

Dongguan Hongke Lighting Co.,LTD

Tel:86-769-28682546

Fax:86-769-28682546

Email:sales1@hklighting.com.cn

LED Product Specifications

Product Name: 30 watts 585-595nm Yellow Led

Version No.: 01

Product Description:

- 30 Watts high power LED
- Colloid Color: Water clear
- Emission Color: Yellow
- Viewing Angle:140°

Dice Material: InGaAlN



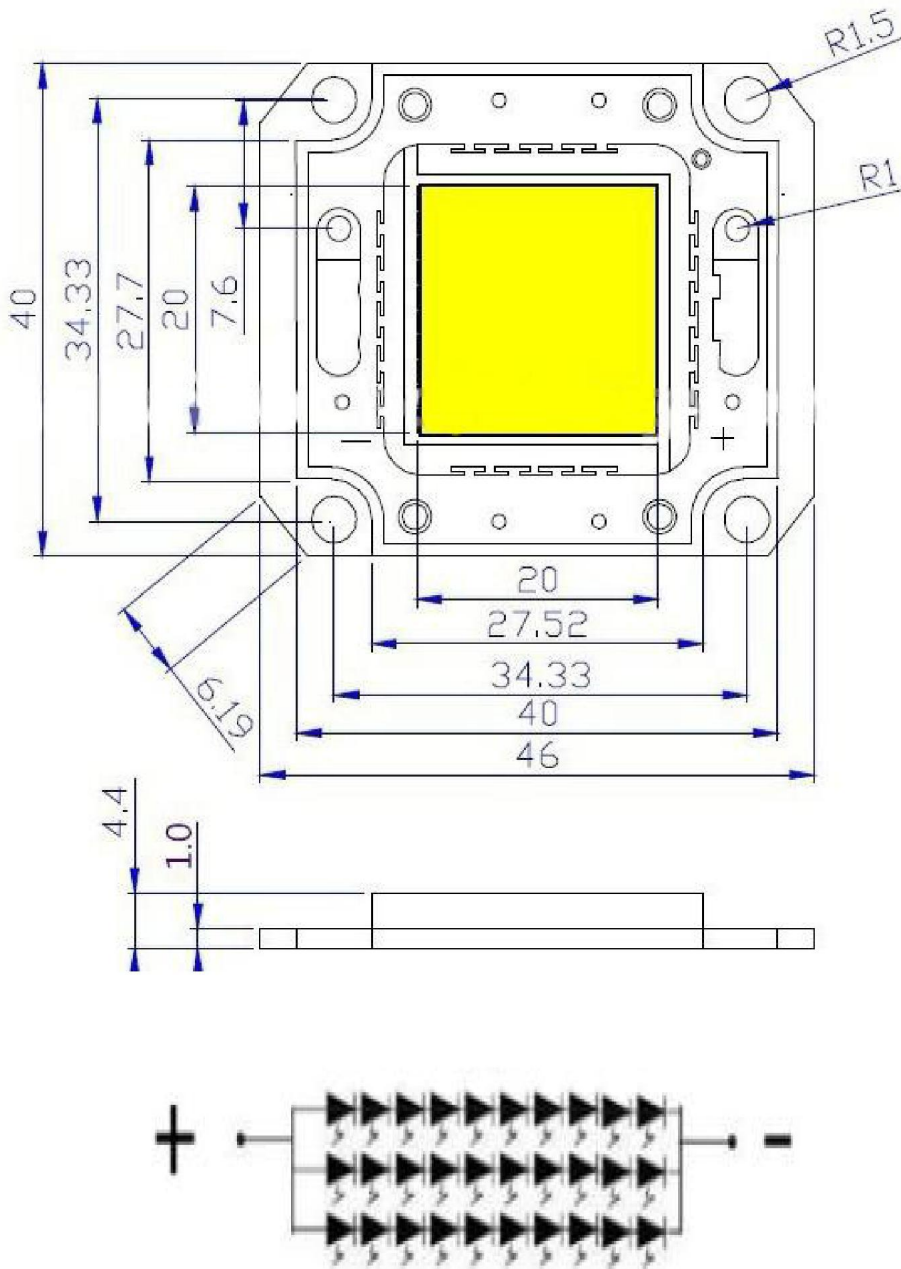
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Outline Drawing



Notes:

1. All dimensions area in mm tolerance is ± 0.25 mm unless otherwise noted.
2. An epoxy meniscus may extend about 1.2mm down the leads.
3. Burr around bottom of epoxy may be 0.5mm max.

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Absolute Maximum Ratings (Ta = 25 °C)

Items	Symbol	Maximum	Units
DC Forward Current	I_F	900	mA
Peak pulse current	I_{Pulse}	1050	mA
Reverse Voltage	V_R	50	V
Power consumption	P_D	30	W
Operation Temperature	T_{opr}	-20~+75	°C
Storage Temperature	T_{stg}	-30~+80	°C
Lead Soldering Temperature	T_{sol} (3mm from	Max 260°C for 5 sec Max. the base of the body)	

* Pulse width ≤ 0.1msec duty ≤ 1/10

Product Optical Properties (Ta = 25 °C)

Item	Symbol	Conditions	Min	Average	Max	Units
Forward Voltage	V_F	$I_F = 900\text{mA}$	19	--	22	V
Reverse current	I_R	$V_R = 50\text{V}$	---	80	---	μA
Color Temperature	CCT	$I_F = 900\text{mA}$	----	----	---	K
Peak Wavelength	λ_p	$I_F = 1050\text{mA}$	585	---	595	nm
Luminous Intensity	I_v	$I_F = 1050\text{mA}$	4000	---	4500	lm
50% power Angle	$2\theta^{1/2}_{H-H}$	$I_F = 900\text{mA}$	---	145	---	deg
	$2\theta^{1/2}_{V-V}$	$I_F = 900\text{mA}$		---	---	deg

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Important Notes:

- 1) All ranks will be included per delivery; rank ratio will be determined by Hongke.
- 2) Tolerance of measurement of luminous intensity is $\pm 15\%$.
- 3) Tolerance of measurement of VF is ± 0.05 V.
- 4) Color Coordinates Measurement allowance is ± 0.015 .
- 5) For reliability test conditions and data, Please refer to "Reliability Test" section on page 6.
- 6) As we are making continuous efforts to improve the performance of LED, Specifications are subject to change without notice.