

LED-080-70117



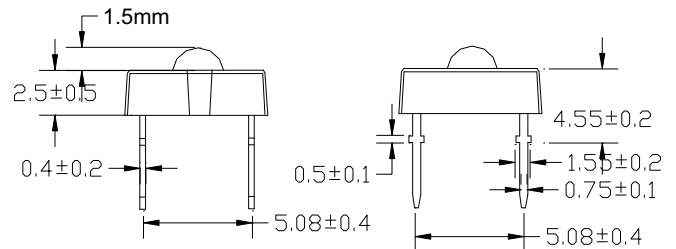
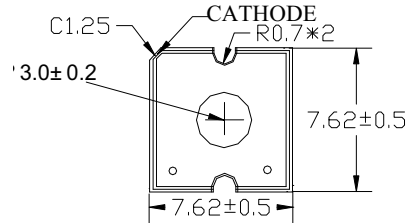
ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Features:

- Single color/单色
- High Luminous Flux Output/
高亮度输出
- High Current Operation/高工作电流
- Low power consumption/低功耗
- High reliability and long life/
高可靠性、长寿命

Descriptions:

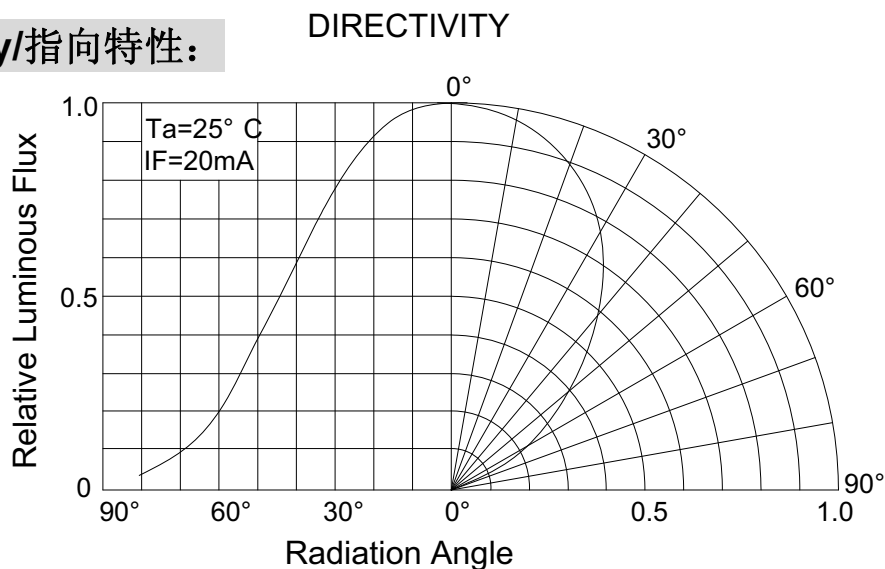
- Dice material/晶片材料: InGaN
- Emitting Color/发光颜色:
Warm color white/暖白色
- Device Outline/产品外形:
7.62mmX7.62mm
- Lens Type/胶体颜色:
Water Clear/无色透明



NOTE:

- All dimensions are millimetres.
- Tolerance is +/-0.25mm unless otherwise noted.

Directivity/指向特性:



FLUX LED SPECIFICATION

➤ Absolute maximum ratings/极限参数 (Ta = 25°C)

Parameter 参数	Symbol 符号	Test Condition 测试条件	Values 数值		Unit 单位
			Min.	Max.	
Reverse Voltage 反向电压	V _R	I _R = 30 μA	5	----	V
Forward Current 正向工作电流	I _F	----	----	30	mA
Power Dissipation 损耗功率	P _d	----	----	200	mW
Pulse Current 正向峰值电流	I _{peak}	Duty=0.1mS, 1kHz	----	150	mA
Operating Temperature 工作温度范围	T _{opr}	----	-40	+85	°C
Storage Temperature 储存温度范围	T _{str}	----	-40	+100	°C

➤ Electrical and optical characteristics/光电参数 (Ta = 25°C)

Parameter 参数	Symbol 符号	Test Condition 测试条件	Values 数值			Unit 单位
			Min.	Typ.	Max.	
Forward Voltage 正向电压	V _F	I _F = 30mA	3.4		4.0	V
Reverse Current 反向电流	I _R	V _R = 5V	----	----	30	μA
Luminous Flux 光通量	φ _v	I _F = 30mA		L,M		lm
Viewing Angle 角度	2θ 1/2	I _F = 30mA	70	----	80	Deg.

