15156CWW
	2,157					135		4000						SI-B8T15156CWW
	2,157					135		5000						SI-B8R15156CWW
LT-V562C	2,270	16.8	24.0	700	1080	135	80+	3000	115	560x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V17156CWW
	2,369					141		3500						SI-B8U17156CWW
	2,460					146		4000						SI-B8T17156CWW
	2,460					146		5000						SI-B8R17156CWW
LT-V282A	724	5.7	12.6	450	540	128	80+	3000	115	275x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V06128CWW
	746					132		3500						SI-B8U06128CWW
	769					136		4000						SI-B8T06128CWW
	769					136		5000						SI-B8R06128CWW
LT-V282B	965	7.6	25.2	300	360	128	80+	3000	115	275x18x5.5	-20~+50	50,000	UL, cUL	SI-B8V08128CWW
	995					132		3500						SI-B8U08128CWW
	1,026					136		4000						SI-B8T08128CWW
	1,026					136		5000						SI-B8R08128CWW

LT-V562E
LT-V282E

For EU

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-V562E	2,140	14.3	47.6	300	480	150	80+	3000	115	559.7×23.8×5.8	-20~+50	50,000	CE, ENEC	SI-B8V14156VWW
	2,240					157		4000						SI-B8T14156VWW
LT-V282E	1,070	7.1	23.8			150		3000						SI-B8V07128VWW
	1,120					157		4000						SI-B8T07128VWW

Superior performance for high flux luminaires in industrial lighting

- Optimized for industrial lighting applications
- Reduced thermal resistance using Samsung's high performing mid-power LEDs
- Better uniformity & cost effective

Product		Key Features	Efficacy (lm/W)	Lifespan
	F-series Gen3	• High lumen density of 18,600lm to replace tubes in high /low bay lighting • Platform & flexible design choices • High efficacy up to 175lm/W @4000K	●●●●○	●●●●●
	F-series Gen2	• High lumen density of 4,650lm to replace 3~5 tubes in High/lowbay applications • Platform & Flexible design choices • High efficacy up to 144lm/W @4000K	●●●○○	●●●●●
	inFlux	• Wide lumen flux coverage up to 40,000lm by module combination • Adopted Samsung's high reliabile mid-power LED solution, LM301A • High efficacy up to 137lm/W @4000K	●●○○○	●●●●●
	R-series	• High lm/W for high ceiling/height applications • High efficacy up to 169lm/W @4000K	●●●●○	●●●●●
	Round Highbay	• Wide lumen choice available in the same fixture • Good thermal management by flip-chip technology	●●●○○	●●●●●

Industrial Light

Module

F-Series Gen3

LT-F562B

LT-F564B

LT-FB22B

LT-FB24B

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-F562B	4,335	25.8	23.0	1120	1800	168	80+	3000	115	560x18x5.2	-30~+50	50,000	UL, cUL	SI-B8V261560WW
	4,400					171		3500						SI-B8U261560WW
	4,500					175		4000						SI-B8T261560WW
	4,650					181		5000						SI-B8R261560WW
LT-F564B	8,670	51.5	46.0	1120	1800	168	80+	3000	115	559.7x39.8x5.2	-30~+50	50,000	UL,cUL	SI-B8V521560WW
	8,800					171		3500						SI-B8U521560WW
	9,000					175		4000						SI-B8T521560WW
	9,300					181		5000						SI-B8R521560WW
LT-FB22B	8,670	51.5	46.0	1120	1800	168	80+	3000	115	1120x18x5.2	-30~+50	50,000	UL, cUL	SI-B8V521B20WW
	8,800					171		3500						SI-B8U521B20WW
	9,000					175		4000						SI-B8T521B20WW
	9,300					181		5000						SI-B8R521B20WW
LT-FB24B	17,340	103.0	46.0	2240	3600	168	80+	3000	115	1120x39.8x5.2	-30~+50	50,000	UL,cUL	SI-B8VZ91B20WW
	17,600					171		3500						SI-B8UZ91B20WW
	18,000					175		4000						SI-B8TZ91B20WW
	18,600					181		5000						SI-B8RZ91B20WW

F-Series Gen2

LT-F562A_G2

LT-F564A

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-F562A Gen2	4,605	33.5	24.8	1350	1620	138	80+	3000	115	560x18x5.2	-20~+50	50,000	CE UL, cUL	SI-B8V342560WW
	4,680					140		3500						SI-B8U342560WW
	4,820					144		4000						SI-B8T342560WW
	4,820					144		5000						SI-B8R342560WW
LT-F564A	8,810	74.4	49.6	1500	1500	118	80+	3500	115	558.8x40x5.9	-20~+50	50,000	UL, cUL	SL-B8U7NK0L2WW
	8,850					119		4000						SL-B8T7NK0L2WW
	9,050					122		5000						SL-B8R7NK0L2WW

