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Samsung LED Total Solutions for

• Components • Modules • Drivers

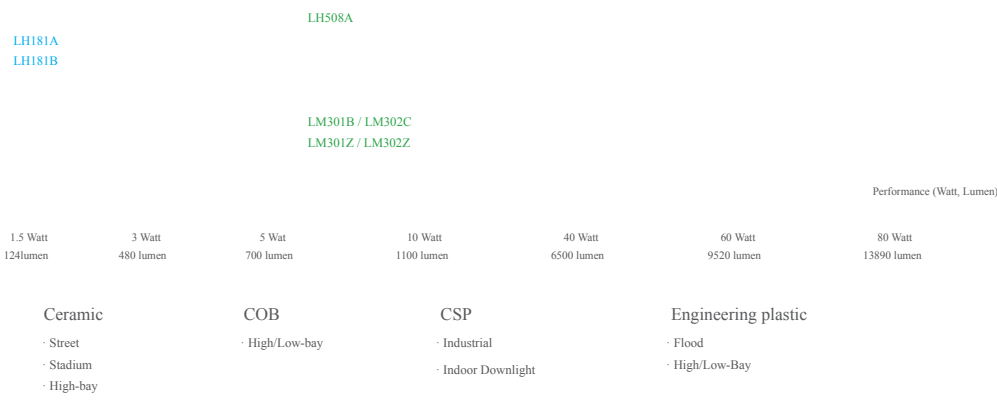
Feb. 2018

Highly reliable LED component solutions in various types of chip structures from mid to high power LEDs

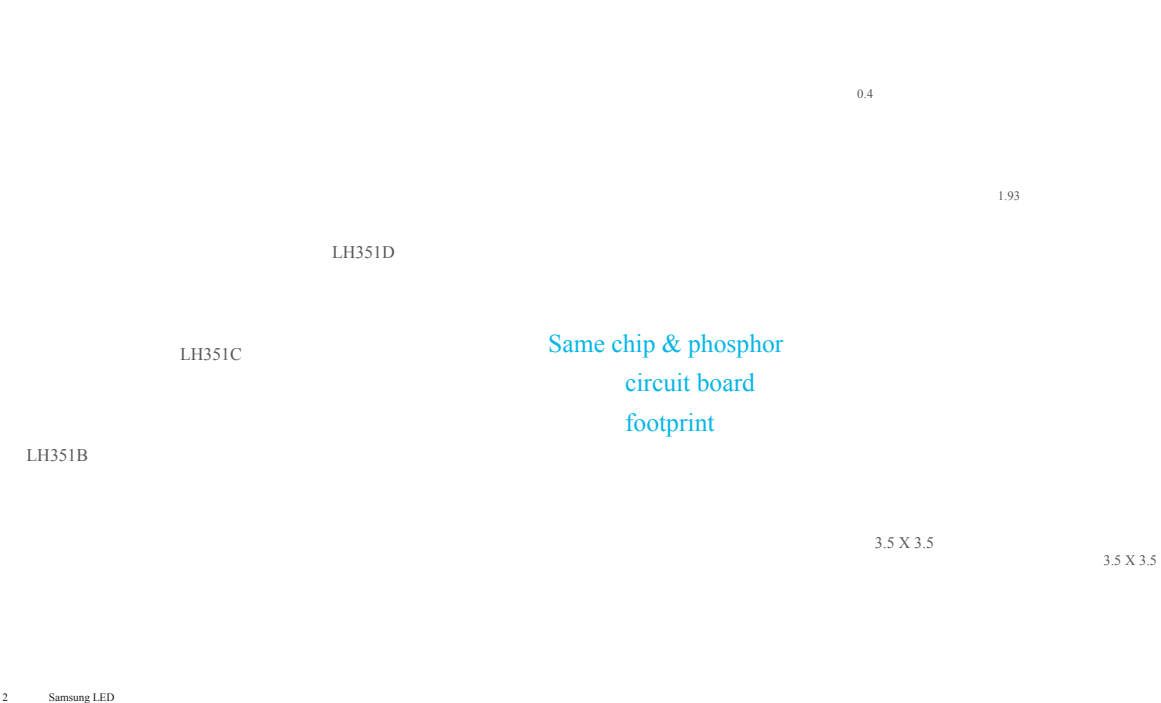
Total solution for outdoor lighting

Line-up

Price (ratio)	Product	Key Feature
	LH351D	• 3W class hig • Low thermal • Wider beam
	LH351C	
	LH351B	
	D-series Gen3 D-series Gen2 D-series Gen1	• 3W class hig • Operates at a • The industry
	LH181A	
	LH181B	
		• 5W class sup



Standard footprints allowing for greater design flexibility



Same chip & phosphor circuit board footprint

Ceramic High Power LEDs

Ceramic High Power LEDs

Component LH351B

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)		CRI	CCT (K)	
				Min.	Max.			
70+	2700	SPHWH2L3D30CD4W0K3	K1, M1, N1	130	160	90+	2700	
		SPHWH2L3D30CD4W0M3	M1, N1, P1	140	170			
		SPHWH2L3D30CD4W0N3	N1, P1, Q1	150	180			
		SPHWH2L3D30CD4V0K3	K1, M1, N1	130	160			
	3000	SPHWH2L3D30CD4V0M3	M1, N1, P1	140	170		3500	3500
		SPHWH2L3D30CD4V0N3	N1, P1, Q1	150	180			
		SPHWH2L3D30CD4U0K3	K1, M1, N1	130	160			
		SPHWH2L3D30CD4U0M3	M1, N1, P1	140	170			
	4000	SPHWH2L3D30CD4T0M3	M1, N1, P1	140	170		4000	4000
		SPHWH2L3D30CD4T0N3	N1, P1, Q1	150	180			
		SPHWH2L3D30CD4T0P3	P1, Q1, R1	160	190			
		SPHWH2L3D30CD4RTM3	M1, N1, P1	140	170			
	5000	SPHWH2L3D30CD4RTN3	N1, P1, Q1	150	180		5000	5000
		SPHWH2L3D30CD4RTP3	P1, Q1, R1	160	190			
		SPHWH2L3D30CD4QTM3	M1, N1, P1	140	170			
		SPHWH2L3D30CD4QTN3	N1, P1, Q1	150	180			
5700	SPHWH2L3D30CD4QTP3	P1, Q1, R1	160	190	5700	5700		
	SPHWH2L3D30CD4PTM3	M1, N1, P1	140	170				
	SPHWH2L3D30CD4PTN3	N1, P1, Q1	150	180				
	SPHWH2L3D30CD4PTP3	P1, Q1, R1	160	190				
6500	SPHWH1L3D30DD4RTM3	M1, N1, P1	140	170	6500	6500		
	SPHWH1L3D30DD4RTN3	N1, P1, Q1	150	180				
	SPHWH1L3D30DD4RTP3	P1, Q1, R1	160	190				
	SPHWH1L3D30DD4QTM3	M1, N1, P1	140	170				
75+	SPHWH1L3D30DD4QTN3	N1, P1, Q1	150	180	75+	2700		
	SPHWH1L3D30DD4QTP3	P1, Q1, R1	160	190				
	SPHWH2L3D30ED4W0H3	H1, J1, K1	110	140				
	SPHWH2L3D30ED4W0J3	J1, K1, M1	120	150				
2700	SPHWH2L3D30ED4W0K3	K1, M1, N1	130	160	70+	3000		
	SPHWH2L3D30ED4V0H3	H1, J1, K1	110	140				
	SPHWH2L3D30ED4V0J3	J1, K1, M1	120	150				
	SPHWH2L3D30ED4V0K3	K1, M1, N1	130	160				
3000	SPHWH2L3D30ED4U0J3	J1, K1, M1	120	150	3000	3500		
	SPHWH2L3D30ED4U0K3	K1, M1, N1	130	160				
	SPHWH2L3D30ED4U0M3	M1, N1, P1	140	170				
	SPHWH2L3D30ED4T0J3	J1, K1, M1	120	150				
3500	SPHWH2L3D30ED4T0K3	K1, M1, N1	130	160	3500	4000		
	SPHWH2L3D30ED4T0M3	M1, N1, P1	140	170				
	SPHWH2L3D30ED4RTK3	K1, M1, N1	130	160				
	SPHWH2L3D30ED4RTM3	M1, N1, P1	140	170				

