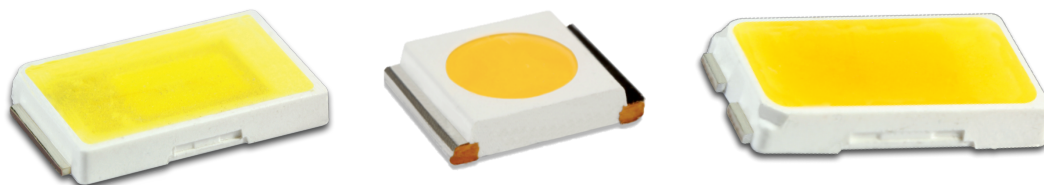




Acrich MJT



Flux Binning (lumens)

bin	min	max
L30	99	107.3
L32	107.3	115.5
L35	115.5	123.8
L37	123.8	132
M40	132	140.3
R5	26.4	27.9
S0	27.9	29.5
S5	29.5	31
S6	29.8	33.8
T0	31	32.6
T9	33.8	37.8
V2	37.8	41.9
W5	41.9	45.9
X8	45.9	49.9
Y1	49.9	53.9
Z4	53.9	58.9

SAWx4A0A

S1	54	60
S2	60	70
T1	70	80
T2	80	91

Vf Binning (V)

bin	min	max
SAW8P42A		
A	11.8	12.4
B	12.4	13
C	13	13.6
D	13.6	14.2
SAW8KG0A		
A	17.9	18.5
B	18.5	19.1
C	19.1	19.7
SAW8KG0B		
A	20.7	21.5
B	21.5	22.2
C	22.2	23
SAW8WA2A		
C	30	32.5
D	32.5	34.5

MAH3042-120V-2 step 4W
 MAH3040- 220V-2 step 4W
 DT3001A - 4 step 4W, 8W
 DT3001B - 4 step, 12W, 16W

Specifications

Vf (V)	part number	pkg	Typ. Flux		If rated (mA)	Power (W)	cool L/W	Rθ (K/W)	deg	CCT range	Tj	CRI min
			cool	warm								
13	SAW8P42A	6540	30.1	n/a	20	0.26	116	20	115	3700 - 7000	125	80
19	SAW8KG0A	5630	35.9	35.3	20	0.38	94	27	115	2600 - 7000	125	80
22	SAW8KG0B	5630	42.8	37.8	20	0.44	97	27	115	2600 - 7000	125	80
32.5	SAW8WA2A	3528	120	110	40	1.3	92	23	120	2600 - 7000	125	80
55	SAWx4A0A	7070	70	65	20	1.1	64	10	120	27-35, 50-65		70/80 typ

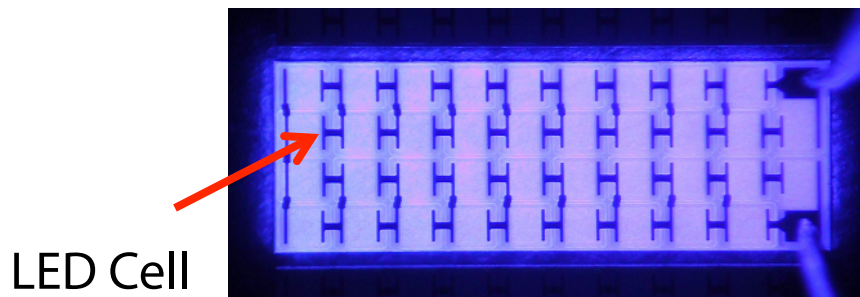
Chromaticity Binning (CCT)

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	A2	A3	B2	B3	C2	C3	D2	D3	E2	E3	F2	F3	G2	G3	H2	H3						
		Z4	A4	A5	B4	B5	C4	C5	D4	D5	E4	E5	F4	F5	G4	G5	H4	H5	approx					
																			bbl					



Acrich [★]MJT Technology

High Voltage (HV) LEDs have multiple junctions or cells in the same chip or chip-on-board (COB) module



HV LED Chip



- Overall voltage is a combination of the individual cells
 - Different forward voltages can be created by changing the number of cells per die or module
 - Single area source (no optical issues)



Multi-Junction Technology

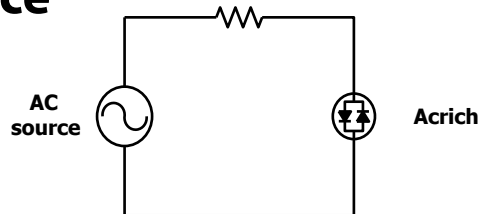
High-Voltage LEDs

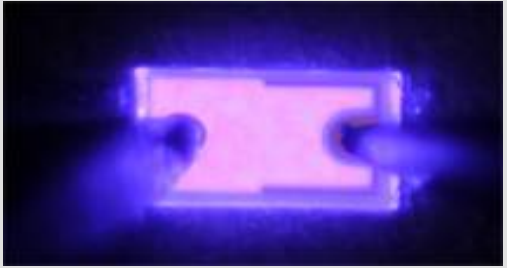
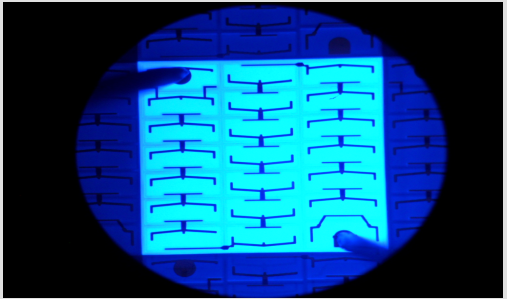
Acrich MJT

"Acro" = Top or First

"Rich" = Value

- First AC LED in volume production
- May be driven with AC or DC Power
- Leveraging 10 years of AC LED experience



DC LED	
Acrich LED	

*Monolithic Arrays of LED Cells
Create a High Voltage LED*



SEOUL SEMICONDUCTOR