inFlux

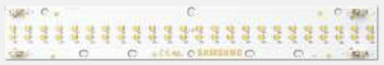
inFlux_L04

inFlux_L06

inFlux_L09

inFlux_S02

inFlux_S03



inFlux_S04

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
inFlux_L04	4,190	32.4	23.5	1380	1380	129	80+	3000	120	560x24x5.9	-20~+50	50,000	CE, ENEC UL, cUL	SL-B8V3N80L1WW
	4,260					131		3500						SL-B8U3N80L1WW
	4,540					140		4000						SL-B8T3N80L1WW
	4,540					140		5000						SL-B8R3N80L1WW
inFlux_L06	5,680	43.4	45.7	950	950	131	80+	3000	120	560x24x5.9	-20~+50	50,000	CE, ENEC UL, cUL	SL-B8V4N90L1WW
	5,775					133		3500						SL-B8U4N90L1WW
	6,060					140		4000						SL-B8T4N90L1WW
	6,060					140		5000						SL-B8R4N90L1WW
inFlux_L09	8,390	64.7	46.9	1380	1380	130	80+	3000	120	560x40x5.9	-20~+50	50,000	CE, ENEC UL, cUL	SL-B8V7N90L1WW
	8,530					132		3500						SL-B8U7N90L1WW
	9,100					141		4000						SL-B8T7N90L1WW
	9,100					141		5000						SL-B8R7N90L1WW
inFlux_S02	2,095	16.1	11.7	1380	1380	130	80+	3000	120	280x24x5.9	-20~+50	50,000	CE, ENEC UL, cUL	SL-B8V1N40L1WW
	2,130					132		3500						SL-B8U1N40L1WW
	2,270					141		4000						SL-B8T1N40L1WW
	2,270					141		5000						SL-B8R1N40L1WW
inFlux_S03	2,840	21.7	22.9	950	950	131	80+	3000	120	280x24x5.9	-20~+50	50,000	CE, ENEC UL, cUL	SL-B8V2N70L1WW
	2,885					133		3500						SL-B8U2N70L1WW
	3,030					140		4000						SL-B8T2N70L1WW
	3,030					140		5000						SL-B8R2N70L1WW
inFlux_S04	4,195	32.4	23.5	1380	1380	129	80+	3000	120	280x40x5.9	-20~+50	50,000	CE, ENEC UL, cUL	SL-B8V4N80L1WW
	4,265					132		3500						SL-B8U4N80L1WW
	4,550					140		4000						SL-B8T4N80L1WW
	4,550					140		5000						SL-B8R4N80L1WW

R-series

LT-R286A

LT-R286C

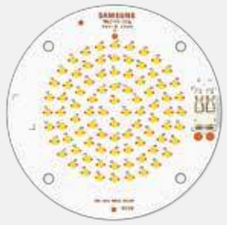
Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
LT-R286A	1,520	9.4	32.3	290	540	162	80+	3000	115	280×55×5.8 280×55×7.4	-20~+50	50,000	CE, ENEC UL, cUL	SI-B8V09A280WW SI-B8V09B280WW
	1,590					169		4000						SI-B8T09A280WW SI-B8T09B280WW
	1,635					174		5000						SI-B8R09A280WW SI-B8R09B280WW
	1,590					169		6500						SI-B8P09A280WW SI-B8P09B280WW
LT-R286C	2,810	20.7	32	648	1050	136	80+	3000	115	280×55×5.8 280×55×7.4	-20~+50	50,000	CE	SI-B8V211280WW SI-B8V212280WW
	3,000					145		4000						SI-B8T211280WW SI-B8T212280WW
	3,000					145		5000						SI-B8R211280WW SI-B8R212280WW

* Front wiring connector, Rear wiring connector

Round Highbay

10,000lm

20,000lm



30,000lm

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
10,000lm	10,300	82	39	2100	2500	126	80+	4000	115	Φ76x5.75	10~+50	TBD	TBD	SL-B8T8NA0L1WW
	10,300					126		5000						SL-B8R8NA0L1WW
20,000lm	20,500	165	79	2100	2500	126	80+	4000	115	Φ76x5.75	10~+50	TBD	TBD	SL-B8TANB0L1WW
	20,600					126		5000						SL-B8RANB0L1WW
30,000lm	31,200	255	120	2100	2500	123	80+	4000	115	Φ76x5.75	10~+50	TBD	TBD	SL-B8TBNC0L1WW
	31,200					123		5000						SL-B8RBNC0L1WW

High efficacy Area Platform Modules that are cost-effective and deliver uniform light output.

