







## About Us

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### QUEENDOM GROUP (HK) LIMITED

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SCIENCE MUSEUM ROAD  
TSIMSHATSUI, KOWLOON HK

Website



WHATSAPP



WeChat

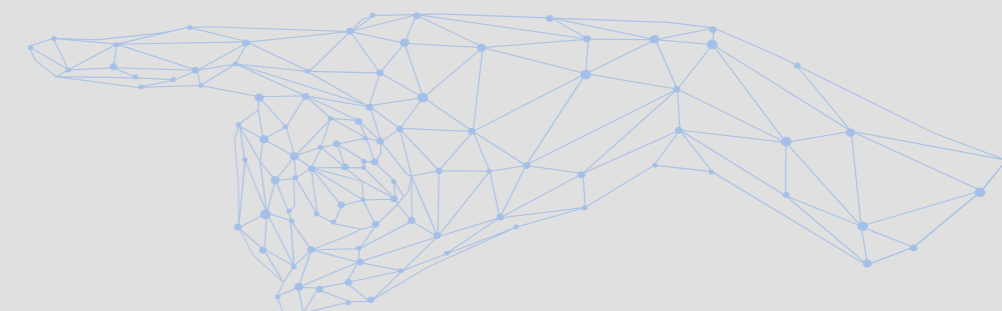


创新、高效、卓越

XUAN CHUAN HUA CE



Queendom Group Technology Co., Ltd.  
Corporate product brochure






Innovation: We firmly believe that innovation is the source of enterprise development, continue to invest in research and development, and continue to explore cutting-edge technology.

Efficiency: We focus on efficient operations to ensure that projects are delivered on time and meet customer needs to the greatest extent.

Excellence: We pursue excellence as our goal and strive to create greater value and influence for our customers.

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# About Us

## company background

Founded in 2004, China QUEENDOM is a national technology enterprise integrating R&D, production, sales and service. Its main R&D, production and sales of semiconductor packaging equipment business covers the entire LED industry chain: from LED light source semiconductor packaging equipment to LED optics Lamps, integrated LED lighting solutions, we will continue to develop LED products for more diversified applications and provide customers with various impeccable product solutions

It has internationally advanced equipment testing equipment and is equipped with precision testing equipment: LED packaging production line automatic die bonding machine, automatic wire bonding machine, automatic spectrometer, fully automatic sealing machine; packaging production capacity exceeds 400KK/month. The finished product industry has invested in four high-speed SMT placement machines, five AI automatic plug-in machines, six DIP production lines and LED finished product aging lines. The monthly output of LED lamps is 400,000 pieces, and the monthly output of other electronic products is 1 million sets.

## Company History

After years of development, we have achieved excellence in the digital field. From a small team in the early days of establishment to a medium- to large-scale stable enterprise now, we have always adhered to the principles of technological innovation and customer first.

## Company Vision and Mission

Our vision is to become a global leader in the digital field, promote the advancement of digital technology, and create greater value for customers. Our mission is to help customers achieve digital transformation and move towards a better future through technological innovation.

# Professional team

## Talent Overview

We have technical engineers with 20 years of industry experience. Our team is composed of elites in multiple fields such as technical experts, marketing experts, and project management experts. We are committed to providing customers with high-quality services.

Team members cover product designers, software engineers, marketing experts, digital solution consultants and other fields. We attach great importance to employee training and development and invest 20% of our annual output value in employee continuing education and skill improvement.

## technology strength

We have strong technical strength and possess a number of LED-related core technologies. In the field of LED market application solutions, we have successfully developed 50 applications, covering different industries and fields. Our R&D team invests in scientific research and technological innovation every year to maintain leading technological competitiveness.

