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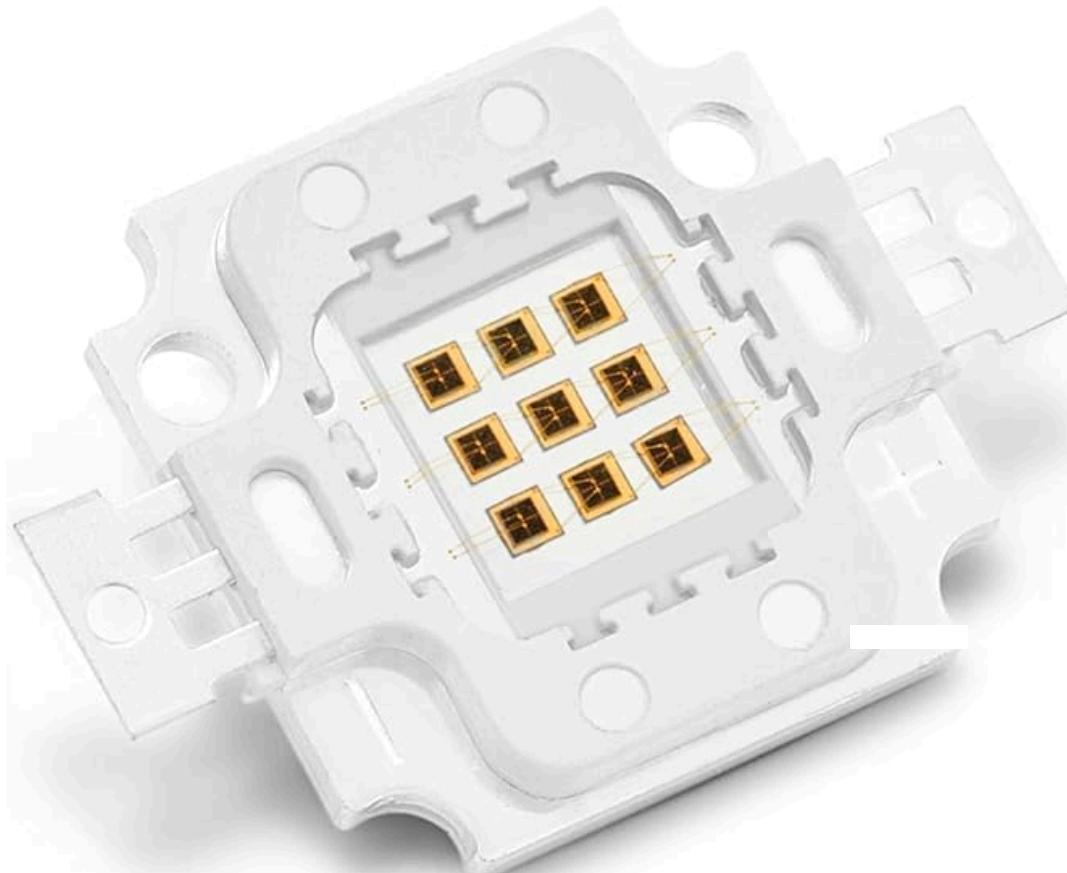
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Color: **O) Infrared Ir (850nm)**

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Brand	CHANZON
Light Type	LED
Special Feature	Electrode Type: Copper
Wattage	10 watts
Bulb Shape Size	B10

About this item

- 10Watt / Infra Red / 850nm / 45mil chips / 120 - 140 degree Light Emitting Angle Lightbulbs
- Input(DC): 900mA / 5V-6V (Best Match with "Chanzon 900mA Constant Current LED Driver")

- Integrated Chanzon High Quality COB LED Panel, High Brightness Chip on Circuit Board / Double Golden Wire / Copper Frame)
- 50000 Hours Life Span (Working Temperature should be less than 60℃（140F) with a Heat Sink System)
- Total Shipping Weight: 0.46oz / 0.013kg (Pack of 1)