- Available to design slimmer luminaire integrating optical technology (LAM Type)
- Value added optical technology designed by Samsung (LAM Type)
- Uses Samsung's LM561B Plus package which has completed LM-80 test, for proven reliability and performance
- Optimized number of packages for superior light uniformity
- Good thermal performance leads to greater durability and long lifetimes
- Easy to design-in

Product		Key Features	Efficacy (lm/W)	Lifespan
	LAM type	• Best solution for slim luminaire design • Good uniformity even curved optic design	●●○○○	●●●●●
	Finger type	• Better uniformity solution for flat panel type • High efficacy up to 186lm/W @4000K	●●●●●	●●●●●

LAM Type


LAM-SQ30C

LAM-RT30C


LAM-SQ32B

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
	1,445					137		3000						SI-B8V114250WW
LAM-SQ30C	1,515	10.6	30.2	350	540	143	80+	4000	145	259x250x6.6	-20~+50	50,000	CE, ENEC	SI-B8T114250WW
	1,515					143		6500						SI-B8P114250WW
	1,445					137		3000						SI-B8V116280WW
LAM-RT30C	1,515	10.6	30.2	350	540	143	80+	4000	145	216x273x6.6	-20~+50	50,000	CE, ENEC	SI-B8T116280WW
	1,515					143		6500						SI-B8P116280WW
	1,300					144		3500						SI-B8U09526001
LAM-SQ32B	1,340	9.0	23.5	385	600	148	80+	4000	145	259x250x6.6	-20~+50	50,000	CE, ENEC	SI-B8T09526001
	1,380					153		5000						SI-B8R09626001

Finger Type


Finger-SQ64C

Finger-RT64C


Finger-SQ30C


Finger-RT30C

Finger-SQ32B

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
	1,385					178		3000						SI-B8V102250WW
	1,405					180		3500						SI-B8U102250WW
Finger-SQ64C	1,450	7.8	11.2	700	2400	186	80+	4000	115	259x250x5.8	-20~+50	50,000	CE, ENEC	SI-B8T102250WW
	1,495					192		5000						SI-B8R102250WW
	1,450					186		6500						SI-B8P102250WW
	1,385					178		3000						SI-B8V104280WW
	1,405					180		3500						SI-B8U104280WW
Finger-RT64C	1,450	7.8	11.2	700	2400	186	80+	4000	115	230x273x5.8	-20~+50	50,000	CE, ENEC	SI-B8T104280WW
	1,495					192		5000						SI-B8R104280WW
	1,450					186		6500						SI-B8P104280WW
	1,535					145		3000						SI-B8V113250WW
Finger-SQ30C	1,610	10.6	30.2	350	540	152	80+	4000	115	259x250x5.8	-20~+50	50,000	CE, ENEC	SI-B8T113250WW
	1,610					152		6500						SI-B8P113250WW
	1,535					145		3000						SI-B8V115280WW
Finger-RT30C	1,610	10.6	30.2	350	540	152	80+	4000	115	216x273x5.8	-20~+50	50,000	CE, ENEC	SI-B8T115280WW
	1,610					152		6500						SI-B8P115280WW
	1,370					151		3500						SI-B8U09626001
Finger-SQ32B	1,410	9.0	23.5	385	600	156	80+	4000	115	259x250x5.8	-20~+50	50,000	CE, ENEC	SI-B8T09626001
	1,450					160		5000						SI-B8R09626001

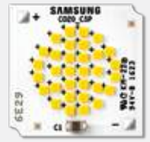
High efficacy modules that are ideal for use in downlights and spotlights

- High efficacy downlight modules with latest LED technology from Samsung
- Suitable for various applications including general flood light, spotlight and ceiling light
- Best color consistency derived from Samsung's extensive binning expertise

	Product	Key Features	Efficacy (lm/W)	Lifespan
	CSP Spot	• Designed following Zhaga specification, excellent compatibility of eco-partner's component • Possible to design various sizes of downlights	●●●○○	●●●●○
	CSP Spot Tunable	• 1,000/2,000lm color tunable solution (2700K-5000K) with a small LES	●●●○○	●●●●○
	Spot Module	• High efficacy up to 162lm/W • Easy installation by poke-in type holder • Designed following Zhaga specification	●●●●●	●●●●●
	Round Module Gen3	• High efficacy down-light modules with latest LED technology • Possible to design 4~8inch downlight	●●●●●	●●●●○
	Round Module Gen4	• Better to small optic design • Possible to design 3~7inch downlight	●●●●○	●●●●○
	ACOM DLE	• Quickly and easily integrated • Simplified downlight design possibilities	●●●○○	●●●○○
	Round ACOM	• Easy installation (No external driver required) • Cost competitive with good lm/$	●●●●○	●●●○○

