



LM80 Energy Star 105C 6000hrs/L990D/L977

Color	Color Temperature or Dominate Wavelength				
	Symbol	MIN.	TYP.	MAX.	Unit.
Cool-White → W	CCT	4500	5650	10000	K
Neutral-White → N	CCT	3500	4000	4500	K
Warm-White → S	CCT	2670	3000	3500	K
Red → R	λ_d	620	-	630	nm
Green → G	λ_d	520	-	535	nm
Blue → B	λ_d	460	-	475	nm
Amber → A	λ_d	585	-	595	nm
Orange → O	λ_d	610	-	620	nm

High Power Series with Cu Substrate

series	L944 series (3~5W)			L977 series (5~10W)			L999 series (10~16W)		
size	4.0mm*4.0mm			7.0mm*7.0mm			9.25mm*9.25mm		
Angle (2 θ 1/2)	160°								
Color	WW	NW	CW	WW	NW	CW	WW	NW	CW
CCT	3000K	4000K	5700K	3000K	4000K	5700K	3000K	4000K	5700K
Bin	2-step	2-step	7-step	2-step	2-step	7-step	2-step	2-step	7-step
Vf	9.5V			DC: (9.5V~40V) AC: (110V~220V)			DC: (9.5V~40V) AC: (110V~220V)		
Current	350mA			600mA / 720mA			720mA		
Ra	70/80			70/80			70/80		
Lm/w	>100	>100	>120	>100	>100	>120	>100	>100	>120