

LED Fence Tube

Feature

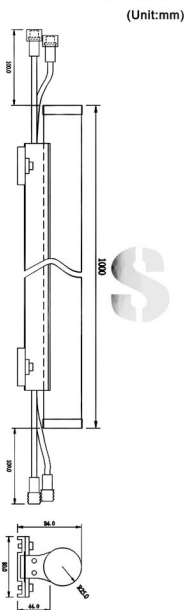
- 50 Φ Round Package
- White Diffused or Water Clear
- Protection Rating: IP65

Applications

RED YELLOW GREEN BLUE WHITE

Bridge, Building exterior
Calzada side, illumination

Outline Dimensions



Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		LKD-Φ50-135E/Y-100	LKD-Φ50-135G/B/W-100	
Forward Current	IF	25	25	mA
Peak Forward Current	IFP	150	100	mA
Reverse Voltage	VR	5		V
Operating Temperature	T _{opr}	-30 to +65		°C
Storage Temperature	T _{stg}	-30 to +85		°C
Soldering Temperature	T _{sd}	260±5		°C

Note: *1:IFP Conditions --- Pulse Width ≦ 1msec and Duty ≦ 1/10.

*2:Soldering time ≦ 5 seconds.

Characteristics

(T_a = 25°C)

LKD-Φ50-135E-100	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage*	Red	V _F	IF=20mA	-	2.0	2.5	V
Reverse Current*		I _R	VR=5V	-	-	10	μA
Total Flux		Φ _v	IF=20mA	40	-	350	lm
Dominant Wavelength		λ _d	IF=20mA	610	-	640	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

LKD-Φ50-135Y-100	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage*	Yellow	V _F	IF=20mA	-	2.0	2.5	V
Reverse Current*		I _R	VR=5V	-	-	10	μA
Total Flux		Φ _v	IF=20mA	35	-	320	lm
Dominant Wavelength		λ _d	IF=20mA	580	-	597	nm
Half Bandwidth		Δλ	IF=20mA	-	16	-	nm

LKD-Φ50-135G-100	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage*	Green	V _F	IF=20mA	-	3.2	4.0	V
Reverse Current*		I _R	VR=5V	-	-	10	μA
Total Flux		Φ _v	IF=20mA	80	-	700	lm
Dominant Wavelength		λ _d	IF=20mA	500	-	535	nm
Half Bandwidth		Δλ	IF=20mA	-	35	-	nm

LKD-Φ50-135B-100	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage*	Blue	V _F	IF=20mA	-	3.2	4.0	V
Reverse Current*		I _R	VR=5V	-	-	10	μA
Total Flux		Φ _v	IF=20mA	35	-	320	lm
Dominant Wavelength		λ _d	IF=20mA	450	-	480	nm
Half Bandwidth		Δλ	IF=20mA	-	30	-	nm

LKD-Φ50-135W-100	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage*	White	V _F	IF=20mA	-	3.2	4.0	V
Reverse Current*		I _R	VR=5V	-	-	10	μA
Total Flux		Φ _v	IF=20mA	50	-	500	lm
Chromaticity Coordinates		X	IF=20mA	0.24	-	0.36	
		Y	IF=20mA	0.25	-	0.37	

Note:* One emitting dot