CSP Spot

CO10



CO20

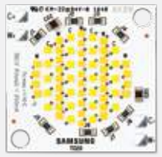
CO30

CO40

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	Tp (°C)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
CO10	1,010	9.4	23.5	400	700	107	65	80+	2700	150	19x19x2.2	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8W0916E0WW
	1,050					112			3000						SI-N8V0916E0WW
	1,070					114			3500						SI-N8U0916E0WW
	1,140					121			4000						SI-N8T0916E0WW
CO20	1,980	18.3	23.4	780	1400	108	65	80+	2700	140	19x19x2.2	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8W1816E0WW
	2,060					113			3000						SI-N8V1816E0WW
	2,110					116			3500						SI-N8U1816E0WW
	2,240					123			4000						SI-N8T1816E0WW
CO30	2,980	27.4	23.4	1170	2100	109	65	80+	2700	145	28x28x2.2	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8W2716E0WW
	3,090					113			3000						SI-N8V2716E0WW
	3,160					115			3500						SI-N8U2716E0WW
	3,360					123			4000						SI-N8T2716E0WW
CO40	3,970	36.5	23.4	1560	2800	109	65	80+	2700	140	28x28x2.2	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8W3616E0WW
	4,120					113			3000						SI-N8V3616E0WW
	4,220					115			3500						SI-N8U3616E0WW
	4,490					123			4000						SI-N8T3616E0WW

CSP Spot Tunable

TO10



TO20

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	Tp (°C)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
TO10	990	8.5	33.9	250	350	117	65	80+	2700	150	28x28x2.2	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8B1016E0WW
	1,080	9.0	35.9	250		120			5000	145					
TO20	1,940	17.4	34.7	500	700	112	65	80+	2700	140	28x28x2.2	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8B1816E0WW
	2,160	18.0	35.9	500		120			5000						

Spot Module

SLE-013

SLE-026

SLE-033

SLE-040

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	Tp (°C)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
SLE-013	1,200	8.4	33.5	250	350	143	75	80+	2700	115	Φ50x6.7	-20~+50	60,000	CE, ENEC, UL, cUL	SI-N8W1312B0WW
	1,240					148			3000						SI-N8V1312B0WW
	1,310					156			3500						SI-N8U1312B0WW
	1,240					148			4000						SI-N8T1312B0WW
	1,300					155			5000						SI-N8R1312B0WW
	950					113		90+	2700						SI-N9W1312B0WW
	980					117			3000						SI-N9V1312B0WW
	1,000					119			3500						SI-N9U1312B0WW
	1,050					125			4000						SI-N9T1312B0WW
SLE-026	2,530	16.8	33.5	500	700	151	75	80+	2700	115	Φ50x6.7	-20~+50	60,000	CE, ENEC, UL, cUL	SI-N8W2612B0WW
	2,540					152			3000						SI-N8V2612B0WW
	2,600					155			3500						SI-N8U2612B0WW
	2,700					161			4000						SI-N8T2612B0WW
	2,720					162			5000						SI-N8R2612B0WW
	2,050					122		90+	2700						SI-N9W2612B0WW
	2,080					124			3000						SI-N9V2612B0WW
	2,140					128			3500						SI-N9U2612B0WW
	2,250					134			4000						SI-N9T2612B0WW
SLE-033	3,350	23.7	33.8	700	900	142	75	80+	2700	115	Φ50x6.7	-20~+50	60,000	CE, ENEC, UL, cUL	SI-N8W3312B0WW
	3,540					150			3000						SI-N8V3312B0WW
	3,610					153			3500						SI-N8U3312B0WW
	3,510					148			4000						SI-N8T3312B0WW
	3,550					150			5000						SI-N8R3312B0WW
	2,610					110		90+	2700						SI-N9W3312B0WW
	2,660					112			3000						SI-N9V3312B0WW
	2,740					116			3500						SI-N9U3312B0WW
	2,820					119			4000						SI-N9T3312B0WW
SLE-040	4,280	30.7	34.1	900	1000	139	75	80+	2700	115	Φ50x6.7	-20~+50	60,000	CE, ENEC, UL, cUL	SI-N8W4012B0WW
	4,540					148			3000						SI-N8V4012B0WW
	4,330					141			3500						SI-N8U4012B0WW
	4,510					147			4000						SI-N8T4012B0WW
	4,560					149			5000						SI-N8R4012B0WW
	3,280					107		90+	2700						SI-N9W4012B0WW
	3,330					109			3000						SI-N9V4012B0WW
	3,410					111			3500						SI-N9U4012B0WW
	3,530					115			4000						SI-N9T4012B0WW

* UL, cUL: COB and holder received separately

Round Module Gen3

Round-090C

Round-110C

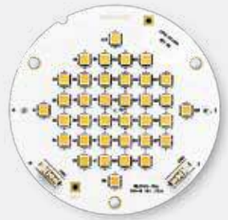
Round-130C

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	Tp (°C)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
Round-090C	1,200	8.3	23.6	350	540	146	55	80+	3000	115	Φ90x5.7	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8V0814B0WW
	1,220					148			3500						SI-N8U0814B0WW
	1,250					152			4000						SI-N8T0814B0WW
Round-110C	2,350	16.9	24.2	700	900	139	55	80+	3000	115	Φ110x5.7	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8V1714B0WW
	2,380					141			3500						SI-N8U1714B0WW
	2,460					146			4000						SI-N8T1714B0WW
Round-130C	3,770	27.3	39.0	700	900	139	55	80+	3000	115	Φ130x5.7	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8V2816B0WW
	3,830					141			3500						SI-N8U2816B0WW
	3,950					145			4000						SI-N8T2816B0WW