LH351C

5700	SPHWH2L3D30ED4QTK3	K1, M1, N1	130	160	5700
	SPHWH2L3D30ED4QTM3	M1, N1, P1	140	170	2700
6000	SPHWH2L3D30ED4PQK3	K1, M1, N1	130	160	3000
	SPHWH2L3D30ED4PQM3	M1, N1, P1	140	170	3500
6500	SPHWH2L3D30ED4PTK3	K1, M1, N1	130	160	4000
	SPHWH2L3D30ED4PTM3	M1, N1, P1	140	170	5000

Ceramic High Power LEDs

Ceramic High Power LEDs

Component **LH351D**

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)		CRI	CCT (K)	
				Min.	Max.			
70+	2700	SPHWHTL3DA0CF4W0S6	S2, T2, U2	380	440	90+	2700	
		SPHWHTL3DA0CF4W0T6	T2, U2, V2	400	460			
	3000	SPHWHTL3DA0CF4V0T6	T2, U2, V2	400	460			3000
		SPHWHTL3DA0CF4V0U6	U2, V2, W2	420	480			
	3500	SPHWHTL3DA0CF4U0T6	T2, U2, V2	400	460			3500
		SPHWHTL3DA0CF4U0U6	U2, V2, W2	420	480			
	4000	SPHWHTL3DA0CF4T0U6	U2, V2, W2	420	480			4000
		SPHWHTL3DA0CF4T0V6	V2, W2, Y2	440	500			5000
	5000	SPHWHTL3DA0CF4RTV6	V2, W2, Y2	440	500			6000
		SPHWHTL3DA0CF4RTW6	W2, Y2, Z2	460	520			
	5700	SPHWHTL3DA0CF4QTV6	V2, W2, Y2	440	500			
		SPHWHTL3DA0CF4QTW6	W2, Y2, Z2	460	520			
6500	SPHWHTL3DA0CF4PTU6	U2, V2, W2	420	480				
	SPHWHTL3DA0CF4PTV6	V2, W2, Y2	440	500				
2700	SPHWHTL3DA0EF4W0Q6	Q2, R2, S2	340	400				
	SPHWHTL3DA0EF4W0R6	R2, S2, T2	360	420				
3000	SPHWHTL3DA0EF4V0R6	R2, S2, T2	360	420				
	SPHWHTL3DA0EF4U0R6	R2, S2, T2	360	420				
3500	SPHWHTL3DA0EF4U0S6	S2, T2, U2	380	440				
	SPHWHTL3DA0EF4T0S6	S2, T2, U2	380	440				
4000	SPHWHTL3DA0EF4T0T6	T2, U2, V2	400	460				
	SPHWHTL3DA0EF4RTS6	S2, T2, U2	380	440				
5000	SPHWHTL3DA0EF4RTT6	T2, U2, V2	400	460				
	SPHWHTL3DA0EF4QRT6	T2, U2, V2	400	460				
5300	SPHWHTL3DA0EF4QRU6	U2, V2, W2	420	480				
	SPHWHTL3DA0EF4QTT6	T2, U2, V2	400	460				
5700	SPHWHTL3DA0EF4QTU6	U2, V2, W2	420	480				
	SPHWHTL3DA0EF4PQT6	T2, U2, V2	400	460				
6000	SPHWHTL3DA0EF4PQU6	U2, V2, W2	420	480				
	SPHWHTL3DA0EF4PTT6	T2, U2, V2	400	460				
6500	SPHWHTL3DA0EF4PTU6	U2, V2, W2	420	480				

CSP High Power LEDs

CSP High Power LEDs

Component **LH181A**

LH231B

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)		CRI	CCT (K)	
				Min.	Max.			
70+	2700	SCP7WTF1HPLAW0J34E	J1, K1, M1	120	150	70+	2700	
	3000	SCP7VTF1HPLAV0K34E	K1, M1, N1	130	160			3000
	3500	SCP7UTF1HPLAU0K34E	K1, M1, N1	130	160			3500
		SCP7TTF1HPLAT0M34E	M1, N1, P1	140	170			
	4000	SCP7RTF1HPLARTM34E	M1, N1, P1	140	170			4000
		SCP7QTF1HPLAQT34E	M1, N1, P1	140	170			
	5000	SCP7PTF1HPLAPT34E	M1, N1, P1	140	170			5000
		SCP8WTF1HPLAW0J34E	J1, K1, M1	120	150			5700
	5700	SCP8VTF1HPLAV0K34E	K1, M1, N1	130	160			6500
		SCP8UTF1HPLAU0K34E	K1, M1, N1	130	160			
	6500	SCP8PTF1HPLAPT34E	M1, N1, P1	140	170			

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)	Max.
80+	4000	SCP8TTF1HPLAT0K34E	K1, M1, N1	130	160
	5000	SCP8RTF1HPLARTK34E	K1, M1, N1	130	160
	5700	SCP8QTF1HPLAQTK34E	K1, M1, N1	130	160
80+	6500	SCP8PTF1HPLAPTK34E	K1, M1, N1	130	160
	3000	SCP9VTF1HPLAV0G34E	G1, H1, J1	100	130
	4000	SCP9TTF1HPLAT0G34E	G1, H1, J1	100	130

LH181B

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)	
				Min.	Max.
70+	2700	SCP7WTF1HEL1W◊M34E	M1, N1, P1	140	170
	3000	SCP7VTF1HEL1V◊M34E	M1, N1, P1	140	170
	3500	SCP7UTF1HEL1U◊N34E	N1, P1, Q1	150	180
	4000	SCP7TTF1HEL1T◊N34E	N1, P1, Q1	150	180
	5000	SCP7RTF1HEL1R◊P34E	P1, Q1, R1	160	190
	5700	SCP7QTF1HEL1Q◊P34E	P1, Q1, R1	160	190
	6500	SCP7PTF1HEL1P◊N34E	N1, P1, Q1	150	180
80+	2700	SCP8WTF1HEL1WK◊34E	K1, M1, N1	130	160
	3000	SCP8VTF1HEL1VK◊34E	K1, M1, N1	130	160
	3500	SCP8UTF1HEL1U◊M34E	M1, N1, P1	140	170
	4000	SCP8TTF1HEL1T◊M34E	M1, N1, P1	140	170
	5000	SCP8RTF1HEL1R◊N34E	N1, P1, Q1	150	180
	5700	SCP8QTF1HEL1Q◊N34E	N1, P1, Q1	150	180
	6500	SCP8PTF1HEL1P◊M34E	M1, N1, P1	140	170
90+	2700	SCP9WTF1HEL1W◊G34E	G1, H1, J1	100	130
	3000	SCP9VTF1HEL1V◊G34E	G1, H1, J1	100	130
	3500	SCP9UTF1HEL1U◊H34E	H1, J1, K1	110	140
	4000	SCP9TTF1HEL1T◊H34E	H1, J1, K1	110	140
	5000	SCP9RTF1HEL1R◊H34E	H1, J1, K1	110	140

[350mA, 85°C]

