



High-Power LEDs



Power LED Applications

Outdoor Lighting
Floodlights and Wall Wash
High Bay
Portable
PAR lamps
Accent and Landscape
Security Lighting

Flux Binning (lumens)

bin	min	max
U1	91	100
U2	100	109
U3	109	118.5
V1	118.5	130
V2	130	140
V3	140	150
W1	150	160
W2	160	170
W3	170	180
W4	180	190
W5	190	200
Y	260	340
Z1	340	390
Z2	390	440
A1	440	490
A2	490	540
B1	540	590
B2	590	640

Vf Binning (V)

bin	min	max
G	2.75	3.00
H	3.00	3.25
I	3.25	3.50
J	3.50	3.75

Chromaticity Binning (CCT)

Pure White (cool white)						Natural White				Warm White						
7000	6500	6000	5600	5300	5000	4700	4500	4200	4000	3700	3500	3200	3000	2900	2700	2600
A0	A1	B0	B1	C0	C1	D0	D1	E0	E1	F0	F1	G0	G1	H0	H1	approx tbl
A2	A3	B2	B3	C2	C3	D2	D3	E2	E3	F2	F3	G2	G3	H2	H3	
A4	A5	B4	B5	C4	C5	D4	D5	E4	E5	F4	F5	G4	G5	H4	H5	

		color	CRI	Typ flux 25C	Typ flux 100C	Rθ (K/W)	Vf	LM80	AEC- Q101
	Z5P	SZ5-P0-W0-00	pure white	70 typ	135	120 (135)	5.5	3.2	
		SZ5-P0-WN-00	natural white	70 typ	135				
		SZ5-P0-WN-C8	natural white	80 min	125	105 (119)			
		SZ5-P0-WW-C8	warm white	80 min	109	100 (102)			
		SZ5-P0-WW-85	warm white	85min	100				
	Z5M	SZ5-M0-W0-00	pure white	70 typ	145	115 (125)	4.5	3.1	
		SZ5-M0-W0-C8	natural white	80 min	125	105 (115)			
		SZ5-M0-WN-00	natural white	67 typ	140	107 (118)			
		SZ5-M0-WN-C8	natural white	80 min	125	98 (108)			
		SZ5-M0-WW-C8	warm white	80 min	114	91 (100)			
	Z5	SZ5-M0-WW-85	warm white	85 min		87 (96)	9	2.3	
		SZ5-M0-WW-C9	warm white	90 min	86	79 (87)			
		SZW05A0B	pure white	70 min	114	110 (124)			yes
		SZWN5A0B	natural white	80 min	119	102(115)			
		SZWW5A0B	warm white	80 min	100	89 (100)			
	Z6	SZA05A0B	amber		46		9	2.3	yes
		SZB05A0B	blue		22				
		SZG05A0B	green		100				
		SZR05A0B	red		55				yes
		SZF06F0A	RGBW	70 typ	38/60/16/80				
	Z7	SZW07A0A	pure white	70 typ	550		1.6		
		SZWW7A0A	warm white	80 typ	450				
	Z7-F	SZF07A0A	RGBW	70 min	1/100/18/11		9		
	P4	W42180-08	pure white	70 typ	110	94 (110)	6.2	3.3	
		S42180-08	natural white	91 typ	88	74 (88)			
		S42180H-08	natural white	80 min	98	84 (98)			
		N42180-08	warm white	91 typ	84	71 (84)			
		N42180H-08	warm white	80 min	93	78 (93)			
		B42180	blue		22		7.2	3.3	
		D42180	deep blue		468mW		7.2	3.3	
		G42180	green		70		7.8	3.3	
		R42180	red			48	7.8	2.3	
		A42180	amber			48	7.8	2.3	

actual value	x (based on y at 25C)
data sheet value	