



Mid Power LEDs



Features

- White bins from cold to warm white available
- Long lifetime
- Tight Binning for Mid Power LED
- Low thermal resistance (Rth)
- Mid Power LED binned in Vf (0.1 V increments)
- High lumen output with low drive current
- Samsung chips are used

Applications

- General Lighting
- Advertising Boards
- Emergency Exit Lighting
- Accent Lighting
- Refrigerator Illumination
- Ambient Lighting

Product	CRI	CCT	Luminous Flux		IF (mA)	Part Number
			Min.	Max.		
LM561B+	90	2700K	24.0	28.0	65	SPMWHT541MP7WAW0S0
		3000K	24.5	28.5		SPMWHT541MP7WAV0S0
		3500K	25.0	29.0		SPMWHT541MP7WAU0S0
		4000K	26.0	30.0		SPMWHT541MP7WAT0S0
		5000K	25.0	31.0		SPMWHT541MP7WAR0S0
		5700K	24.5	30.5		SPMWHT541MP7WAQ0S0
		6500K	24.0	30.0		SPMWHT541MP7WAP0S0
	80	2700K	30.0	32.0		SPMWHT541MP5WAW0S4
			32.0	34.0		SPMWHT541MP5WAW0S5
		3000K	30.5	32.5		SPMWHT541MP5WAV0S4
			32.5	34.5		SPMWHT541MP5WAV0S5
		3500K	31.0	33.0		SPMWHT541MP5WAU0S4
			33.0	35.0		SPMWHT541MP5WAU0S5
		4000K	32.0	34.0		SPMWHT541MP5WAT0S4
	34.0	36.0	SPMWHT541MP5WAT0S5			
5000K		33.0	35.0	SPMWHT541MP5WAR0S4		
		35.0	37.0	SPMWHT541MP5WAR0S5		
	5700K	32.5	34.5	SPMWHT541MP5WAQ0S4		
		34.5	36.5	SPMWHT541MP5WAQ0S5		
	6500K	32.0	34.0	SPMWHT541MP5WAP0S4		
	34.0	36.0	SPMWHT541MP5WAP0S5			
70	2700K	32.0	38.0	SPMWHT541MP3WAW0S4		
	3000K	32.5	38.5	SPMWHT541MP3WAV0S0		
	3500K	33.0	39.0	SPMWHT541MP3WAU0S0		
	4000K	34.0	40.0	SPMWHT541MP3WAT0S0		
	5000K	33.0	39.0	SPMWHT541MP3WAR0S0		

Product	CRI	CCT	Luminous Flux		IF (mA)	Part Number
			Min.	Max.		
LM561C	90	2700K	24.0	30.0	65	SPMWHT541ML7XAW0S0
		3500K	25.0	31.0		SPMWHT541ML7XAU0S0
		4000K	24.0	30.0		SPMWHT541ML7XAT0S0
		5000K	25.0	31.0		SPMWHT541ML7XAR0S0
		5700K	24.5	30.5		SPMWHT541ML7XAQ0S0
		6500K	24.0	30.0		SPMWHT541ML7XAP0S0
		80	2700K	30.0		32.0
			32.0	34.0		SPMWHT541ML5XAW0S5
	3000K		32.5	34.5		SPMWHT541ML5XAV0S5
			34.5	36.5		SPMWHT541ML5XAV0S5
	3500K		33.0	35.0		SPMWHT541ML5XAU0S5
			35.0	37.0		SPMWHT541ML5XAU0S6
	4000K		34.0	36.0		SPMWHT541ML5XAT0S5
		36.0	38.0	SPMWHT541ML5XAT0S6		
5000K		35.0	37.0	SPMWHT541ML5XAR0S5		
		37.0	39.0	SPMWHT541ML5XAR0S6		
	5700K	34.5	36.5	SPMWHT541ML5XAQ0S5		
		36.5	38.5	SPMWHT541ML5XAQ0S6		
	6500K	34.0	36.0	SPMWHT541ML5XAP0S6		
	36.0	38.0	SPMWHT541ML5XAP0S6			
70	3000K	32.5	38.5	SPMWHT541ML3XAV0S0		
	3500K	38.0	39.0	SPMWHT541ML3XAU0S0		
	4000K	34.0	40.0	SPMWHT541ML3XAT0S0		
	5000K	35.0	41.0	SPMWHT541ML3XAR0S0		

High Power LEDs



Features

- High performance and high brightness
- Superior heat dissipation based design (holding original patents)
- Long lifetime
- Stable light output over temperature
- Low thermal resistance (Rth)
- Samsung chips are used
- 3 SDCM

Applications

- Outdoor Lighting (Street, Tunnel, Flood Lighting)
- General Lighting (Down Lights, Retrofit Lamps)
- Emergency Exit Lighting
- Accent Lighting
- Refrigerator Lighting (Home & Commercial)
- Ambient Lighting