*"◊" can be "K" (MacAdam 5-step ellipse bin), "U" (MacAdam 3-step ellipse bin) of the color binning

EMC Mid Power LEDs

EMC Mid Power LEDs

Component LM301B

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)		CRI	CCT (K)
				Min.	Max.		
70+	3000	SPMWH32AMD3WAV0S0	SJ	34	36	70+	3000
			SK	36	38		
			SL	38	40		
	3500	SPMWH32AMD3WAU0S0	SJ	34	36		
			SK	36	38		
			SL	38	40		
	4000	SPMWH32AMD3WAT0S0	SK	36	38		
			SL	38	40		
			SM	40	42		
	5000	SPMWH32AMD3WAR0S0	SK	36	38		
			SL	38	40		
			SM	40	42		
2700	SPMWH32AMD5WAW0S0	SH	32	34			
		SJ	34	36			
		SJ	34	36			
3000	SPMWH32AMD5WAV0S0	SK	36	38			
		SJ	34	36			
		SK	36	38			
3500	SPMWH32AMD5WAU0S0	SJ	34	36			
		SK	36	38			
		SK	36	38			
80+	4000	SPMWH32AMD5WAT0S0	SK	36	38		
			SL	38	40		
			SK	36	38		
5000	SPMWH32AMD5WAR0S0	SL	38	40			
		SK	36	38			
		SK	36	38			
5700	SPMWH32AMD5WAQ0S0	SL	38	40			
		SK	36	38			
		SK	36	38			
6500	SPMWH32AMD5WAP0S0	SL	38	40			
		SK	36	38			
		SK	36	38			
2700	SPMWH32AMD7WAW0S0	SF	28	30			
		SG	30	32			
		SF	28	30			
3000	SPMWH32AMD7WAV0S0	SG	30	32			
		SG	30	32			
		SH	32	34			
3500	SPMWH32AMD7WAU0S0	SH	32	34			
		SG	30	32			
		SG	30	32			
90+	4000	SPMWH32AMD7WAT0S0	SH	32	34		
			SG	30	32		
			SH	32	34		
5000	SPMWH32AMD7WAR0S0	SG	30	32			
		SH	32	34			
		SG	30	32			
5700	SPMWH32AMD7WAQ0S0	SH	32	34			
		SG	30	32			
		SH	32	34			
6500	SPMWH32AMD7WAP0S0	SG	30	32			
		SH	32	34			
		SH	32	34			

[65mA, 25°C]

EMC Mid Power LEDs

Component **LM301Z**

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)	
				Min.	Max.
70+	3000	SPMWH3326MD3WAV0SA	SA	30.5	33.5
	3500	SPMWH3326MD3WAU0SA	SA	31.5	34.5
	4000	SPMWH3326MD3WAT0SA	SA	32.5	35.5
	5000	SPMWH3326MD3WAR0SA	SA	32.5	35.5
	2200	SPMWH3326MD5WAY0SA	SA	26.0	29.0
80+	2500	SPMWH3326MD5WAX0SA	SA	28.0	31.0
	2700	SPMWH3326MD5WAW0SA	SA	29.0	32.0
	3000	SPMWH3326MD5WAV0SA	SA	30.0	33.0
	3500	SPMWH3326MD5WAU0SA	SA	30.5	33.5
	4000	SPMWH3326MD5WAT0SA	SA	31.0	34.0
	5000	SPMWH3326MD5WAR0SA	SA	33.0	36.0
	5700	SPMWH3326MD5WAQ0SA	SA	31.0	34.0
	6500	SPMWH3326MD5WAP0SA	SA	31.0	34.0
	2700	SPMWH3326MD7WAW0SA	SA	24.0	27.0
	3000	SPMWH3326MD7WAV0SA	SA	24.5	27.5
90+	3500	SPMWH3326MD7WAU0SA	SA	25.5	28.5
	4000	SPMWH3326MD7WAT0SA	SA	26.0	29.0
	5000	SPMWH3326MD7WAR0SA	SA	26.5	29.5
	5700	SPMWH3326MD7WAQ0SA	SA	26.5	29.5
	6500	SPMWH3326MD7WAP0SA	SA	26.0	29.0

[65mA, 25°C]

EMC Mid Power LEDs

LH508A

CRI	CCT (K)
70+	3000
	4000
	5000
80+	5700
	2700
	3000
90+	4000
	4000

LM302Z

CRI	CCT (K)	Part Number	Bin	Luminous Flux (lm)	
				Min.	Max.
70+	3000	SPMWH3326FD3GBV0SA	SA	129	139
	3500	SPMWH3326FD3GBU0SA	SA	132	142
	4000	SPMWH3326FD3GBT0SA	SA	137	147
	5000	SPMWH3326FD3GBR0SA	SA	137	147
	5700	SPMWH3326FD3GBQ0SA	SA	137	147
80+	2700	SPMWH3326FD5GBW0SA	SA	122	132
	3000	SPMWH3326FD5GBV0SA	SA	123	133
	3500	SPMWH3326FD5GBU0SA	SA	126	136
	4000	SPMWH3326FD5GBT0SA	SA	128	138
	5000	SPMWH3326FD5GBR0SA	SA	130	140
	5700	SPMWH3326FD5GBQ0SA	SA	128	138
	6500	SPMWH3326FD5GBP0SA	SA	127	137
	2700	SPMWH3326FD7GBW0SA	SA	102	112
	3000	SPMWH3326FD7GBV0SA	SA	105	115
	3500	SPMWH3326FD7GBU0SA	SA	107	117
90+	4000	SPMWH3326FD7GBT0SA	SA	111	121
	5000	SPMWH3326FD7GBR0SA	SA	112	122
	5700	SPMWH3326FD7GBQ0SA	SA	111	121
	6500	SPMWH3326FD7GBP0SA	SA	111	121

[150mA, 25°C]

Chip-on-Board LEDs

Component **D-series Gen 3**

T _p =85°C	LC016D Gen 3	LC019D Gen 3	LC026D Gen 3	LC033D Gen 3	LC040D Gen 3	LC060D Gen 3	LC080D Gen 3	Product	CRI	CCT (K)	Cc
LES			14.5mm				22 mm			2700	MacA
			33.8V				50.7V			3000	MacA
Typical	15.2W (450 mA)	18.3W (540 mA)	24.3W (720 mA)	30.4W (900 mA)	36.5W (1080 mA)	54.8W (1080 mA)	82.1W (1620 mA)		80+	3500	MacA
Max.	43.5W (1150 mA)	52.2W (1380 mA)	69.6W (1840 mA)	86.9W (2300 mA)	104.3W (2760 mA)	152.9W (2760 mA)	229.3W (4140 mA)			4000	MacA
Size			19mm x 19mm				28mm x 28mm			5000	MacA
										5700	MacA
										6500	MacA
								LC019D Gen 3		2700	MacA
										3000	MacA

