3mm White AC LED 3000MCD 30°

Order code: **56-2312**

MPN: OSWWY23131E

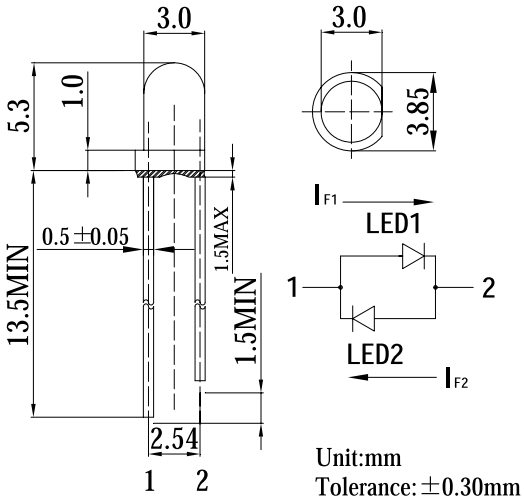
Features:

- High Luminous LEDs
- 3mm Straw Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- UV Resistant Epoxy/Water Clear Type
- AC LED

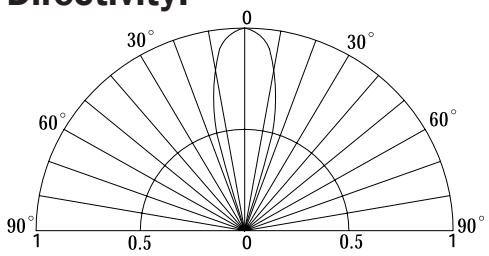
Applications

- Backlighting (illuminated advertising etc.)
- Substitution of Micro Incandescent Lamps
- Reading Lamps/Emergency Lighting
- Marker lights (e.g. steps, exit ways, etc.)
- Other Lighting

Outline dimensions:



Directivity:



Absolute maximum rating (Ta=25°C)

Item	Symbol	Value		Unit
		LED1	LED2	
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	108	108	mW
Operating temperature	Topr	–30 to +85		°C
Storage temperature	Tstg	–40 to +100		°C
Lead soldering temperature	Tsol	260°C/5sec		–
*Pulse width max. 10ms. Duty ratio max. 1/10				

Electrical – Optical characteristics (Ta=25°C)

Item	No.	Symbol	Condition	Min.	Typ.	Max.	Unit
DC forward voltage	LED1	V_{F1}	I_{F1} = 20mA	2.9	3.1	3.6	V
	LED2	V_{F2}	I_{F2} = 20mA	2.9	3.1	3.6	V
Chromaticity coordinates*	LED	x	I_{F1} = 20mA	–	0.27	–	nm
		y	I_{F2} = 20mA	–	0.28	–	nm
Luminous intensity*	LED1	I_{V1}	I_{F1} = 20mA	–	3000	–	mcd
	LED2	I_{V2}	I_{F2} = 20mA	–	3000	–	mcd
50% Power angle	LED1	$2\theta_{1/2}$	I_{F1} = 20mA	–	30	–	deg
	LED2	$2\theta_{1/2}$	I_{F2} = 20mA	–	30	–	deg
*1 Tolerance of dominant chromaticity is +10% *2 Tolerance of luminous intensity is ±15%							