



DIP Style



SMD Style



Hi-Power Style

DIP

SMD

Hi-Power

	DIP	SMD	Hi-Power
Price	Most economical style of LED tube	Mid-range price option	Most expensive option
LED Quantities*	More than 300 LEDs	50 - 300 LEDs	18 - 24 LEDs
Lumen (lm)	1000 - 1700	1500 - 2000	1700 - 2200
Material	PC (Poly-Carbonate) plastic tube 360 degrees all around	Aluminium backing PC (Poly-Carbonate) plastic face	Aluminium backing PC (Poly-Carbonate) plastic face
Heating Issue	Least effective at removing heat from the LEDs	Aluminium provides superior cooling characteristics	Aluminium provides superior cooling characteristics
Manufacturer	Almost 100% produced in China	50% produced in China 50% produced in Taiwan	Almost entirely produced in Taiwan with some made in Korea
Light deterioration	The fastest (worst) of all three styles of tube	Much better than DIP as the aluminium keeps the LEDs cooler	Excellent resistance to light deterioration/decay
Cover	Clear/Frosted	Clear/Frosted	Clear/Frosted
Application	Locations not requiring extreme brightness or attractive exterior aesthetics	Locations requiring a "traditional" looking tube	Locations requiring long lifetime, extra brightness or low aesthetics requirements
	Factories, mining, store rooms, workshops	Commercial buildings, mining, public buildings (schools, government offices)	Commercial fridges, public places lighting, signage

\* For 1.2m tube