Chip-on-Board LEDs

Product	CRI	CCT (K)	Color rank	Part Number	Luminous Flux Typ. (lm)	$T_j=85^{\circ}C$ Luminous Efficacy Typ. (lm/W)	I_f (mA) V_f (V)	90+	3500	MacA	
LC016D Gen 3	80+	2700	MacAdam 2step	SPHWHAHDNE25YZW2D3	2376	156	450mA 33.8V	4000	MacA		
			MacAdam 3step	SPHWHAHDNE25YZW3D3							
		3000	MacAdam 2step	SPHWHAHDNE25YZV2D3	2497	164		5000	MacA		
			MacAdam 3step	SPHWHAHDNE25YZV3D3							
	3500	3500	MacAdam 2step	SPHWHAHDNE25YZU2D3	2570	169	450mA 33.8V	4000	MacA		
			MacAdam 3step	SPHWHAHDNE25YZU3D3							
		4000	MacAdam 2step	SPHWHAHDNE25YZT2D3	2622	172		3000	MacA		
			MacAdam 3step	SPHWHAHDNE25YZT3D3							
	5000	5000	MacAdam 3step	SPHWHAHDNE25YZR3D3	2644	174	450mA 33.8V	3500	MacA		
			MacAdam 3step	SPHWHAHDNE25YZQ3D3							
		6500	MacAdam 3step	SPHWHAHDNE25YZP3D3	2622	172		4000	MacA		
			MacAdam 2step	SPHWHAHDNE27YZW2D3							
	LC026D Gen 3	90+	2700	MacAdam 3step	SPHWHAHDNE27YZW3D3	2033	134	450mA 33.8V	5000	MacA	
				MacAdam 2step	SPHWHAHDNE27YZV2D3						
			3000	MacAdam 2step	SPHWHAHDNE27YZV2D3	2139	141		2700	MacA	
				MacAdam 3step	SPHWHAHDNE27YZV3D3						
		3500	3500	MacAdam 2step	SPHWHAHDNE27YZU2D3	2203	145		450mA 33.8V	3000	MacA
				MacAdam 3step	SPHWHAHDNE27YZU3D3						
			4000	MacAdam 2step	SPHWHAHDNE27YZT2D3	2248	148			3500	MacA
				MacAdam 3step	SPHWHAHDNE27YZT3D3						
5000		5000	MacAdam 3step	SPHWHAHDNE27YZR3D3	2267	149	450mA 33.8V		4000	MacA	
			MacAdam 3step	SPHWHAHDNE27YZR3D3							

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Chip-on-Board LEDs

Chip-on-Board LEDs

Component

Product	CRI	CCT (K)	Color rank	Part Number	$T_j=85^{\circ}C$ Luminous Flux Typ. (lm)	$T_j=85^{\circ}C$ Luminous Efficacy Typ. (lm/W)	I_f (mA) V_f (V)	Product	CRI	CCT (K)	Cc
LC033D Gen 3	70+	3000	MacAdam 3step	SPHWHAHDNH23YZV3D3	5235	172	900mA 33.8V	70+	3000	MacA	
			MacAdam 3step	SPHWHAHDNH23YZT3D3							
		4000	MacAdam 3step	SPHWHAHDNH23YZR3D3	5332	175			4000	MacA	
			MacAdam 3step	SPHWHAHDNH23YZQ3D3							
	5000	2700	MacAdam 2step	SPHWHAHDNH25YZW2D3	4612	152		900mA 33.8V	2700	MacA	
			MacAdam 3step	SPHWHAHDNH25YZW3D3							
		3000	MacAdam 2step	SPHWHAHDNH25YZV2D3	4847	159			3000	MacA	
			MacAdam 3step	SPHWHAHDNH25YZV3D3							
	80+	3500	MacAdam 2step	SPHWHAHDNH25YZU2D3	4989	164		900mA 33.8V	80+	3500	MacA
			MacAdam 3step	SPHWHAHDNH25YZU3D3							
		4000	MacAdam 2step	SPHWHAHDNH25YZT2D3	5089	167			4000	MacA	
			MacAdam 3step	SPHWHAHDNH25YZT3D3							
	5000	5000	MacAdam 3step	SPHWHAHDNH25YZR3D3	5132	169		900mA 33.8V	5000	MacA	
			MacAdam 3step	SPHWHAHDNH25YZQ3D3							
		6500	MacAdam 3step	SPHWHAHDNH25YZP3D3	5089	167			6500	MacA	
			MacAdam 2step	SPHWHAHDNH27YZW2D3							
	LC060D Gen 3	90+	2700	MacAdam 3step	SPHWHAHDNH27YZW3D3	3947		130	900mA 33.8V	2700	MacA
				MacAdam 2step	SPHWHAHDNH27YZV2D3						
			3000	MacAdam 2step	SPHWHAHDNH27YZV2D3	4152		136		3000	MacA
				MacAdam 3step	SPHWHAHDNH27YZV3D3						
3500		3500	MacAdam 2step	SPHWHAHDNH27YZU2D3	4276	141	900mA 33.8V	90+		3500	MacA
			MacAdam 3step	SPHWHAHDNH27YZU3D3							
		4000	MacAdam 2step	SPHWHAHDNH27YZT2D3	4364	143		4000		MacA	
			MacAdam 3step	SPHWHAHDNH27YZT3D3							
5000		5000	MacAdam 3step	SPHWHAHDNH27YZR3D3	4401	145	900mA 33.8V	5000		MacA	
			MacAdam 3step	SPHWHAHDNH27YZQ3D3							
		3000	MacAdam 3step	SPHWHAHDNK23YZV3D3	6440	176		3000		MacA	
			MacAdam 3step	SPHWHAHDNK23YZT3D3							
70+	4000	MacAdam 3step	SPHWHAHDNK23YZR3D3	6560	180	900mA 33.8V	70+	4000	MacA		
		MacAdam 3step	SPHWHAHDNK23YZQ3D3								
	5000	MacAdam 2step	SPHWHAHDNK25YZW2D3	6679	183		5000	MacA			
		MacAdam 3step	SPHWHAHDNK25YZW3D3								
LC040D Gen 3	80+	2700	MacAdam 2step	SPHWHAHDNK25YZV2D3	5675	155	900mA 33.8V	2700	MacA		
			MacAdam 3step	SPHWHAHDNK25YZV3D3							
		3000	MacAdam 2step	SPHWHAHDNK25YZV2D3	5963	163		3000	MacA		
			MacAdam 3step	SPHWHAHDNK25YZV3D3							
	3500	3500	MacAdam 2step	SPHWHAHDNK25YZU2D3	6138	168		900mA 33.8V	80+	3500	MacA
			MacAdam 3step	SPHWHAHDNK25YZU3D3							
		4000	MacAdam 2step	SPHWHAHDNK25YZT2D3	6261	172			4000	MacA	
			MacAdam 3step	SPHWHAHDNK25YZT3D3							
	5000	5000	MacAdam 3step	SPHWHAHDNK25YZR3D3	6313	173		900mA 33.8V	5000	MacA	
			MacAdam 3step	SPHWHAHDNK25YZQ3D3							
		6500	MacAdam 3step	SPHWHAHDNK25YZP3D3	6261	172			6500	MacA	
			MacAdam 2step	SPHWHAHDNK27YZW2D3							
LC080D Gen 3	90+	2700	MacAdam 3step	SPHWHAHDNK27YZW3D3	4856	133	900mA 33.8V	2700	MacA		
			MacAdam 2step	SPHWHAHDNK27YZV2D3							
		3000	MacAdam 2step	SPHWHAHDNK27YZV2D3	5108	140		3000	MacA		
			MacAdam 3step	SPHWHAHDNK27YZV3D3							
	3500	3500	MacAdam 2step	SPHWHAHDNK27YZU2D3	5260	144		900mA 33.8V	90+	3500	MacA
			MacAdam 3step	SPHWHAHDNK27YZU3D3							
		4000	MacAdam 2step	SPHWHAHDNK27YZT2D3	5369	147			4000	MacA	
			MacAdam 3step	SPHWHAHDNK27YZT3D3							
	5000	5000	MacAdam 3step	SPHWHAHDNK27YZR3D3	5415	148		900mA 33.8V	5000	MacA	
			MacAdam 3step	SPHWHAHDNK27YZR3D3							

