

- **Features**

Emitting color: white

Easy installation

Soft light

High Luminous Efficacy

Excellent colour rendition

Low power consumption

Long operating lifespan

Low decay

Infinitesimal thermal resistance, High heat dissipation efficiency



- **Description**

The White source color devices are made with InGaN on sapphire White Light Emitting Diode.

- **Applications**

LED daylight lamp

Reading lamp

Street lamp

LED backlight

Energy saving lamp

Indoor and Outdoor commercial lighting

Decorative and Entertainment lighting

- **Device Selection Guide**

Part No.	Chip		Lens color
	Material	Emitting color	
	InGaN	White	Yellow Diffused

- **Parameter**

Item no	lighting area (mm)	pcb type	lighting source type	color temperature range (K)
	Φ45	Aluminium	upper lighting	2700~8000

- **Optical Characteristics**

Symbol	Parameter	Min	Type	Max	Unit
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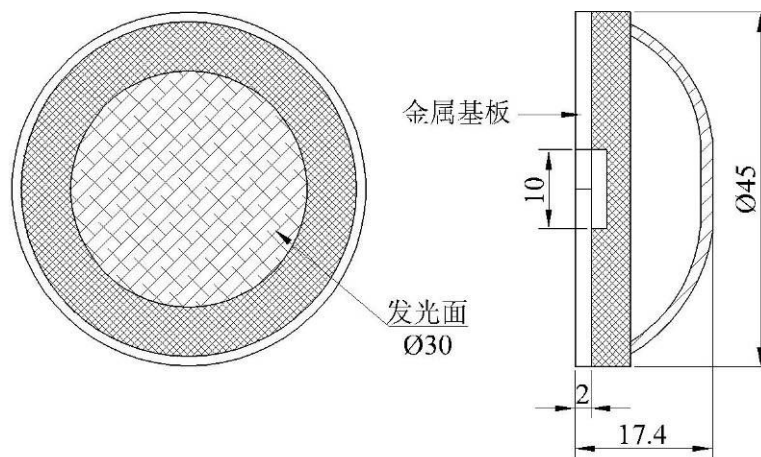
I_f	Operating current	-	350	-	mA
V_f	Forward Voltage	10.8	12	12.8	V
Φ	Luminous Intensity	360	400	-	Lm
T_c	Color temperature	-	6500	-	K
R_a	color rendering index	75	80	-	

● Absolute maximum ratings

Symbol	Parameter	Min	Type	Max	Unit
P	power dissipation	-	4	-	W
T_o	junction temperature	-40	-	65	°C
T_{stg}	storage temperature range	-40	-	85	°C
R_{th}	thermal resistance	-	-	0.53	°C/W

Note: the condition of the test result data in the diagram above is $T_c=25$ degree ,the product of Light Panel with color temperature is 6400k.

● Package dimensions



● Caution

Led light panel needs to work with heat sink, control board temperature should be less than 65°C

Fill heat conducting pastes between LED light panel base board and heat sink

Connect power according polarity mark + and -