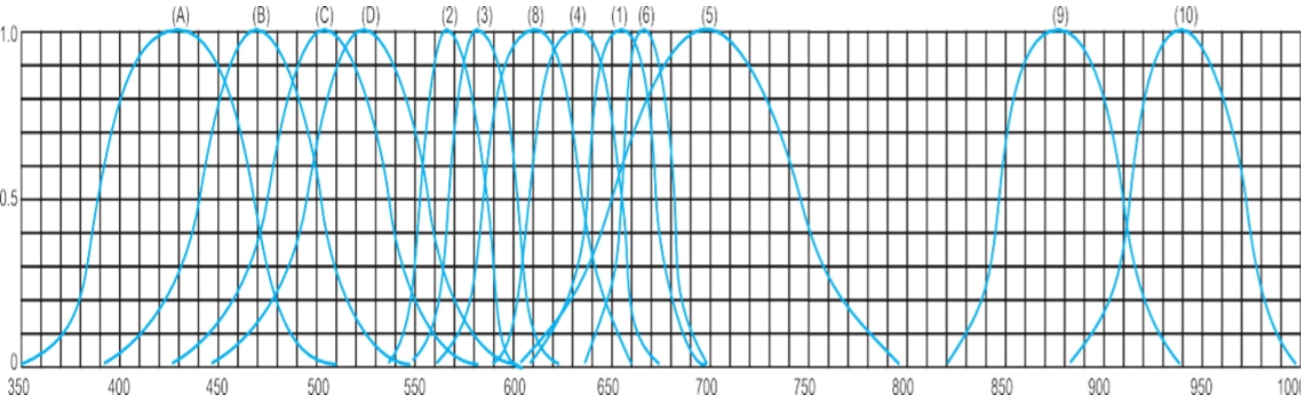
## Creativity

Innovation is the soul of our team. Every year we invest a certain percentage of our operating income in innovative research and development to develop new products and services to meet the changing needs of our customers. We focus on cooperation with universities and scientific research institutions, keep pace with the times, and maintain technological leadership.



