



- High Luminous LEDs
- 5mm Standard Directivity
- UV Resistant Epoxy
- Water Clear

- Electronic Signs and Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

1: Anode
2: Cathode

Unit: mm
Tolerance: ± 0.2 mm
unless otherwise noted

Item	Symbol	Value		Unit
		W/M/B/PG	Y/O/R	
DC Forward Current	I _F	30	30	mA
Pulse Forward Current#	I _{FP}	100	100	mA
Reverse Voltage	V _R	5	5	V
Power Dissipation	P _D	102	78	mW
Operating Temperature	T _{opr}	-30 ~ +85		°C
Storage Temperature	T _{stg}	-40~ +100		°C
Lead Soldering Temperature	T _{sol}	260°C/5sec		-

Part Number	Color			V _F (V)			I _R (μA)	I _v (mcd)			λD(nm)			θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I _F =20mA			V _R =5V	I _F =20mA						
OSW54K5L31A	White	W		-	2.9	3.4	10	12000	14400	-	8500-18000K(X:0.27,Y:0.28)			30
OSM54K5L31A	Warm White	M		-	2.9	3.4	10	12000	14400	-	2700-3200K(X:0.45,Y:0.41)			30
OSB5DA5L31A	Blue	B		-	2.9	3.4	10	4200	5800	-	465	470	475	30
OSG58A5L31A	Pure Green	PG		-	2.9	3.4	10	12000	14400	-	520	525	530	30
OSY5PA5L31A	Yellow	Y		-	2.1	2.6	10	5800	7000	-	585	590	595	30
OSO5PA5L31A	Orange	O		-	2.1	2.6	10	5800	7000	-	600	605	610	30
OSR5PA5L31A	Red	R		-	2.1	2.6	10	5800	7000		620	625	630	30

*4 Tolerance of measurements of forward voltage is +0.1 V



REACH
The new EU chemicals legislation

