



Mid Power LEDs



Mid Power LED Applications

Retrofit lamps
Tube replacements
Linear lights
Channel lighting
Refrigerators
Down lights
Decorative lighting

Flux Binning (lumens)

bin	typ L	bin	typ L
J4	3.9	Q0	21.2
J5	4.1	Q5	25
J6	4.4	R0	26
J7	4.7	R5	27.6
J8	5	S0	28.9
J9	5.3	S5	30
K0	5.5	T0	31
K1	5.8	T5	32.5
K2	6.1	U0	33.5
K3	6.4	U7	35.6
K4	6.6	V5	38.9
M0	13	W5	43.5
M5	14.3	X5	45.3
N0	15.8	Y7	49.1
N5	17.2	J17	56.6
P0	18.5	J19	63.6
P5	19.7	K21	70.6
		K24	79.9

bin	min	max
Y3	2.90	3.00
Z1	3.00	3.10
Z2	3.10	3.20
Z3	3.20	3.30
A1	3.30	3.40
Z58	5.8	6.0
Z60	6.0	6.2
Z62	6.2	6.4
Z64	6.4	6.6
Z66	6.6	6.8

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						
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

Top View Energy Star LEDs

Pkg (LxW)	part number	CRI min	If (mA)	typ flux	Rθ (K/W)	LM80
3020	C8WT803	75	20	5	76	done
3020	C9WT803	90	20	4.5	76	done
3020	STW8B12B	80	40	13	20	tbd
3020	STW8B12C	80	100	33		Jun 13
3030	STW8C2SA	80	100 (6.3V)	73	10	13-Aug
5050	STW8T16A	80	60	23	22	done
5050	STW8T16C	80	65	26	14	Jun 13
5050	STW8T36B	80	60	18	22	done
5050	STW9T36B	90	60	15	22	done
5630	STW8Q14BE	80	100	35	18	done
5630	STW8Q14C	80	100	39	18	3K hrs
5630	STW8Q2PA	75	100	32	15	done
5630	STW9Q14B	90	100	32	18	done
5630	STW9Q14C	90	100	34	18	3K hrs