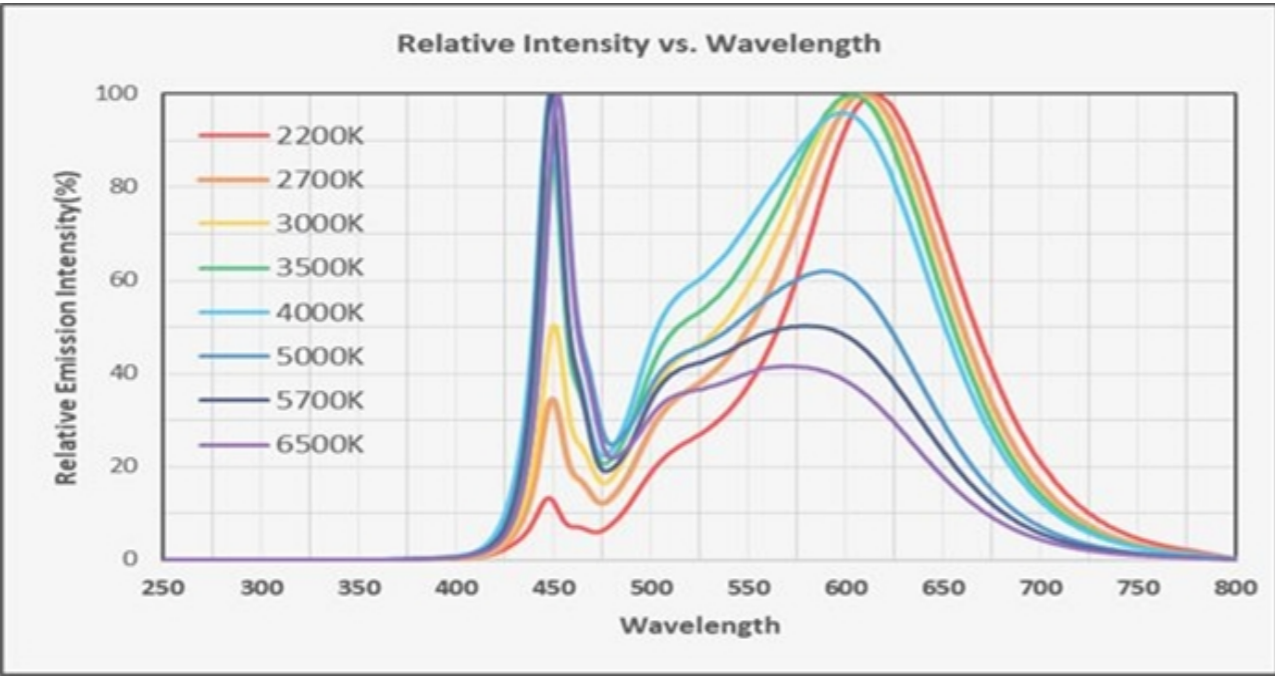
## TYPICAL ELECTRICAL-OPTICAL CHARACTERISTICS CURVES

### Color spectral curve

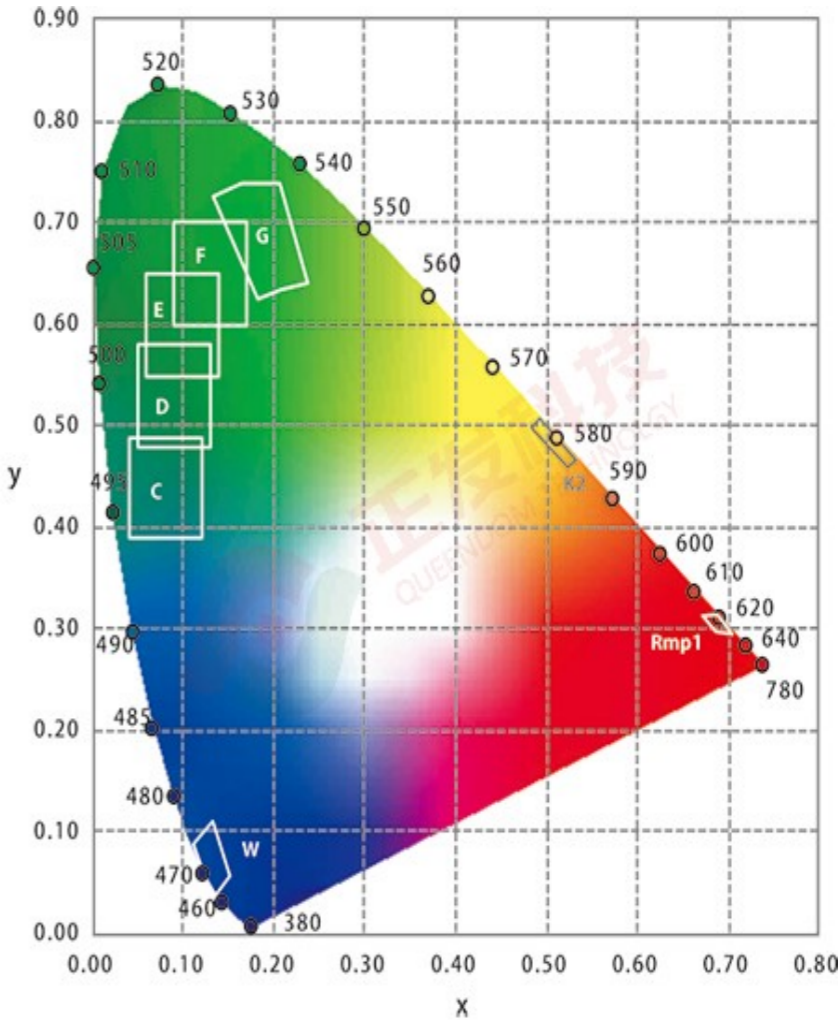


- (1)wGaAsP/GaAs 655nm/Red
- (2)wGaP 568nm/Yellow Green
- (3)wGaAsP/GaP 585nm/Yellow(A) GaN/SiC 430nm/Blue
- (4)wGaAsP/GaP 635nm/Orange & Hi-Eff Red(B) InGaN/SiC 470nm/Blue
- (5)wGaP 700nm/Bright Red(C) InGaN/SiC 502nm/Ultra Green
- (6)wGaAlAs/GaAs 660nm/Super Red(D) InGaAl/SiC 523nm/Ultra Green
- (7)wGaAsP/GaP 610nm/Super Red
- 8) GaAlAs 880nm
- 9) GaAs/GaAs & GaAlAs/GaAs 940nm

### LED White color temperature curve



## LED spectral distribution



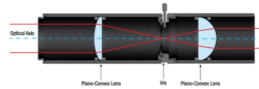
## Introduction to PCR real-time fluorescence

Introduction to PCR real-time fluorescence

Polymerase chain reaction (PCR) is one of the most powerful molecular biology techniques. Using PCR, specific sequences in a DNA or cDNA template can be replicated or "amplified" thousands to a million times using sequence-specific oligonucleotides, thermostable DNA polymerases, and thermal cycling. In traditional (endpoint) detection, the sequence of PCR products is determined by gel electrophoresis and image analysis.