Round Module Gen4

Round-040D

Round-050D



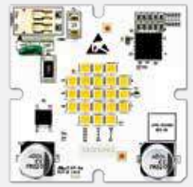
Round-060D

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	Tp (°C)	CRI.	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
Round-040D	950	8.2	23.3	350	350	117	65	80+	3000	115	Φ41x3.7	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8V0812B0WW
	980					121			3500						SI-N8U0812B0WW
	1,000					123			4000						SI-N8T0812B0WW
Round-050D	1,940	16.5	23.5	700	700	118	65	80+	3000	115	Φ50x3.7	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8V1712B0WW
	1,990					121			3500						SI-N8U1712B0WW
	2,030					124			4000						SI-N8T1712B0WW
Round-060D	2,850	24.5	34.9	700	700	117	65	80+	3000	115	Φ62x3.7	-20~+50	50,000	CE, ENEC, UL, cUL	SI-N8V2513B0WW
	2,930					120			3500						SI-N8U2513B0WW
	2,980					122			4000						SI-N8T2513B0WW

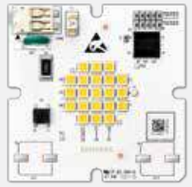
Down & Spot Light

Module

ACOM DLE



Reduced Flicker



Low THD

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	Flicker (%)	THD (%)	Efficacy (lm/W)	Tp (°C)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
Reduced Flicker	1,070	11.4	120 (AC)	50	19	94	65	80+	2700	115	55x55x12.5	-20~+50	50,000	UL, cUL	SI-N8W1113B1US
	1,080					95			3000						SI-N8V1113B1US
	1,110					98			3500						SI-N8U1113B1US
	1,130					100			4000						SI-N8T1113B1US
	1,150					101			5000						SI-N8R1113B1US
	870					77		90+	2700						SI-N9W1113B1US
	920					81			3000						SI-N9V1113B1US
Low THD	1,070	11.5	120 (AC)	100	14	94	65	80+	2700	115	55x55x12.5	-20~+50	50,000	UL, cUL	SI-N8W1123B1US
	1,080					95			3000						SI-N8V1123B1US
	1,110					98			3500						SI-N8U1123B1US
	1,130					100			4000						SI-N8T1123B1US
	1,150					100			5000						SI-N8R1123B1US

Round ACOM

120mm / 230V

Product	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	Flicker (%)	THD (%)	Efficacy (lm/W)	Tp (°C)	CRI	CCT (K)	Beam Angle (°)	Size (mm)	Temperature Range (°C)	Life time (hrs)	Certification	Part Number
120mm / 230V	1,400	11.7	230(AC)	100	14	119	25	80+	3000	115	Φ120x5.5	-20~+50	50,000	CE, ENEC	SI-N8V1215B1EU

Easy-to-use modular design with various lumen packages combined with IP66-certified durability, makes it the smart choice for use in the harshest of environments

- Wide range of engine combinations well-suited for a variety of harsh environment applications
- High luminous efficacy
- Available with a full range of compatible drivers

Product		Key Features	Efficacy (lm/W)	Lifespan
	Modular Platform T-type Gen2	• Total solution integrating LED+Optics+Thermal • With LH351B, higher lumen denstiy of 2,650lm • IP66	●●●●○	●●●●○
	Array Gen2	• Total solution integrating LED+Optics+Thermal • High efficacy at module • Suitable for flood and highbay lighting • Robust design with waterproof durability	●●●●○	●●●●●
	HiLOM	• Greater design flexibility for various fixture designs • High performance, 4,400lm (700mA) with efficacy of 132lm/W	●●●●●	●●●●○

Modular Platform Engine

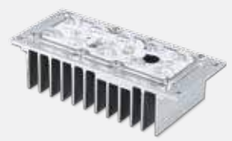
E-type Gen2

F-type

Model	Light Distribution	Heat Sink	Connector	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Weight (g)	Waterproof/ Dustproof Grade	Temperature Range (Operation, Tc)	Certifica-tion	Part Number
E-type Gen2	Type2 Short	Fin	Connector	2,300	21	30	700	1,000	100.0	80+	3000	230	IP66	-30~+80	CE, UL	SL-P8V2V27MBWW
				2,650					114.3	75+	5000					SL-PGR2V47MBWW
F-type	Type2 Medium	-	Wire	2,400	21	30	700	1,000	100.0	70+	3000	170	IP66	+10~+90	CE	SL-P7V2F32MBKI
											4000					SL-P7T2F32MBKI
	Beam angle 85										3000					SL-P7V2F385BKI
											4000					SL-P7T2F385BKI

* E-Type: with Fin (Themal management by Engine), F-type: without Fin (Thermal management by Fixture), T-Type: Flange with Fin (H/S with Tetra screw-holes)

T-type Gen2



T-type Gen2.5 (LH181A)

