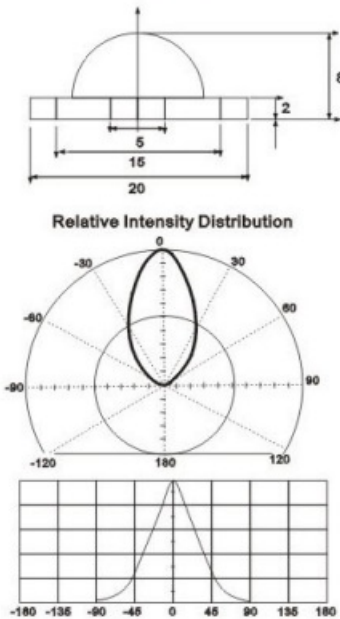


1W、2W、5W、10W HIGH POWER LED LAMP

XYZPQ-1 high power 1W WHITE LED SERIES

X—Forward Current Y—Color temperature Z—Color Rendering Index P—Luminous FLUX Q—Half Angle



Features

White led: high power and color rendering index.
Low energy consumption, high reliability, long life, no flickering.

Applications

purpose lamp, flash light, travelling light, emergency light, mine light, alarm light and every kind floodlight.

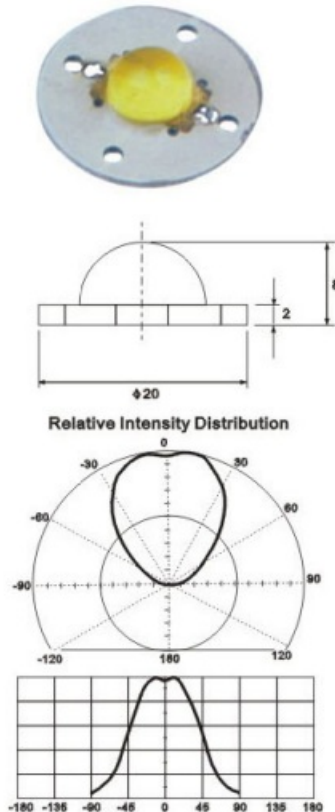
Specifications(Ta=25°C)

Parameter	Symbol	Min	Nominal	Max	Unit	Test Condition
X Forward Current	A	---	20	---	mA	In rated If condition
	B	---	40	---		
	D	---	80	---		
	F	---	120	---		
	H	---	360	---		
P Luminous FLUX	A	10≤FLUX<15		Lm		
	B	15≤FLUX<20				
	C	20≤FLUX<25				
	D	25≤FLUX<30				
	E	30≤FLUX<35				
	F	35≤FLUX				
Q Half Angle	2	2θ 1/2	60≤2θ 1/2<80		deg	
Y Color Temperature	D	---	2700K	---	---	
	N	---	2900K	---		
	B	---	3450K	---		
	L	---	4000K	---		
	Z	---	5000K	---		
	R	---	6400K	---		
Z Color Rendering Index	1	CRI<76		---		
	2	76≤CRI<80				
	3	80≤CRI<90				
	4	CRI≥90				
Operating Temperature	T _{OPR}	-25	---	70	°C	
Storage Temperature	T _{STG}	-30	---	80	°C	

XYZPQ-2 high power 2W WHITE LED SERIES

OPERATING CONDITION;

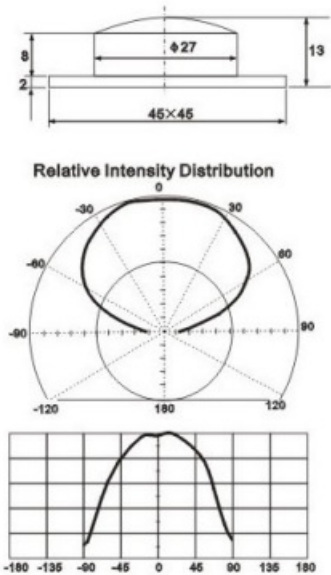
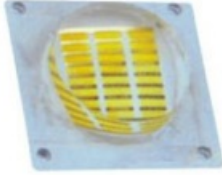
- It should add the reflection equipment, the operating temperature: 25°C (should be below 50°C).
- The current limiting resistor must be provided in the driving circuit of led and the circuit should be designed so as to drive led within the rated value.