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Product information

Technical Details

Brand	CHANZON
Light Type	LED
Special Feature	Electrode Type: Copper
Wattage	10 watts
Bulb Shape Size	B10
Bulb Base	E26
Incandescent Equivalent Wattage	10 Watts
Specific Uses For Product	Lamp
Light Color	red
Voltage	5 Volts
Unit Count	1 Count
Number of Items	1
Shape	Circular
Material	Copper
Indoor/Outdoor Usage	Indoor
Power Source	DC
Beam Angle	120 Degrees
Power Consumption	10 Watts
Item Package Quantity	1
Light Source Type	Infrared

Additional Information

ASIN	B01DBZK4EM
Customer Reviews	4.1 ⁘ (251) 4.1 out of 5 stars
Best Sellers Rank	#59,186 in Industrial & Scientific (See Top 100 in Industrial & Scientific) #3,663 in LED Bulbs
Date First Available	March 23, 2016

Warranty & Support

Amazon.com Return Policy: **Amazon.com Voluntary 30-Day Return Guarantee:** You can return many items you have purchased within 30 days following delivery of the item to you. Our Voluntary 30-Day Return Guarantee does not affect your legal right of withdrawal in any way. You can find out more about the exceptions and conditions here.

Feedback

Would you like to **tell us about a lower price?**

Item Weight	0.04 Pounds
Light Source Wattage	10 Watts
Accepted voltage frequency	100 to 240 Volts and 50 Hertz to 60 Hertz
Control Method	Touch
Average Life	50000 Hours
Efficiency	Low (Visible Light)
Manufacturer	CHANZON
Color	O) Infrared Ir (850nm)
Part Number	1DGL-JC-10W-850
Item Weight	0.64 ounces
Product Dimensions	6.69 x 5.12 x 0.39 inches
Size	10 Watts
Finish	Copper
Special Features	Electrode Type: Copper
Batteries Included?	No
Batteries Required?	No

Product Videos

Chanzon

Chanzon 10W Led Chip Multi Colors (White Red UV Infrared..)

Product Description

Specification:
Quantity: 1 piece / Pack
Brand: Chanzon
Power: 10W Watt (Max)

Emitting Color: Infrared (IR 850nm)
Recommended Current: 900mA
Forward Voltage: 5-6V
Luminous Flux: No
Emitting Angle: 120-140 degree
With Double Golden Wire (99.99%) and Copper Frame

Kindly Reminder:
Constant current LED drivers are recommended for high power COB LEDs.
Working temperature should be less than 60 Degrees Celsius / (140 Fahrenheit) with a Heat Sink System.
Please refer to the positive (anode +) and negative (cathode -) sign on Leds.
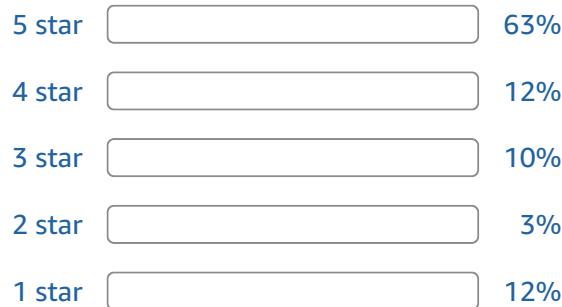
Related Accessories:
Constant current LED drivers (900mA Plastic Case): **? Search B01MTC9QPD on Amazon**
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Constant current LED drivers (900mA No Case only PCB Board): **? Search B01MUDW4A7 on Amazon**