Model	Light Distribution	Heat Sink	Connector	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Weight (g)	Waterproof/ Dustproof Grade	Temperature Range (Operation, Tc)	Certifi-cation	Part Number
T-type Gen2	Type1 Short	Fin	Connector	2,650	21	30	700	1,000	126.2	75+	5000	295	IP66	-30~+80	CE, UL	SL-PGR2W53LBWW
	Type2 Very Short															SL-PGR2W53MBWW
	Type2 Short															SL-PGR2W57MBWW
	Type1 Short										5700					SL-PGQ2W53LBWW
	Type2 Very Short															SL-PGQ2W53MBWW
	Type1 Short		Wire							70+	5000					SL-PGR2W51SBGL
	Type2 Very Short															SL-PGR2W57SBGL
	Type2 Short															SL-PGR2W52SBGL
	Type2 Short															SL-P7R2W5R1BGL
	Type2 Long															SL-P7R2W5R2BGL
	Beam angle 85															SL-P7R2W585BGL
T-type Gen2.5 (LH181A)	-	Fin	Connector	2,600	20	28	700	1,000	130.0	80+	3000	290	IP66	+10~+95	-	SL-P8V2W6RA1WW
				2,800					140.0		4000					SL-P8T2W6RA1WW
				2,850					142.5		5000					SL-P8R2W6RA1WW
				2,850					142.5		5700					SL-P8Q2W6RA1WW

* E-Type: with Fin (Themal management by Engine), F-type: without Fin (Thermal management by Fixture), T-Type: Flange with Fin (H/S with Tetra screw-holes)

Integrated Array Module

Array Gen2 47W

Array Gen2 70W

Model	Light Distribution	Heat Sink	Connector	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Weight (g)	Waterproof/ Dustproof Grade	Temperature Range (Operation, Tc)	Certification	Part Number
Array Gen2	Type2 Short	Fin	Connector	6,450	47	52	900	2000	137	70+	5000	1,100	IP66	-30~+80	-	SL-IGR5E82SBWW
				9,700	70	52	1,350	3000	139			1,660				SL-IGR7E97SBWW
	Beam angle 70															SL-IGR7E970BWW
	Beam angle 120															SL-IGR7E9C0BWW

HiLOM

HiLOM(LH181A)

HiLOM(LH351B)

Model	Light Distribution	Heat Sink	Connector	Luminous Flux (lm)	Power Consumption (W)	Input Voltage (V)	IF (mA)	Imax (mA)	Efficacy (lm/W)	CRI	CCT (K)	Weight (g)	Waterproof/ Dustproof Grade	Temperature Range (Operation, Tc)	Certification	Part Number
HiLOM (LH181A)	-	-	Poke-in	4300	33	24	1400	2000	130	70+	3000	36	-	+10 ~ +92	CE, UL	SL-B7V3N80L1WW
				4600	33	24			139		4000	36	-			SL-B7T3N80L1WW
				4650	33	24			140		5000	36	-			SL-B7R3N80L1WW
HiLOM (LH351B)	-	-	Poke-in	4400	32	23	1400	2000	136	70+	3000	37	-	+10 ~ +95	CE, UL	SL-B7V3N80LBWW
				4950	32	23			154		4000	37	-			SL-B7T3N80LBWW
				4950	32	23			154		5000	37	-			SL-B7R3N80LBWW

* HiLOM: High Luminance Outdoor Module

Driver

Ambient Light

White Tunable 2-channel

Down & Spot Light

Industrial Light

Outdoor Light

SI-CU1425001WW / SI-CU1425002WW / SI-CU1425001KR
SI-CU7513001KR / SI-CU8413001KR / SI-CU9614001KR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-CU1425001WW	50	300 x 30 x 21.5	120-277	20-50	500-1400	87	<20	0-10V	cUL, UL	>0.9	Output current adjustable by Rset, When sale, current fixed as 1010mA
SI-CU1425002WW	50		120-277		500-1400				Class P, UL		Output current adjustable by Rset, When sale, current fixed as 1010mA
SI-CU1425001KR	50		220-240		500-1400 (1010)				KC		Output current adjustable by Rset, When sale, current fixed as 1010mA
SI-CU7513001KR	37		220-240		500-1400 (740)				KC		Adjustable output current by Rset, When sale, current fixed as 740mA
SI-CU8413001KR	40		220-240		500-1400 (800)				KC		Adjustable output current by Rset, When sale, current fixed as 800mA
SI-CU9614001KR	46		220-240		500-1400 (925)				KC		Adjustable output current by Rset, When sale, current fixed as 925mA

• Channel: 1 • Standard lead-time: 10 weeks

SI-C215280N2KR

SI-CU1528001US

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-C215280N2KR	80	360 x 31 x 27	220-240	25-51	1550	88	<20	Non Dim	KC	>0.9	Fixed current
SI-CU1528001US	80	360 x 31 x 27	120-277	22-54	700-2100	87	<20	0-10V	cUL, UL	>0.9	Output current adjustable by Rset