Color Temperature Bins Char/色温分档 (Ta = 25°C)

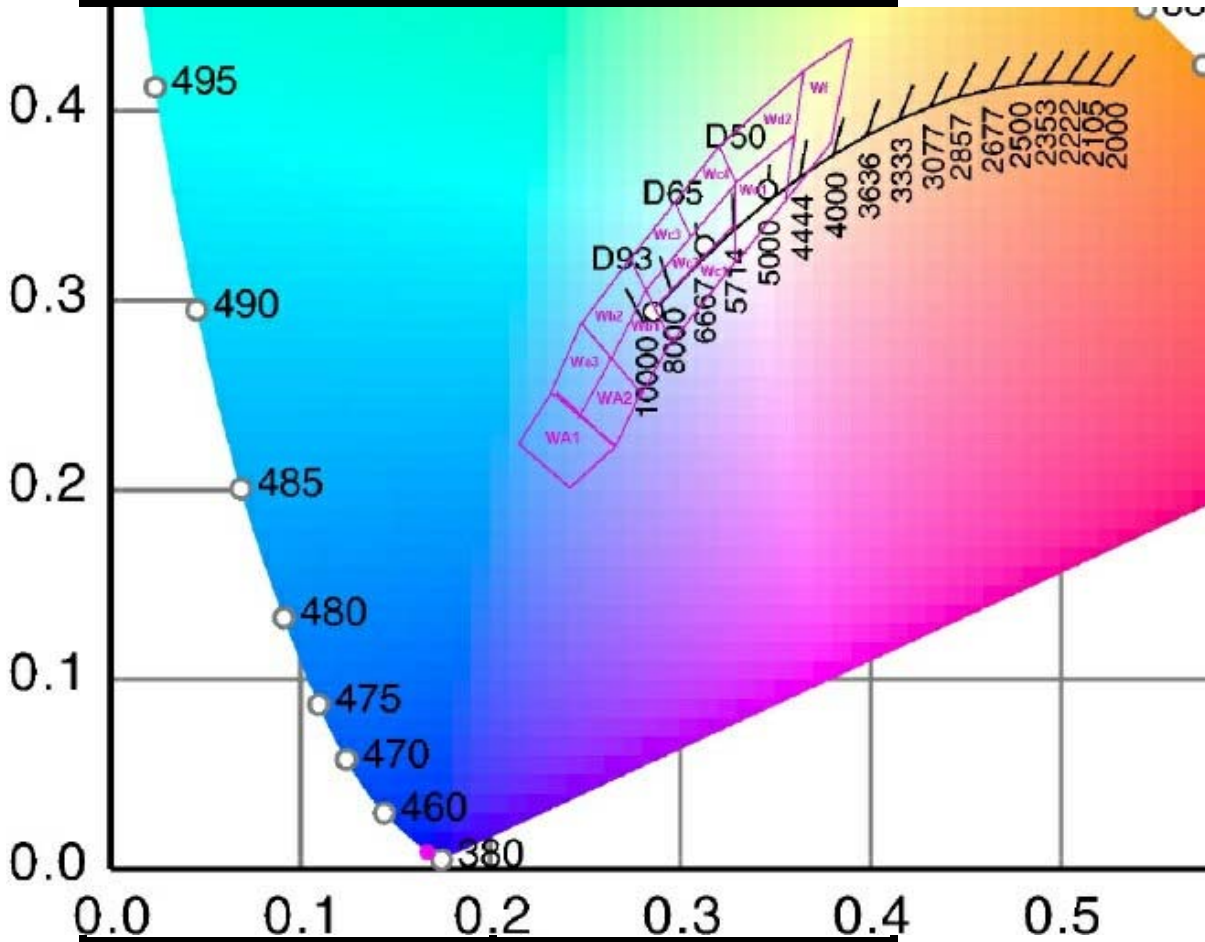
Bin	WP0	WP1	WP2	WP3	WP4
CCT	<2500	2500~2800	2800~3000	3000~3300	3300~3600
Bin	WP5	WP6	WP7	WP8	WP9
CCT	3600~4000	4000~4500	4500~5000	5000~6000	>6000

FLUX BIN FOR PIRANHA (UFO) LEDS

Bin Code	LM	Bin Code	LM	Bin Code	LM	Bin Code	LM
A	<=0.46	E	1.0-1.3	J	2.8-3.6	N	7.8-10.0
B	0.46-0.60	F	1.3-1.7	K	3.6-4.7	P	10-13
C	0.60-0.77	G	1.7-2.2	L	4.7-6.0	Q	13-17
D	0.77-1.0	H	2.2-2.8	M	6.0-7.8	R	17-22

FOR WHITE COLOR BINS SEE PAGE 3B

Placing of white color BINs on CIE table



FORWARD VOLTAGE (VF) BIN

Bin Code	VF (V)	Bin Code	VF (V)	Bin Code	VF (V)	Bin Code	VF (V)
V1	1.6-1.8	V5	2.4-2.6	V9	3.2-3.4	V13	4.0-4.2
V2	1.8-2.0	V6	2.6-2.8	V10	3.4-3.6	V14	4.2-4.4
V3	2.0-2.2	V7	2.8-3.0	V11	3.6-3.8	V15	4.4-4.6
V4	2.2-2.4	V8	3.0-3.2	V12	3.8-4.0	V16	4.6-4.8

FLUX LED SPECIFICATION

➤ Typical electrical/optical characteristic curves/光电特性曲线:

