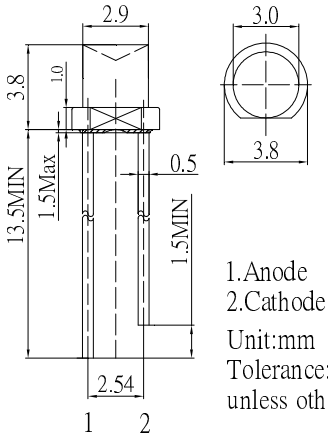
OptoSupply
Light It Up

3mm Concave LED
OSXXXX33A1E(Water Clear Type)
OSXXXX33A3E(Color Transparent Type)
484 Series

■Features
- High Luminous LEDs
- 3mm Concave Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type/ Color Transparent Type
- **Everlight:484 Series**

■Applications
- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



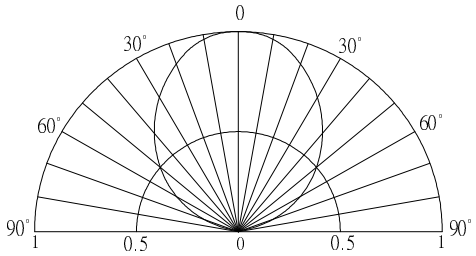
1.Anode
2.Cathode
Unit:mm
Tolerance:±0.20mm
unless otherwise noted

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		YG/Y/O/R	W/M	
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	78	108	mW
Operating Temperature	Topr	-30 ~ +85		℃
Storage Temperature	Tstg	-40~ +100		℃
Lead Soldering Temperature	Tsol	260℃/5sec		-

*Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	Iv(mcd)			CCT(K)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=20mA			V_R=5V	I_F=20mA						
OSW6DK33A1E	Cool White	W		2.8	3.1	3.6	10	500	750	-	13000-35000K(X:0.25,Y:0.26)			100
OSW64K33A1E	Cool White	W		2.7	3.0	3.6	10	1120	1560	-	13000-35000K(X:0.25,Y:0.26)			100
OSW5DK33A1E	Cool White	W		2.8	3.1	3.6	10	500	750	-	8500-18000K(X:0.27,Y:0.28)			100
OSW54K33A1E	Cool White	W		2.7	3.0	3.6	10	1120	1560	-	8500-18000K(X:0.27,Y:0.28)			100
OSW4DK33A1E	White	W		2.8	3.1	3.6	10	500	750	-	5500-8500K(X:0.31,Y:0.33)			100
OSW44K33A1E	White	W		2.7	3.0	3.6	10	1120	1560	-	5500-8500K(X:0.31,Y:0.33)			100
OSM5DK33A1E	Warm White	M		2.8	3.1	3.6	10	500	750	-	2700-3200K(X:0.44,Y:0.41)			100
OSM54K33A1E	Warm White	M		2.7	3.0	3.6	10	1120	1560	-	2700-3300K(X:0.44,Y:0.41)			100
OSM6DK33A1E	Warm White	M		2.8	3.1	3.6	10	500	750	-	2900-3800K(X:0.42,Y:0.40)			100
OSM64K33A1E	Warm White	M		2.7	3.0	3.6	10	1120	1560	-	2900-3800K(X:0.42,Y:0.40)			100

*1 Tolerance of measurements of chromaticity coordinate is ±10%
*2 Tolerance of measurements of dominant wavelength is ±1nm
*3 Tolerance of measurements of luminous intensity is ±15%
*4 Tolerance of measurements of forward voltage is ±0.1V

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484 Series

■Electrical -Optical Characteristics (Ta=25℃)

Part Number	Color			V_F (V)			I_R(μA)	Iv(mcd)			Wd(nm)*			2θ1/2(deg)
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
				I_F=20mA			V_R=5V	I_F=20mA						
OSG8NU33A1E	Yellow Green	YG		1.8	2.1	2.6	10	30	45	-	565	570	575	100
OSY5LU33A1E	Yellow	Y		1.8	2.1	2.6	10	68	100	-	585	590	595	100
OSY5JA33A1E	Yellow	Y		1.8	2.1	2.6	10	100	150	-	585	590	595	100
OSO5JA33A1E	Orange	O		1.8	2.1	2.6	10	150	220	-	600	605	610	100
OSR5JA33A1E	Red	R		1.8	2.1	2.6	10	100	150	-	620	625	630	100
OSR6LU33A1E	Red	R		1.8	2.1	2.6	10	45	68	-	630	640	650	100
OSG8NU33A3E	Yellow Green	YG		1.8	2.1	2.6	10	30	45	-	565	570	575	100
OSY5LU33A3E	Yellow	Y		1.8	2.1	2.6	10	68	100	-	585	590	595	100
OSY5JA33A3E	Yellow	Y		1.8	2.1	2.6	10	100	150	-	585	590	595	100
OSO5JA33A3E	Orange	O		1.8	2.1	2.6	10	150	220	-	600	605	610	100
OSR5JA33A3E	Red	R		1.8	2.1	2.6	10	100	150	-	620	625	630	100
OSR6LU33A3E	Red	R		1.8	2.1	2.6	10	45	68	-	630	640	650	100

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