Customer reviews

4.1 out of 5

251 global ratings

5 star		63%
4 star		12%
3 star		10%
2 star		3%
1 star		12%

How customer reviews and ratings work

Customers say

Customers find the LED bulb works well and is super bright, with one mentioning it's right on spec for lumen output. Moreover, the product receives positive feedback for its quality, with one customer noting its good CRI. However, the bulb gets very hot during operation, and customers report it starts to flicker. While some find it easy to install and consider it good value for money, others find it expensive. The color quality and ease of assembly receive mixed reviews.
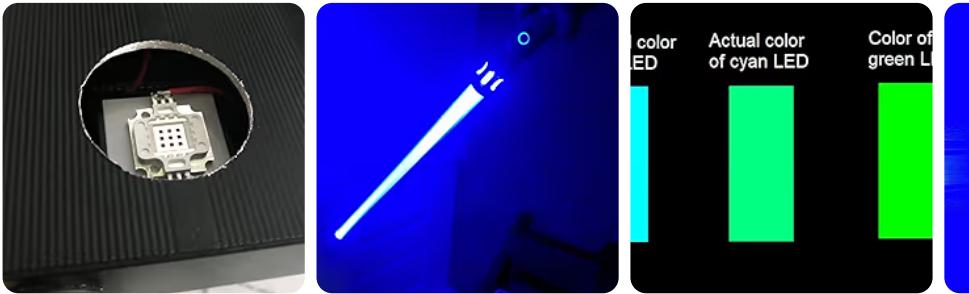
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✓ Works well (20) | ✓ Brightness (17) | ✓ Quality (14) | — Color quality (8) |
— Ease of assembly (4) | — Value for money (4) | ⊖ Heat dissipation (12) |
⊖ Light level (4)

Reviews with images

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## Top reviews from the United States
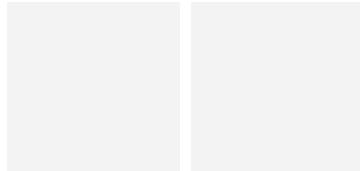
Robert

Bright!

Reviewed in the United States on April 4, 2017

Color: R) Rgb   Verified Purchase

Bright!!! All work perfect and all light evenly. I've bought lots of LEDs from Chanzon. SMDs, 3mm, 5mm, COBs, I've never gotten a bad one. Great LEDs! I've gotten 2 RGBS and two Royal blue LEDs (One 10w royal blue seen in photo below I used to make a prop lightsaber. It's insanely bright!). These get hot really fast so good heatsinking is a must.

5 people found this helpful

Helpful   Report

An electronics hobbyist

The totally invisible 940nm LED array chip works

Reviewed in the United States on December 8, 2025

Color: P) Infrared Ir (940nm)   Verified Purchase

The totally invisible 940nm LED array chip works well, the forward voltage is less than 4V @900mA, so the total power consumption is less than 3.6W, not 10W as specified. Using this chip is less than straight forward and with the 900mA constant current driver sold by Chanzon, 2 of the same chips connected in series would be required to conform to the voltage requirement, which should be in the range of 6V to 10V, in my suggested configuration, that's about 8V, so it's correct.

Furthermore, good heatsinks would be required, better if a fan is attached, or using a much bigger heatsink, or the chips would experience thermal-runaway, which may destroy the chips, slowly or quickly. It may not be as dangerous as screwing up a rechargeable battery, but you'd still lose money. One guy bought 100 LED array chips, destroyed 80% of them.

Helpful   Report

Mauser

Junk!

Reviewed in the United States on November 26, 2025

Color: B) Natural-white (4000k)   **Verified Purchase**

The output was just right. Everything else was junk. No matter how I set it up the same thing happened. It worked fine for 3 to 4 minutes, then as it got hotter it started flashing and eventually would shut down. I would let it cool down and it would repeat the same cycle. Turn on . . . flash . . . shut down.

Helpful   Report

MV

10W 12V LED chip Consistent light level between chips

Reviewed in the United States on March 13, 2025

Color: C) White (6000k)   **Verified Purchase**

I use these as a strobe light replacement for old SUN Distributor machines. I have had trouble with other vendors having bad segments and low brilliance. These have good

performance and I will stay with these for future machines.

