Difference between LED and OLED

Parameter	LED	OLED
Acronym for	Light Emitting Diode	Organic Light Emitting Diode
Description	It is a flat panel display that	It is also a type of LED in which
Description	uses array of light emitting	organic compound is used as
	diodes as video display.	emissive electroluminescent layer
	are are as viace and ray.	to emit light when electric current
		is supplied to it. These OLEDs
		are self illuminating.
Brightness	LED displays can get extremely	OLED display can also produce
	bright and have slight	brighter displays but shining
	advantage.	OLED pixels to maximum results
		in reduced pixel life.
Flexibility	Hard Material is used as	OLED can be fabricated on
	substrate and can not be used to	plastic substrates and can be used
	make flexible displays.	for making roll up display and
		can be embedded in cloths in
		future.
Black Level	LED displays rely on LED	Dark blacks are the import in
	backlights behind an LCD	factor to achieve evellent picture
	panel and can no produce dark	quality all yies higher contrast
	blacks even with advanced	a for the colors and resulting
	dimming techniques that an	more realistic mages. OLED
	LEDs. Hence, Lil Displays	rign a he undisputed
	suffers? Aroduce dark levels	champion, When it comes to black levels.
Backlighting	Can only dim the LCD image	OLEDs can produce a very low
Dacklighting	in regions.	luminescence level down the
	m regions.	individual pixel.
Refresh Rate	LED displays have refresh rate	OLED theoretically can have a
	up to 240 Hz.	response timeless than 0.01ms
	•	enabling refresh rate up to
		100,000 Hz.
Technology	White Edge LEDs	RGB OLED
Used		
	LED Arrays	White OLED
	Dynamics Array	
Price	Fabrication of LED substrate is	Fabrication of OLED substrate is
Y 10	lower cost.	more costly.
Life	Life of LED displays is higher	OLED Displays have lower
	than OLED.	lifetime than LED displays. The
		reason behind this use of organic materials which have limited life
		period.
Colors	LED Displays have lesser color	Material used in OLEDs to
Colors	space than OLED displays.	produce blue color degrades
	space than OLLD displays.	more quickly as compare to
		material used to produce other
		colors. This variation in blue