Parameter	Symbol	Min	Nominal	Max	Unit	Test Condition	
X Forward Current	A	---	20	---	mA	In rated If condition	
	B	---	40	---			
	D	---	80	---			
	F	---	120	---			
P Luminous FLUX	A	20≤FLUX<30		Lm			
	B	30≤FLUX<40					
	C	40≤FLUX<50					
	D	50≤FLUX<60					
	E	60≤FLUX<70					
	F	70≤FLUX					
Q Half Angle	2	2θ 1/2	80≤2θ 1/2<100		deg		
Y Color Temperature	D	---	2700K	---	---		
	N	---	2900K	---			
	B	---	3450K	---			
	L	---	4000K	---			
	Z	---	5000K	---			
	R	---	6400K	---			
Z Color Rendering Index	1	CRI<76		---			
	2	76≤CRI<80					
	3	80≤CRI<90					
	4	CRI≥90					
Operating Temperature	T _{OPR}	-25	---	70	°C		
Storage Temperature	T _{STG}	-30	---	80	°C		

XYZPQ-5high power 5W WHITE LED SERIES

X—Forward Current Y—COLOR TEMPERATURE Z—Color Rendering Index P—Luminous FLUX Q—Half Angle



Applications

purpose lamp, emergency light and every kind flood light.

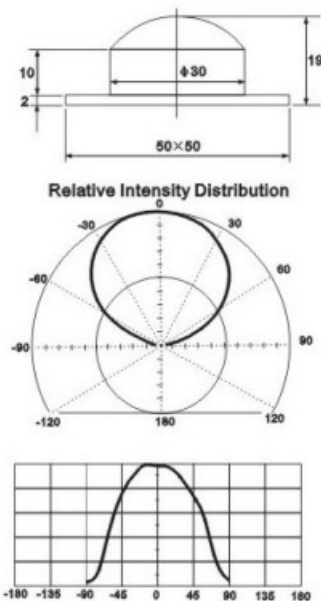
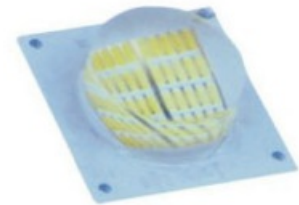
Specifications(Ta=25°C)

Parameter	Symbol	Min	Nominal	Max	Unit	Test Condition
X Forward Current	G If	---	240	---	mA	
P Luminous FLUX	A	FLUX	60≤FLUX<80		Lm	In rated If condition
	B		80≤FLUX<100			
	C		100≤FLUX<120			
	D		120≤FLUX<140			
	E		140≤FLUX<160			
	F		160≤FLUX			
Q Half Angle	3	2θ 1/2	100≤2θ 1/2<120		deg	
	4		120≤2θ 1/2<140			
Y Color Temperature	D	TC	---	2700K	---	
	N		---	2900K	---	
	B		---	3450K	---	
	L		---	4000K	---	
	Z		---	5000K	---	
	R		---	6400K	---	
Z Color Rendering Index	1	CRI	CRI<76		---	
	2		76≤CRI<80			
	3		80≤CRI<90			
	4		CRI≥90			
Operating Temperature	TOPR	-25	---	70	°C	
Storage Temperature	TSTG	-30	---	80	°C	

XYZPQ-10 high power 10W WHITE LED SERIES

OPERATING CONDITION;

- a. It should add the reflection equipment, the operating temperature: 25°C(should be below 50°C).
- b. The current limiting resistor must be provided in the driving circuit of led and the circuit should be designed so as to drive led within the rated value.



Parameter	Symbol	Min	Nominal	Max	Unit	Test Condition
X Forward Current	J If	---	500	---	mA	
P Luminous FLUX	A	FLUX	120≤FLUX<150		Lm	In rated If condition
	B		150≤FLUX<180			
	C		180≤FLUX<210			
	D		210≤FLUX<240			
	E		240≤FLUX<270			
	F		270≤FLUX			
Q Half Angle	3	2θ 1/2	100≤2θ 1/2<120		deg	
	4		120≤2θ 1/2<140			
Y Color Temperature	D	TC	---	2700K	---	
	N		---	2900K	---	
	B		---	3450K	---	
	L		---	4000K	---	
	Z		---	5000K	---	
	R		---	6400K	---	
Z Color Rendering Index	1	CRI	CRI<76		---	
	2		76≤CRI<80			
	3		80≤CRI<90			
	4		CRI≥90			
Operating Temperature	TOPR	-25	---	70	°C	
Storage Temperature	TSTG	-30	---	80	°C	

Notes:

The data are a typical presentation of the product, We can also make LED as per customers' requirements.