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Component D-series Gen 2

T _j =85°C	LC016D Gen 2	LC019D Gen 2	LC026D Gen 2	LC033D Gen 2	LC040D Gen 2	LC060D Gen 2	LC080D Gen 2	Product	CRI	CCT (K)	Co
LES		14.5mm				22 mm				2700	MacAc
			34.6 V			52 V				3000	MacAc
Typical	15.6 W (450 mA)	18.7 W (540 mA)	24.9 W (720 mA)	31.1W (900 mA)	37.4 W (1080 mA)	56.1 W (1080 mA)	84.2 W (1620 mA)			3500	MacAc
Max.	43.1 W (1150 mA)	51.8 W (1380 mA)	69 W (1840 mA)	86.2 W (2300 mA)	103.5 W (2760 mA)	143.4 W (2760 mA)	215 W (4140 mA)		80+	4000	MacAc
Size		19mm x 19mm				28mm x 28mm				5000	MacAc
										5700	MacAc
										6500	MacAc
								LC019D Gen 2		2700	MacAc
										3000	MacAc
									90+	3500	MacAc
		2700	MacAdam 2step	SPHWAHDNE25YZW2D2	2293	147				4000	MacAc
			MacAdam 3step	SPHWAHDNE25YZW3D2						5000	MacAc
		3000	MacAdam 2step	SPHWAHDNE25YZV2D2	2423	156				2700	MacAc
			MacAdam 3step	SPHWAHDNE25YZV3D2						3000	MacAc
		3500	MacAdam 2step	SPHWAHDNE25YZU2D2	2513	161				3000	MacAc
			MacAdam 3step	SPHWAHDNE25YZU3D2						3000	MacAc
		4000	MacAdam 2step	SPHWAHDNE25YZT2D2	2558	164				3500	MacAc
			MacAdam 3step	SPHWAHDNE25YZT3D2						3500	MacAc
		5000	MacAdam 3step	SPHWAHDNE25YZR3D2	2581	166			80+	4000	MacAc
		5700	MacAdam 3step	SPHWAHDNE25YZQ3D2	2581	166	450mA 34.6V			5000	MacAc
		6500	MacAdam 3step	SPHWAHDNE25YZP3D2	2558	164				5000	MacAc
LC016D Gen 2			MacAdam 2step	SPHWAHDNE27YZW2D2						5700	MacAc
		2700	MacAdam 3step	SPHWAHDNE27YZW3D2	1967	126				6500	MacAc
			MacAdam 2step	SPHWAHDNE27YZV2D2						2700	MacAc
		3000	MacAdam 3step	SPHWAHDNE27YZV3D2	2084	134				3000	MacAc
			MacAdam 2step	SPHWAHDNE27YZU2D2						3000	MacAc
		3500	MacAdam 3step	SPHWAHDNE27YZU3D2	2146	138			90+	3500	MacAc
			MacAdam 2step	SPHWAHDNE27YZT2D2						3500	MacAc
		4000	MacAdam 3step	SPHWAHDNE27YZT3D2	2189	141				4000	MacAc
		5000	MacAdam 3step	SPHWAHDNE27YZR3D2	2209	142				5000	MacAc
											MacAc

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Component

Product	CRI	CCT (K)	Color rank	Part Number	T _j =85°C Luminous Flux Typ. (lm)	Luminous Efficacy Typ. (lm/W)	I _F (mA) V _F (V)	Product	CRI	CCT (K)	Co
		2700	MacAdam 2step	SPHWAHDNH25YZW2D2	4418	142				3000	MacAc
			MacAdam 3step	SPHWAHDNH25YZW3D2					70+	4000	MacAc
		3000	MacAdam 2step	SPHWAHDNH25YZV2D2	4643	149				5000	MacAc
			MacAdam 3step	SPHWAHDNH25YZV3D2						2700	MacAc
		3500	MacAdam 2step	SPHWAHDNH25YZU2D2	4779	153				2700	MacAc
			MacAdam 3step	SPHWAHDNH25YZU3D2						3000	MacAc
		4000	MacAdam 2step	SPHWAHDNH25YZT2D2	4875	157				3000	MacAc
			MacAdam 3step	SPHWAHDNH25YZT3D2						3500	MacAc
		5000	MacAdam 3step	SPHWAHDNH25YZR3D2	4916	158			80+	3500	MacAc
		5700	MacAdam 3step	SPHWAHDNH25YZQ3D2	4916	158	900mA 34.6V			4000	MacAc
		6500	MacAdam 3step	SPHWAHDNH25YZP3D2	4875	157				5000	MacAc
LC033D Gen 2			MacAdam 2step	SPHWAHDNH27YZW2D2						5700	MacAc
		2700	MacAdam 3step	SPHWAHDNH27YZW3D2	3781	121				6500	MacAc
			MacAdam 2step	SPHWAHDNH27YZV2D2						2700	MacAc
		3000	MacAdam 3step	SPHWAHDNH27YZV3D2	3977	128				2700	MacAc
			MacAdam 2step	SPHWAHDNH27YZU2D2						3000	MacAc
		3500	MacAdam 3step	SPHWAHDNH27YZU3D2	4096	132				3000	MacAc
			MacAdam 2step	SPHWAHDNH27YZT2D2					90+	3500	MacAc
		4000	MacAdam 3step	SPHWAHDNH27YZT3D2	4180	134				3500	MacAc
											MacAc

Product	Power (W)	Current (mA)	Part Number	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle	Color Temp. (K)	Notes
LC040D Gen 2	5000	135	SPHWAHDNH27YZR3D2	4216	135	70+	4000	MacAdam 3step
	3000	169	SPHWAHDNK23YZV3D2	6304	169	70+	5000	MacAdam 3step
	4000	174	SPHWAHDNK23YZT3D2	6506	174	70+	3000	MacAdam 3step
	5000	177	SPHWAHDNK23YZR3D2	6607	177	70+	4000	MacAdam 3step
	2700	148	SPHWAHDNK25YZW2D2	5547	148	70+	5000	MacAdam 2step
	3000	156	SPHWAHDNK25YZV2D2	5837	156	70+	2700	MacAdam 2step
	3000	156	SPHWAHDNK25YZV3D2	5837	156	70+	3000	MacAdam 3step
	3500	161	SPHWAHDNK25YZU2D2	6016	161	70+	3000	MacAdam 2step
	3500	161	SPHWAHDNK25YZU3D2	6016	161	80+	3500	MacAdam 3step
	4000	164	SPHWAHDNK25YZT2D2	6146	164	80+	4000	MacAdam 2step
	4000	164	SPHWAHDNK25YZT3D2	6146	164	80+	4000	MacAdam 3step
	5000	165	SPHWAHDNK25YZR3D2	6175	165	1080mA 34.6V	4000	MacAdam 3step
	5700	166	SPHWAHDNK25YZQ3D2	6205	166	1080mA 34.6V	5000	MacAdam 3step
	6500	164	SPHWAHDNK25YZP3D2	6138	164	1080mA 34.6V	5700	MacAdam 3step
	2700	127	SPHWAHDNK27YZW2D2	4755	127	LC080D Gen 2	2700	MacAdam 2step
	3000	134	SPHWAHDNK27YZV2D2	5024	134	LC080D Gen 2	3000	MacAdam 2step
	3000	134	SPHWAHDNK27YZV3D2	5024	134	LC080D Gen 2	3000	MacAdam 3step
	3500	138	SPHWAHDNK27YZU2D2	5152	138	LC080D Gen 2	3500	MacAdam 2step
	4000	141	SPHWAHDNK27YZT2D2	5266	141	LC080D Gen 2	4000	MacAdam 2step
	5000	143	SPHWAHDNK27YZR3D2	5325	143	LC080D Gen 2	5000	MacAdam 3step

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Component D-series Gen 1

T _j =85°C	LC016D Gen 1	LC019D Gen 1	LC026D Gen 1	LC040D Gen 1	LC060D Gen 1	LC080D Gen 1	Product	CRI	CCT (K)	Color
LES		14.5mm			22 mm					MacAdam 3step
			34.6 V			52 V			2700	MacAdam 3step
Typical	15.6 W (450 mA)	18.7 W (540 mA)	24.9 W (720 mA)	37.4 W (1080 mA)	56.1 W (1080 mA)	84.2 W (1620 mA)				MacAdam 3step
Max.	43.1 W (1150 mA)	51.8 W (1380 mA)	69 W (1840 mA)	103.5 W (2760 mA)	143.4 W (2760 mA)	215 W (2760 mA)			3000	MacAdam 3step
Size		19mm x 19mm			28mm x 28mm					MacAdam 3step
								90+		MacAdam 3step
							LC016D Gen 1		3500	MacAdam 3step
Product	CRI	CCT (K)	Color rank	Part Number	Luminous Flux Typ. (lm)	Luminous Efficacy Typ. (lm/W)	I _v (mA) V _i (V)			MacAdam 3step
		2700	MacAdam 2step	SPHWAHDNE25YZW2H9	2065	133			4000	MacAdam 3step
		2700	MacAdam 3step	SPHWAHDNE25YZW3H9					5000	MacAdam 3step
			MacAdam 2step	SPHWAHDNE25YZW2D1	2169	139				MacAdam 3step
			MacAdam 3step	SPHWAHDNE25YZW3D1						MacAdam 3step
			MacAdam 2step	SPHWAHDNE25YZV2J0	2182	140			2700	MacAdam 3step
		3000	MacAdam 3step	SPHWAHDNE25YZV3J0						MacAdam 3step
			MacAdam 2step	SPHWAHDNE25YZV2D1	2291	147				MacAdam 3step
			MacAdam 3step	SPHWAHDNE25YZV3D1						MacAdam 3step
			MacAdam 2step	SPHWAHDNE25YZU2J1	2263	145			3000	MacAdam 3step
		3500	MacAdam 3step	SPHWAHDNE25YZU3J1						MacAdam 3step
			MacAdam 2step	SPHWAHDNE25YZU2D1	2376	153	450mA 34.6V			MacAdam 3step
		80+	MacAdam 3step	SPHWAHDNE25YZU3D1					3500	MacAdam 3step
LC016D Gen 1			MacAdam 2step	SPHWAHDNE25YZT2J1	2304	148		LC019D Gen 1	80+	MacAdam 3step
			MacAdam 3step	SPHWAHDNE25YZT3J1						MacAdam 3step
		4000	MacAdam 2step	SPHWAHDNE25YZT2D1	2419	155				MacAdam 3step
			MacAdam 3step	SPHWAHDNE25YZT3D1					4000	MacAdam 3step
			MacAdam 3step	SPHWAHDNE25YZR3J2	2324	149				MacAdam 3step
		5000	MacAdam 3step	SPHWAHDNE25YZR3D1	2440	157				MacAdam 3step
			MacAdam 3step	SPHWAHDNE25YZQ3J2	2324	149			5000	MacAdam 3step
		5700	MacAdam 3step	SPHWAHDNE25YZQ3D1	2440	157				MacAdam 3step
			MacAdam 3step	SPHWAHDNE25YZP3J1	2304	148				MacAdam 3step
		6500	MacAdam 3step	SPHWAHDNE25YZP3D1	2419	155			6500	MacAdam 3step

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Component

Product	CRI	CCT (K)	Color rank	Part Number	T _r =85°C		I _r (mA) V _r (V)	Product	CRI	CCT (K)	Co										
					Luminous Flux Typ. (lm)	Luminous Efficacy Typ. (lm/W)															
LC019D Gen 1	90+	2700	MacAdam 2step	SPHWAHDNF27YZW2H9	2104	113	540mA 34.6V	LC026D Gen 1	90+	2700	MacAdam 3step	SPHWAHDNF27YZW3H9	2700								
			MacAdam 2step	SPHWAHDNF27YZW2D1							2210	118		MacAdam 2step	SPHWAHDNF27YZW3D1						
			MacAdam 3step	SPHWAHDNF27YZW3D1										2207	118	MacAdam 2step	SPHWAHDNF27YZV2J0				
			MacAdam 2step	SPHWAHDNF27YZV2J0												2317	124	MacAdam 3step	SPHWAHDNF27YZV3J0		
			MacAdam 3step	SPHWAHDNF27YZV3D1														3500	3500	MacAdam 2step	SPHWAHDNF27YZU2J1
		MacAdam 2step	SPHWAHDNF27YZU2J1	2287	122	MacAdam 3step				SPHWAHDNF27YZU3J1											
		MacAdam 3step	SPHWAHDNF27YZU3D1			2402				129	MacAdam 2step	SPHWAHDNF27YZT2J2									
		MacAdam 2step	SPHWAHDNF27YZT2J2								2337	125	MacAdam 3step	SPHWAHDNF27YZT3J2							
		MacAdam 3step	SPHWAHDNF27YZT3D1										4000	4000	MacAdam 2step	SPHWAHDNF27YZT2D1					
		MacAdam 2step	SPHWAHDNF27YZT2D1	2454	131	MacAdam 3step				SPHWAHDNF27YZT3D1											
	MacAdam 3step	SPHWAHDNF27YZR3J8	2339			125	MacAdam 2step	SPHWAHDNF27YZR3D1													
	MacAdam 2step	SPHWAHDNF27YZR3D1					2456	131	MacAdam 3step	SPHWAHDNF27YZR3D1											
	MacAdam 3step	SPHWAHDNF27YZR3D1							2700	2700	MacAdam 2step	SPHWAHDNK25YZW2M7									
	MacAdam 2step	SPHWAHDNK25YZW2M7	3225	129	MacAdam 3step	SPHWAHDNK25YZW3M7															
	MacAdam 3step	SPHWAHDNK25YZW3M7			3386	136	MacAdam 2step	SPHWAHDNK25YZW2D1													
	MacAdam 2step	SPHWAHDNK25YZW2D1					3389	136			MacAdam 3step	SPHWAHDNK25YZW3D1									
	MacAdam 3step	SPHWAHDNK25YZW3D1									3399	136	MacAdam 2step	SPHWAHDNK25YZV2M9							
	MacAdam 2step	SPHWAHDNK25YZV2M9											3558	143	MacAdam 3step	SPHWAHDNK25YZV3M9					
	MacAdam 3step	SPHWAHDNK25YZV3M9													3558	143	MacAdam 2step	SPHWAHDNK25YZV2D1			
	MacAdam 2step	SPHWAHDNK25YZV2D1															3488	140	MacAdam 3step	SPHWAHDNK25YZV3D1	
MacAdam 3step	SPHWAHDNK25YZV3D1	3488																	140	MacAdam 2step	SPHWAHDNK25YZU2N1
MacAdam 2step	SPHWAHDNK25YZU2N1																			3500	3500
MacAdam 3step	SPHWAHDNK25YZU3N1	3663	147	MacAdam 2step	SPHWAHDNK25YZU2D1																
MacAdam 2step	SPHWAHDNK25YZU2D1			3558	143	MacAdam 3step	SPHWAHDNK25YZU3D1														
MacAdam 3step	SPHWAHDNK25YZT2N2					4000	4000	MacAdam 2step	SPHWAHDNK25YZT2N2												
MacAdam 2step	SPHWAHDNK25YZT2N2							3736	150	MacAdam 3step	SPHWAHDNK25YZT3N2										
MacAdam 3step	SPHWAHDNK25YZT3N2									3588	144	MacAdam 2step	SPHWAHDNK25YZT2D1								
MacAdam 2step	SPHWAHDNK25YZT2D1											3767	151	MacAdam 3step	SPHWAHDNK25YZT3D1						
MacAdam 3step	SPHWAHDNK25YZT3D1													3588	144	MacAdam 2step	SPHWAHDNK25YZR3N2				
MacAdam 2step	SPHWAHDNK25YZR3N2															3767	151	MacAdam 3step	SPHWAHDNK25YZR3D1		
MacAdam 3step	SPHWAHDNK25YZR3D1																	5700	5700		
MacAdam 2step	SPHWAHDNK25YZQ3N3	3767	151	MacAdam 3step	SPHWAHDNK25YZQ3D1																
MacAdam 3step	SPHWAHDNK25YZQ3D1			3558	143	MacAdam 2step	SPHWAHDNK25YZP3N2														
MacAdam 2step	SPHWAHDNK25YZP3N2					3736	150	MacAdam 3step	SPHWAHDNK25YZP3D1												
MacAdam 3step	SPHWAHDNK25YZP3D1																				