For real-time quantitative PCR, the PCR product is measured every cycle. By monitoring the reaction during its exponential amplification phase, the user can determine the initial amount of the target with high precision. PCR can theoretically amplify DNA exponentially, doubling the number of target molecules per cycle. When it was first developed, scientists thought that the number of cycles and the amount of final PCR product could be used to calculate the initial amount of genetic material by comparing it to a known standard. Speech requires robust quantification, real-time quantitative PCR and endpoint PCR were developed.

Primarily used to amplify specific DNA for sequencing, cloning, and for use in other molecular biology techniques. In real-time PCR, the amount of DNA is yield increased by fluorochrome per cycle. Fluorescence signal proportional to amount. The resulting PCR product molecule (amp)





Round 5mm LEDsseries

SIZE:mm

Type: 5mm round with flange

Size: 5mm x 8.7mm

Power: 0.2W

Voltage: 1.8-3.4V

Color CCT: 3000/4000/5000K

Color: red, orange, yellow, green, emerald green, blue, purple,IR

Current: 40mA

Efficacy: 80-110 lm/w

CRI: 90 CRI

Appearance: Clear

Bracket: iron silver-plated

Material: 99.99% gold

Length: 18/16mm & 28/26mm

Chip material: GaN, AlP, GaAs, etc.

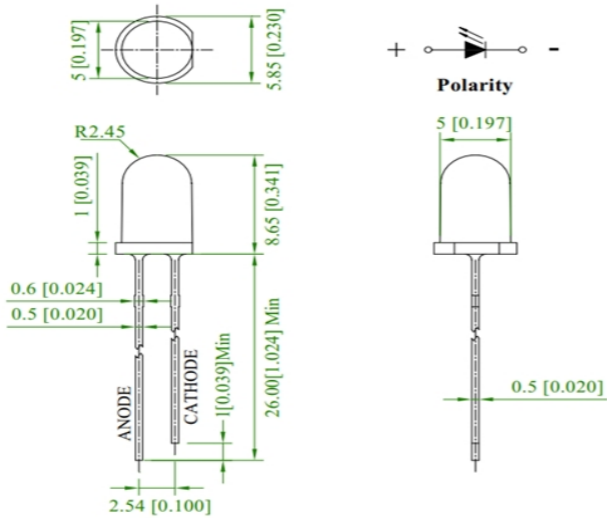
Chip brand: Jingyuan, Sanan, CREE, Toyota, New Century;

Chip specifications: typical specifications 10\*18mil 10\*20mil 10\*30mil, etc.;

Divergence angle: 25°

Certification standards: ROHS, REACH, EN60471.

Operating temperature: -40°C to +85°C



AREAS OF APPLICATION



medical instruments,  
testing equipment,  
PCR,  
biotechnology

Absolute Maximum Ratings

PARAMETER	RED \ ORANGE \ YELLOW\ GENERAL GREEN\ IR	UV\ GREEN \ BLUE \ WHITE
Parameter PD (mW)	180	200
DC Forward Current [1, 2]	60	
Peak Pulsed Forward Current [1, 3]	100	
LED Junction Temperature [1] (DC & Pulse)	115°C	
Reverse Voltage (Vreverse)	5	
ESD Sensitivity (ANSI/ESDA/JEDEC JS-001-2012)	Class 2	
LED Storage Temperature	-40°C to 80°C	
Operating Temperature Range	Minus 40°C To plus 80°C	
Soldering Temperature	JEDEC 020c 260°C	
Allowable Reflow Cycles	3~5 Seconds	
ESD Sensitivity	2000V HBM	

5mm Bio-UV LEDs

Table Optical characteristics for QUEENDOM LED at 20mA, Tj=25°C.