• Channel: 1 • Standard lead-time: 10 weeks

SI-EPF006660WW

SI-EPF007040WW

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-EPF006660WW	50	300 x 30 x 21	120-277	20-50	500-1400	88	<20	0-10V	cUL, UL	>0.9	Output current adjustable by Rset
SI-EPF007040WW	75	359 x 30 x 26.5		22-52	1000-2100	88					

• Channel: 1 • Standard lead-time: 10 weeks

SI-CU55230N1WW / SI-CU87250N1WW / SI-CU5523001WW / SI-CU8725001WW

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-CU55230N1WW	30	165 x 43 x 32	120-277	37-54	275-555	87	<20	Non Dim	cUL, Type TL, UL	>0.9	Output current adjustable by Rset
SI-CU87250N1WW	50				512-925	88		Non Dim			
SI-CU5523001WW	30				275-555	87		0-10V			
SI-CU8725001WW	50				512-925	88		0-10V			

• Channel: 1 • Standard lead-time: 10 weeks

SI-CU55230N2WW / SI-CU87250N2WW / SI-CU5523002WW / SI-CU8725002WW

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-CU55230N2WW	30	165 x 43 x 32	120-277	37-54	275-555	87	<20	Non Dim	Class P, UL	>0.9	Output current adjustable by Rset
SI-CU87250N2WW	50				512-925	88		Non Dim			
SI-CU5523002WW	30				275-555	87		0-10V			
SI-CU8725002WW	50				512-925	88		0-10V			

• Channel: 1 • Standard lead-time: 10 weeks

SI-CU7014011KR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-CU7014011KR	40	160 x 46.4 x 30.8	120-277	25-50	500-700	87	<20	1-10V	KC	>0.9	Output current adjustable by Rset

• Channel: 1 • Standard lead-time: 10 weeks

Ambient Light

SI-CU84130N1KR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-CU84130N1KR	40	300 x 30 x 21.5	220-240	26-50	800	87	<20	Non Dim	KC	>0.9	Fixed current

• Channel: 1 • Standard lead-time: 10 weeks

SI-C2G814501KR / SI-C2H817201KR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-C2G814501KR	45	241 x 43 x 30.5	220-240	18-26	1680	87	<20	0-10V	KC	>0.9	-
SI-C2H817201KR	72	300 x 43 x 30.5		18-26	2550	86	<20				

• Channel: 1 • Standard lead-time: 10 weeks

White Tunable 2-channel

SLP-DUA47531WW

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SLP-DUA47531WW	45-75	330 x 30 x 30	120-277	20-50	350-1400	83	<20	DALI, 0-10V	CE,cUL	>0.90	Native White tunable feature DALI 209(device Type 8, Color Control) support Programmable(RS485), Auxiliary Power(24V)

*under developmemt : M/P(Apr/May)

* SLP-DUA45501US/*SLP-D2A455D1EU

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
* SLP-DUA45501US	35-55	300 x 33 x 25	120-277	20-45	350-1400	83	<20	0-10V	cUL	>0.90	Native White tunable feature Programmable(DALI), Auxiliary Power(24V)
*SLP-D2A455D1EU	20-55	300 x 33 x 25	220-240	20-45	350-1400	83	<20	DALI	CE, ENEC	>0.90	White tunable feature DALI 209(device Type 8, Color Control) support Programmable(DALI), Auxiliary Power(24V)

*under developmemt : M/P(Apr/May)

*SLP-DUA03001US/ *SLP-D2A030D1EU

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
*SLP-DUA03001US	25-35	270 x 33 x 25	120-277	20-45	350-1400	83	<20	0-10V	cUL	>0.90	Native White tunable feature DALI 209(device Type 8, Color Control) support Programmable(DALI), Auxiliary Power(24V)
*SLP-D2A030D1EU	25-35	270 x 33 x 25	220-240	20-45	350-1400	83	<20	DALI	CE, ENEC	>0.90	White tunable feature DALI 209(device Type 8, Color Control) support Programmable(DALI), Auxiliary Power(24V)

*under developmemt : M/P(Apr/May)

Down & Spot Light

SI-EPF006650WW

SI-EPF006640WW

SI-C242120N1KR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-EPF006650WW	30	123 x 79 x 33	120-277	20-50	350-1050	86	<20	0-10V	UL, cUL	>0.9	Output current adjustable by Rset
SI-EPF006640WW	15	123 x 79 x 33		20-50	180-500	86	<20				
SI-C242120N1KR	20	94.5 x 39.5 x 31	220-240	25-40	420	84	<10	Non Dim	KC	>0.9	Fixed current

• Channel: 1 • Standard lead-time: 10 weeks

Industrial Light

SI-CA1427501US

SI-CA2029601US

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SI-CA1427501US	75	360 x 31 x 26	100-277	27-54	975-1400	88	<20	0-10V	UL, cUL	>0.9	Programmable Output Current
SI-CA2029601US	100	420 x 31 x 26		24-48	1400-2000						

