

Z-Power LED Selection Guide



SEOUL SEMICONDUCTOR

30-Nov-12

Flux Binning (lumens)

bin	min	max
T2	80	91
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

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
K	3.75	4.00
L	4.00	4.25

Chromaticity Binning (CCT)

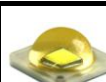
Pure White (cool white)										Natural White					Warm White									
8200	7600	7000	6500	6000	5600	5300	5000	4700	4500	4200	4000	3700	3500	3200	3000	2900	2700	2600						
	Z1	A0	A1	B0	B1	C0	C1	D0	D1	E0	E1	F0	F1	G0	G1	H0	H1							
	Z2	Z3	A2	A3	B2	B3	C2	C3	D2	D3	E2	E3	F2	F3	G2	G3	H2	H3						
	Z4	Z5	A4	A5	B4	B5	C4	C5	D4	D5	E4	E5	F4	F5	G4	G5	H4	H5						

approx
bbl

P4  **p/n x42180y-08**

x=	W	pure white, 70 typ CRI
	S	natural white, 91 typ CRI
	N	warm white, 91 typ CRI
y=	H	80 min CRI

flux: 80 - 119

Z5P  **p/n SZ5-x0-Wy-zz**

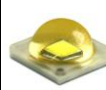
x=	P	Z5P				
	M	Z5M				
y=	0	pure white				
	N	natural white				
	W	warm white				

flux: 100-150

zz=	00	70 typ
	C8	80 min
	C9	90 min

P8  **p/n SPWx8F0y**

x=	y=	
0	D	6000K 80lm automotive
0	E	6000K 110lm 65CRI
8	E	6000K 100lm 80CRI
W	E	3000K 95lm 80CRI

Z5  **p/n SZxx5A0B**

xx=	A0	amber 592nm
	B0	blue 460nm
	DB	deep blue 455nm
	G0	green 525nm
	R0	red 625nm
	W0	pure white
	WN	natural white
	WW	warm white

Z6  **p/n SXF06F0A**

	RGBW
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Z7  **p/n SZW07A0A**

	5300K-7000K
	flux: 340 - 440

Z7-F  **p/n SZF07A0A**

	RGBW
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Part Numbering: SZ5-P0-WN-C8 - flux bin - CCT bins - Vf bin

example

SZ5-P0-WN-C8-U2-EA	flux bin U2, CCT bins E0,E1,E2,E3,E4,E5, any Vf bin
	U1V1 means U1, U2, V1, V2 (all in between)
	U1/V1 means only U1 and V1
	place bin data in P.O. comments area

How to read the "Rank" on the reel.

The "Rank" is the bin code and consists of 6 characters.

1st pair are the flux bin, 2nd pair are the chromaticity bin, 3rd pair are the Vf bin

Power LED Applications

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