One person found this helpful

Helpful   Report

greg s

Unstable power draw
Reviewed in the United States on January 25, 2024
Color: B) Natural-white (4000k)   **Verified Purchase**

As others mentioned, this thing gets very hot, which is expected. However, in all my trials, it did not shut down on its own (though it was hot enough to melt plastic around it), and, most importantly, the current draw depends on the temperature of the light. Say you give it 9v. It draws 5w in the beginning, but then, as it warms up (with a heatsink) - it starts drawing more, which results in it warming up even more, further driving current flow, growing as much as 50% of its original power draw. This is a problem if designing lights that require deterministic power envelopes and/or current draw. My concern is that you can test it in a cool lab for as long as you want, then install in a warmer place, and they will run away melting/breaking.
Turns on quickly, rough estimate - under 30ms to full brightness

2 people found this helpful

Helpful   Report

Sonnyc

It works but doesn't last long.
Reviewed in the United States on December 13, 2024
Color: C) White (6000k)   **Verified Purchase**

The bulb works good but didn't last long. It started to flicker and now dim after a little more than a year.
Still cheap to replace it each year but it will not last 50,000 hrs

2 people found this helpful

Phillip Zeuner

Great color

Reviewed in the United States on January 19, 2025

Color: C) White (6000k)   **Verified Purchase**

Really good CRI on this. Stated 6-6.5k, seems more around 5k compared to other 6k arrays I use, but I think I'm comparing a poor CRI 6k to a 6k with a really good CRI so it's a more 'full spectrum' reflection of whatever I'm seeing (deeper colors). Light output is strong as well, on par with my other 3x3 arrays.

Uncle Larry

This sumbich is BRIGHT!

Reviewed in the United States on October 2, 2023

Color: C) White (6000k)   **Verified Purchase**

And what others have said, it does get hot when you run it directly from 9-11 V. I needed it for a desk lamp I made and didn't want it that bright so I connected it to a 9V supply through a 1 ohm, 1W resistor. And, I mounted it with heat sink grease to a small sheet of aluminum that was roughly 3 sq. in. Using an infrared gun, the aluminum measures 85 degrees F.

7 people found this helpful

Top reviews from other countries

spyke-the-tyke

Small tidy unit.

Reviewed in the United Kingdom on June 4, 2018

Color: Q) Far-red Ir (730nm)   **Verified Purchase**

They work and seem well constructed but I have not had chance to see how they preform overall.

Report

しんちゃん

中々良い作りですね。遊びとしては、

Reviewed in Japan on August 17, 2025

Color: P) Infrared Ir (940nm)   **Verified Purchase**

投入電力によりものすごく熱をもちます。電流値制御に可変抵抗と放熱対策必要。
フルに電流流すと熱暴走をおこしやけどをします。投光器使わないと１０メートル位光はでていますが、チップを貼り付けてあるだけなのでレンズ効果はありません。良くある🔦だとチップが拡大され離れても赤く見えるようです。**940nm**より上を使うとだんだんと見えなくなってきますが、画像処理の必要性、撮像フイルター外しなども。**1000nm**を越えるものもありますが、**960nm**あたりが遊びとしては良いですね。
　おわり

Report

Jean-Claude El-Chidiac

Not that strong IR light

Reviewed in Canada on August 22, 2023

Color: O) Infrared Ir (850nm)   **Verified Purchase**

I tested both LEDs together yesterday through my phone camera with a 9v and 12v batteries and it did not hide its close environment. As a an experience, it doesn't hide a face or be used to obstruct CCTV cameras as described in some videos. Not to mention the

extreme heat that generate these LEDs and the potential damage to the eyes if not well protected for the IR light. Overall works fine.

Report

Jay M

Works as advertised

Reviewed in the United Kingdom on July 6, 2018

Color: C) White (6000k)   **Verified Purchase**

Replaced my broken led with this one, low cost, and perfect match

Report

Andrew Fowler

Five Stars

Reviewed in the United Kingdom on March 23, 2018

Color: R) Rgb   **Verified Purchase**

Received as described A+

Report

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