• Channel: 1 • Standard lead-time: 10 weeks

Outdoor Light

SL-L27012502KR

SL-L21425002KR

SL-L22127502KR

SL-L2282A012KR

SL-L2422A512KR

SL-L2562B012KR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SL-L27012502KR	25	177 × 40 × 37	220-240	24-33	700	85	<20	0-10V	KS	>0.9	Independent type, IP67, JST
SL-L21425002KR	50	210 × 40 × 37			1400	87				>0.95	
SL-L22127502KR	75				2100	88				>0.95	
SL-L2282A012KR	100	228 × 68 × 39.5			2800	89		1-10V		>0.95	
SL-L2422A512KR	150				4200	90				>0.95	
SL-L2562B012KR	200				5600	91				>0.95	

• Channel: 1 • Standard lead-time: 10 weeks

SL-L27012503KR

SL-L21425003KR

SL-L22127503KR

SL-L2282A013KR

SL-L2422A513KR

SL-L2562B013KR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SL-L27012503KR	25	177 × 40 × 37	220-240	24-33	700	85	<20	1-10V	KS	>0.9	Independent type, IP67, Molex
SL-L21425003KR	50	210 × 40 × 37			1400	87				>0.95	
SL-L22127503KR	75				2100	88				>0.95	
SL-L2282A013KR	100	228 × 68 × 39.5			2800	89				>0.95	
SL-L2422A513KR	150				4200	90				>0.95	
SL-L2562B013KR	200				5600	91				>0.95	

• Channel: 1 • Standard lead-time: 10 weeks

Outdoor Light

SL-L2352A213KR
SL-L2701151AKR
SL-L2701251AKR

SL-L2701301AKR
SL-L2701401AKR
SL-L2701501AKR

SL-L2701751AKR
SL-L2701A01AKR
SL-L2701A51AKR
SL-L2701B01AKR

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SL-L2352A213KR	125	228 × 68 × 39.5	220-240	24-33	3500	90	<20	1-10V	KS	>0.95	Independent type, IP67, Molex
SL-L2701151AKR	15	177 × 40 × 37	220-240	18-33	700	84	<20	1-10V	KS	>0.9	Independent type, IP67, KET
SL-L2701251AKR	25			18-33		85					
SL-L2701301AKR	30	210 × 40 × 37		39-63		86					
SL-L2701401AKR	40			39-63		87					
SL-L2701501AKR	50			39-63		88					
SL-L2701751AKR	75	182 × 66 × 38.8		85-125		89					
SL-L2701A01AKR	100			85-125		90					
SL-L2701A51AKR	150	228 × 68 × 39.5		177-243		91					
SL-L2701B01AKR	200			177-243		92					

• Channel: 1 • Standard lead-time: 10 weeks

SL-LA7012502US
SL-LA1425002US

SL-L22127502US
SL-LA142A002US

SL-LA212A502US
SL-L2282B002US

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark
SL-LA7012502US	25	193 × 42.5 × 34.5	100-277	18-36	700	85	<20	0-10V	UL, cUL	>0.9	Independent type, IP67
SL-LA1425002US	50				1400	88					
SL-L22127502US	75	173 × 67.5 × 40			2100	89					
SL-LA142A002US	100	187 × 67.5 × 40		17-34	2800	87					
SL-LA212A502US	150	221 × 67.5 × 40		18-36	4200	88					
SL-L2282B002US	200	251 × ×67.5 × 40			5600	88					

• Channel: 1 • Standard lead-time: 10 weeks

Certification Support Program

To provide more valuable services for your successful business

Program Overview

Pre-Certification Test Support

Product structure, test and review by Samsung.
Samsung is an accredited partner of UL, VDE & KOLAS

Certification Accreditations Support

- Customer support for **Cost and Test Period Saving for the EU, US & ASIA certification**
- Global certification program roll out soon to be available

Customer Benefit

Certification		ETL, Energy Star, DLC[1], FCC, LM 79		KS/High Efficiency	PSE	S-Mark	CE, ErP, ENEC, ENEC+, EU Eco-Label, GS mark		CCC/CQC	
Customer Location		US	Korea/China	-			EU/US/Asia	China	Korea	China
Cost Discount	Testing	-20%	-30%	-30%	-30%	-30%	-20%	-30%	-20%	-30%
	Handling			-						
Test Period Savings		-30 ~ -50%	-30 ~ -50%	-20 ~ -30%			-20 ~ -30%	-20 ~ -30%	-20 ~ -30%	-20 ~ -30%
Company		Intertek		KTL (Korea Testing Laboratory)			TUV SUD		CCIC	
Branch		North America, China, Hong Kong, Korea		Korea, China			North America, Germany, China, Hong Kong, Singapore, Taiwan, Korea		Korea, China	

1) Energy Star, DLC's duration is not included for Lumen Maintenance test duration.
2) Discount rate is based on the standard price of Companies.

Process

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