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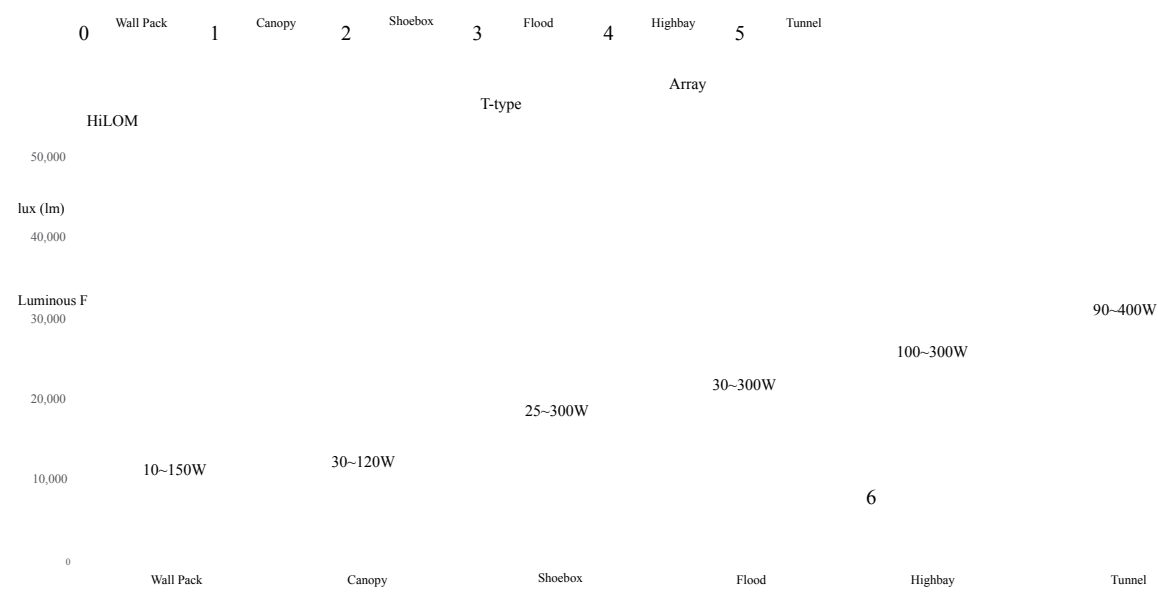
Component

Product	CRI	CCT (K)	Color rank	Part Number	T _r =85°C		I _r (mA) V _r (V)	Product	CRI	CCT (K)	Co								
					Luminous Flux Typ. (lm)	Luminous Efficacy Typ. (lm/W)													
LC040D Gen 1	90+	2700	MacAdam 2step	SPHWAHDNG27YZW2J6	4283	115	1080mA 34.6V	LC080D Gen 1	80+	3000	MacAdam 3step	SPHWAHDNG27YZW3J6	4000						
			MacAdam 2step	SPHWAHDNG27YZW2D1							4497	120		MacAdam 2step	SPHWAHDNG27YZW3D1				
			MacAdam 3step	SPHWAHDNG27YZW3D1										4525	121	MacAdam 2step	SPHWAHDNG27YZV2J7		
			MacAdam 2step	SPHWAHDNG27YZV2J7												4751	127	MacAdam 3step	SPHWAHDNG27YZV3J7
			MacAdam 3step	SPHWAHDNG27YZV3D1														3500	3500
		MacAdam 2step	SPHWAHDNG27YZV2D1	4640	124	MacAdam 3step				SPHWAHDNG27YZV3D1									
		MacAdam 3step	SPHWAHDNG27YZV3D1			4872				130	MacAdam 2step	SPHWAHDNG27YZU2J8							
		MacAdam 2step	SPHWAHDNG27YZU2J8								4742	127	MacAdam 3step	SPHWAHDNG27YZU3D1					
		MacAdam 3step	SPHWAHDNG27YZU3D1										4000	4000	MacAdam 2step	SPHWAHDNG27YZT2J8			
		MacAdam 2step	SPHWAHDNG27YZT2J8	4979	133	MacAdam 3step				SPHWAHDNG27YZT3J8									
	MacAdam 3step	SPHWAHDNG27YZT3D1	4796			128	MacAdam 2step	SPHWAHDNG27YZT2D1											
	MacAdam 2step	SPHWAHDNG27YZT2D1					5036	135	MacAdam 3step	SPHWAHDNG27YZT3D1									
	MacAdam 3step	SPHWAHDNG27YZT3D1							5000	5000	MacAdam 2step	SPHWAHDNG27YZR3J8							
	MacAdam 2step	SPHWAHDNG27YZR3J8	4979	133	MacAdam 3step	SPHWAHDNG27YZR3D1													
	MacAdam 3step	SPHWAHDNG27YZR3D1			4796	128	MacAdam 2step	SPHWAHDNG27YZR3J8											
	MacAdam 2step	SPHWAHDNG27YZR3J8					5036	135			MacAdam 3step	SPHWAHDNG27YZR3D1							
	MacAdam 3step	SPHWAHDNG27YZR3D1																	

LC060D Gen 1	70+	80+	MacAdam 3step	SPHWAHDNL231ZV3Q8	8284	148	
			MacAdam 3step	SPHWAHDNL231ZT3R1	8550	152	
			MacAdam 3step	SPHWAHDNL231ZR3R2	8683	155	
			MacAdam 2step	SPHWAHDNL251ZW2P9	7277	130	
			MacAdam 3step	SPHWAHDNL251ZW3P9			
			MacAdam 2step	SPHWAHDNL251ZV2Q3	7667	137	
			MacAdam 3step	SPHWAHDNL251ZV3Q3			1080mA 52V
			MacAdam 2step	SPHWAHDNL251ZU2Q5	7904	141	
			MacAdam 3step	SPHWAHDNL251ZU3Q5			
			MacAdam 2step	SPHWAHDNL251ZT2Q6	8075	144	
			MacAdam 3step	SPHWAHDNL251ZT3Q6			
			MacAdam 3step	SPHWAHDNL251ZR3Q7	8113	144	
			MacAdam 3step	SPHWAHDNL251ZQ3Q7	8151	145	
			MacAdam 3step	SPHWAHDNL271ZP3Q6	8066	144	

Variously integrated with LED packages, optics and thermal components for superior lumen density and reliability