Product	CRI	CCT	Luminous Flux		IF (mA)	Part Number	
			Min.	Max.			
LH181A	70	3000	130	160	350	SCP7VTF1MPL1V0K34E	
				130		160	SCP7UTF1MPL1U0K34E
				140		170	SCP7TTF1MPL1T0M34E
		4000		140		170	SCP7RTF1MPL1RTM34E
				140		170	SCP7QTF1MPL1QTM34E
				140		170	SCP8WTF1MPL1W0J34E
				150		180	SCP8VTF1MPL1V0K34E
	80	2700	120	150		SCP8RTF1MPL1R0K34E	
		3000	130	160		SCP8UTF1MPL1U0K34E	
		3500	130	160		SCP8TTF1MPL1T0K34E	
		4000	130	160		SCP8RTF1MPL1R0K34E	
		5000	130	160		SCP8RTF1MPL1R0K34E	
		5700	130	160		SCP8RTF1MPL1R0K34E	
		6500	130	160		SCP8RTF1MPL1R0K34E	
LH204A	70	3000	230	245	150	SCA7VT78HAL4V0BG1F	
				230		245	SCA7UT78HAL4U0BG1F
				230		245	SCA7TT78HAL4T0AJEP
		4000		245		260	SCA7RT78HAL4R0AJEP
				245		260	SCA7QT78HAL4Q0DH1F
				230		245	SCA7PT78HAL4PTBG1F
				230		245	SCA7WT78HAL4W0AE1F
	80	2700	215	230		SCA8WT78HAL4W0AE1F	
		3000	215	230		SCA8VT78HAL4V0AE1F	
		3500	215	230		SCA8UT78HAL4U0AE1F	
		4000	230	245		SCA8TT78HAL4T0BG1F	
		5000	230	245		SCA8RT78HAL4RTBG1F	
		5700	230	245		SCA8WT78HAL4W0AE1F	
		6500	230	245		SCA8WT78HAL4W0AE1F	
LH309A	70	3000	510	545	150	SCA9VT78HAL4V06A1F	
				545		585	SCA9UT78HAL4U07B1F
				545		585	SCA9TT78HAL4T07B1F
		4000		545		585	SCA9RT78HAL4R08FEP
				545		585	SCA9UT78HAL4U08FEP
				545		585	SCA9TT78HAL4T08FEP
				545		585	SCA9RT78HAL4R08FEP
	80	2700	475	510		SCA8WT78HAL9W06DEP	
		3000	475	510		SCA8VT78HAL9V06DEP	
		3500	510	545		SCA8UT78HAL9U08FEP	
		4000	510	545		SCA8TT78HAL9T08FEP	
		5000	545	585		SCA8RT78HAL9RTAJEP	
		5700	545	585		SCA8WT78HAL9W06DEP	
		6500	545	585		SCA8WT78HAL9W06DEP	
90	2700	390	415	SCA9VT78HAL9V028EP			
	3000	415	445	SCA9UT78HAL9U028EP			
	3500	415	445	SCA9TT78HAL9T028EP			
	4000	415	445	SCA9RT78HAL9RTAJEP			
	4000	415	445	SCA9UT78HAL9U028EP			
	4000	415	445	SCA9TT78HAL9T028EP			
	4000	415	445	SCA9RT78HAL9RTAJEP			

Product	CRI	CCT	Luminous Flux		IF (mA)	Part Number	
			Min.	Max.			
LH351B	70	3000	130	160	350	SPHWH2L3D30CD4V0K3	
				140		170	SPHWH2L3D30CD4V0M3
				130		160	SPHWH2L3D30CD4U0K3
		3500		140		170	SPHWH2L3D30CD4U0M3
				140		170	SPHWH2L3D30CD4T0M3
				150		180	SPHWH2L3D30CD4T0N3
				140		170	SPHWH2L3D30CD4RTM3
	5000		150	180		SPHWH2L3D30CD4RTN3	
			160	190		SPHWH2L3D30CD4RTP3	
		5700	140	170		SPHWH2L3D30CD4QTM3	
			150	180		SPHWH2L3D30CD4QTN3	
			160	190		SPHWH2L3D30CD4QTP3	
		6500	140	170		SPHWH2L3D30CD4PTM3	
			150	180		SPHWH2L3D30CD4PTN3	
80	2700	110	140	350	SPHWH2L3D30ED4W0H3		
			120		150	SPHWH2L3D30ED4W0J3	
			110		140	SPHWH2L3D30ED4V0H3	
		3000			120	150	SPHWH2L3D30ED4V0J3
					130	160	SPHWH2L3D30ED4V0K3
					120	150	SPHWH2L3D30ED4U0J3
					130	160	SPHWH2L3D30ED4U0K3
	4000		120		150	SPHWH2L3D30ED4T0J3	
			130		160	SPHWH2L3D30ED4T0K3	
			140		170	SPHWH2L3D30ED4T0M3	
			130		160	SPHWH2L3D30ED4RTK3	
			140		170	SPHWH2L3D30ED4RTM3	
			140		170	SPHWH2L3D30ED4QTK3	
			140		170	SPHWH2L3D30ED4QTM3	
6000		130	160	SPHWH2L3D30ED4PQK3			
		140	170	SPHWH2L3D30ED4PQM3			
	6500	130	160	SPHWH2L3D30ED4PTK3			
		140	170	SPHWH2L3D30ED4PTM3			
	90	3500	100	130	SPHWH2L3D30GD4U0G3		
		110	140	SPHWH2L3D30GD4U0H3			
		110	140	SPHWH2L3D30GD4U0K3			