Total solution for outdoor lighting

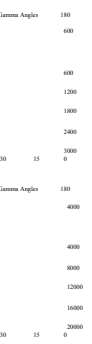


Full optic solutions allowing for fast

- Lens compatibility

Ceramic

Roa

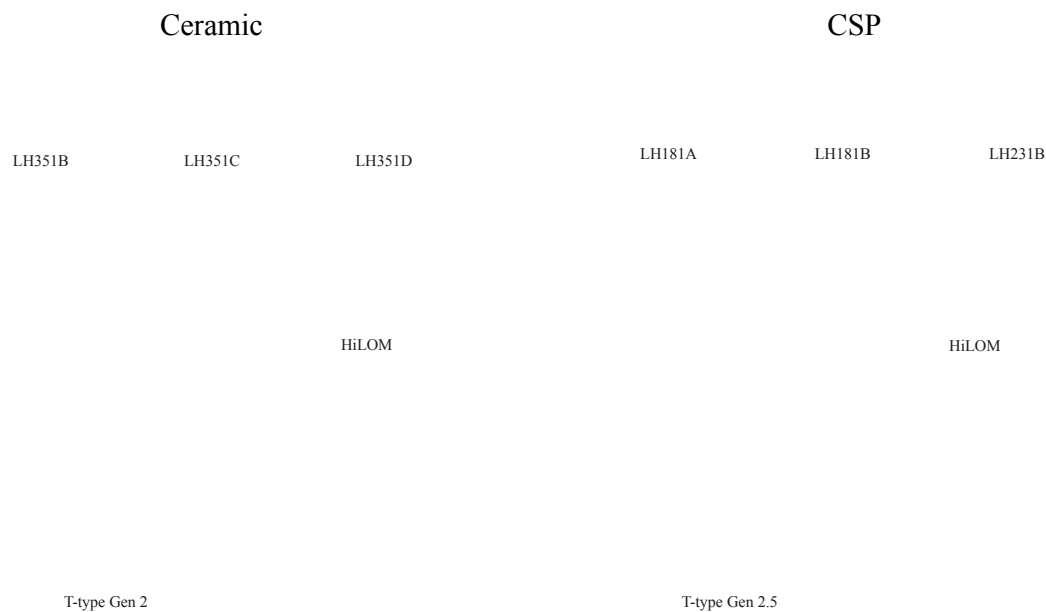


CSP & EMC

Roa



Standard footprints allowing for greater design flexibility



Module

Module

Modular Platform Engine

HiLOM

High compatibility with existing lighting

- Following Zhaga specifications
- Easy to design 2nd optics

HiLOM(LH351C)

Module		E-type		F-type											HiLOM(LH351C)							
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	Model	Connector	Luminous Flux (lm)	Power Consumption (W)	I Vt	
E-type	Type2 Short	Fin	Connector	2300 2650	21	30	700 1000	100.0 80+	3000	114.3	75+	5000	230	IP66	-30~+80	CE, UL	SL-P8V2V27MBWW SL-PGR2V47MBWW	HiLOM(LH351C)	Poke-in	4680 5060	32.7 32.7	
F-type	Type2 Medium Beam angle 85	-	Wire	2400	21	30	700 1,000	100.0 70+	4000			170	IP66	+10~+90	CE	SL-P7T2F32MBKI SL-P7V2F385BKI SL-P7T2F385BKI			5060	32.7		

* E-type: with fin (thermal 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)

Integrated Array Mod

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	Model	Light Distribution	Heat Sink	Connector	Luminous Flux (lm)	
T-type Gen2	Type1 Short Type2 Very Short Type2 Short Type1 Short Type2 Very Short Type1 Short Type1 Very Short Type2 Short Type2 Very Short Type2 Medium Type5 Short Beam angle 85 Type1 Short Type2 Very Short Type2 Short Type2 Short Type2 Long Beam angle 85	Fin	Connector	2650	21	30	700 1000	126.2 75+	5000			295	IP66	-30~+80	CE, UL	SL-PGR2W53LBWW SL-PGR2W53MBWW SL-PGR2W57MBWW SL-PGQ2W53LBWW SL-PGQ2W53MBWW SL-PGR2W51SBGL SL-PGR2W6T1BGL SL-PGR2W52SBGL SL-PGR2W57SBGL SL-PGR2W52MBGL SL-PGR2W55SBGL SL-P7R2W58SBGL SL-PGR2W51SBGL SL-PGR2W57SBGL SL-PGR2W52SBGL SL-P7R2W5R1BGL SL-P7R2W5R2BGL SL-P7R2W58SBGL	Array	Type2 Short Type2 Short Beam angle 70 Beam angle 120	Fin	Connector	6450 9700	
T-type Gen2.5 (LH181A)	-	Fin	Connector	2600 2800 2850 2850	20	28	700 1000	130.0 140.0 142.5	3000 4000 5000	80+	5000	290	IP66	+10~+95	-	SL-P8V2W6RA1WW SL-P8T2W6RA1WW SL-P8R2W6RA1WW SL-P8Q2W6RA1WW						

* E-type: with fin (thermal management by engine), F-type: without fin (thermal management by fixture), T-type: flange with fin (H/S with Tetra screw-holes)

30 Samsung LED

Driver

Driver

SL-L27012503KR											SL-L21425003KR					SL-L22127503KR					SL-L2701A5N1KR									
SL-L2282A013KR											SL-L2352A213KR					SL-L2422A513KR					SL-L2562B013KR					SL-LU1425501US				
Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming	Certification	Power Factor	Remark	Part Number	Power Consumption (W)	Size (mm)	In Volt (V)	Part Number	Power Consumption (W)	Size (mm)	In Volt (V)	Part Number	Power Consumption (W)	Size (mm)	In Volt (V)							
SL-L27012503KR	25	177 × 40 × 37			700	85				>0.9		SL-L2701A5N1KR	150	258 × 68 × 33.9	220	SL-L2701B0N1KR	200	258 × 68 × 33.9	220	SL-LU0923501US	35	193 × 42.5 × 34.5								
SL-L21425003KR	50	210 × 40 × 37			1400	87				>0.95		SL-LU1425501US	55	173 × 67.5 × 40	120	SL-LU2027801US	78	173 × 67.5 × 40		SL-LU262A001US	100	187 × 67.5 × 40								
SL-L22127503KR	75				2100	88				>0.95																				
SL-L2282A013KR	100		220-240	24-33	2800	89	<20	1-10V	KS	>0.95	Independent type, IP67, Molex																			
SL-L2352A213KR	125				3500	90				>0.95																				
SL-L2422A513KR	150	228 × 68 × 39.5			4200	90				>0.95																				
SL-L2562B013KR	200				5600	91				>0.95																				

SL-L2701151AKR
SL-L2701251AKR

SL-L2701301AKR
SL-L2701401AKR
SL-L2701501AKR

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

SL-LA7012502US
SL-LA1425002US

Total Solutions for Outdoor Lighting

Part Number	Power Consumption (W)	Size (mm)	Input Voltage (V)	Output Voltage (V)	Output Current/ch (mA)	Efficiency (%)	THD (%)	Dimming Certification	Power Factor	Remark	Part Number	Power Consumption (W)	Size (mm)	In Vol (
SL-L2701151AKR	15	177 × 40 × 37		18-33		84					SL-LA7012502US	25	193 × 42.5 × 34.5	
SL-L2701251AKR	25			18-33		85					SL-LA1425002US	50		
SL-L2701301AKR	30	210 × 40 × 37		39-63		86					SL-L22127502US	75	173 × 67.5 × 40	100
SL-L2701401AKR	40			39-63		87					SL-LA142A002US	100	187 × 67.5 × 40	
SL-L2701501AKR	50	182 × 66 × 38.8	220-240	39-63	700	88	<20	1-10V	KS	>0.9	Independent type, IP67, KET	SL-LA212A502US	150	221 × 67.5 × 40
SL-L2701751AKR	75			85-125		89						SL-L2282B002US	200	251 × ×67.5 × 40
SL-L2701A01AKR	100	228 × 68 × 39.5		85-125		90								
SL-L2701A51AKR	150			177-243		91								
SL-L2701B01AKR	200			177-243		92								

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