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		TYPICAL FLUX [3] (mcd)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT	LEAD LENGTH
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2Θ 1/2	(mA)	(MM)
B5VE304C	UVTH026	405	400	410	90	190	2.80	4.00	25	20	28/26
B5VF304C	UVTH027	395	390	400	40	120	2.80	4.00	25	20	28/26
B5VE304C	UVTH028	385	380	390	40	80	2.80	4.00	25	20	28/26
B5VD304C	UVTH029	385	370	380	40	80	2.80	4.00	25	20	28/26
B5VC304C	UVTH030	365	360	380	40	80	2.80	4.00	25	20	28/26

5mm Bio-LEDs & Visible light

Table Optical characteristics for QUEENDOM LED at 20mA, Tj=25°C.

PRODUCT	RANK NO.	NOMINAL (nm)	PEAK (nm)		FLUX (lm)		FLUX (mcd)		RADIANT (mW/sr)		VOLTAGE (Vf)	
			MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
B5B6304CC	MBT101	470	470	480	5	10	11700	23700	40	60	2.8	3.2
B5G0304CC	MBT102	505	500	515	15	30	40700	56700	18	30	2.8	3.2
B5G2304CC	MBT103	520	515	530	15	30	40700	56700	18	30	2.8	3.2
B5G3304CC	MBT104	530	530	540	15	30	40700	56700	18	30	2.8	3.2
B5Y2304CC	MBT105	585	585	595	5	10	8200	19200	40	60	1.8	2.3
B5R1304CC	MBT106	605	610	620	5	10	11700	23700	18	30	1.8	2.3
B5R2304CC	MBT107	620	620	630	5	10	11700	23700	18	30	1.8	2.3
B5R3304CC	MBT108	630	630	640	5	10	11700	23700	18	30	1.8	2.3
B5R4304CC	MBT109	640	640	660	4	8	11700	19200	18	30	1.8	2.3
B5R5304CC	MBT110	660	660	680	2	6	500	2460	18	30	1.8	2.3
B5WV304CC	MBT111	3000K			16	22	32700	56700	40	60	2.8	3.4
B5WU304CC	MBT112	3500K			16	22	32700	23700	40	60	2.8	3.4
B5WT304CC	MBT113	4000K			16	24	32700	23700	40	60	2.8	3.4
B5WR304CC	MBT114	5000K			16	24	32700	19200	40	60	2.8	3.4
B5WQ304CC	MBT115	5700K			16	24	32700	19200	40	60	2.8	3.4
B5WP304CC	MBT116	6500K			16	24	32700	19200	40	60	2.8	3.4

5mm Bio-IR LEDs

Table Optical characteristics for QUEENDOM LED at 20mA, Tj=25°C.

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		RADIANT INTENSITY((mW/sr)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT	LEAD LENGTH
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2Θ 1/2	(mA)	(MM)
B5EI304C	HLIL0210	750	730	750	8	15	1.4	1.6	25	20	28/26
B5ID304C	HLIL0211	780	760	790	7	13	1.4	1.6	25	20	28/26
B5IC304C	HLIL0212	850	830	860	7	13	1.4	1.6	25	20	28/26
B5IB304C	HLIL0213	880	870	890	7	13	1.3	1.6	25	20	28/26
B5IA304C	HLIL0214	940	930	950	6	12	1.2	1.5	25	20	28/26

3535 high-power LEDs series

SIZE:mm

Type: 3535 ceramic high-power LEDs

Size: 3.5mm x 3.5mm

Power: 3-8W

Voltage: 3V-9V

Color CCT: 3000/4000/5000K

Color: red, orange, yellow, green, emerald green, blue, purple,IR

Current: 700mA

Efficacy: 80-160 lm/w

CRI: 90 CRI

Appearance: Clear

Packaging substrate: ceramic

Material: 99.99% gold

Chip material: LGaP、GaAs、GaAsP、GaAlAs etc.

Chip brand: Jingyuan, Sanan, CREE, Toyota, New Century;

Chip specifications: typical specifications 30\*30mil ,38\*38mil , 40\*40mil , 45\*45mil, etc.;

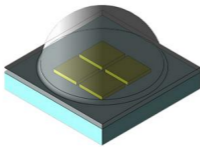
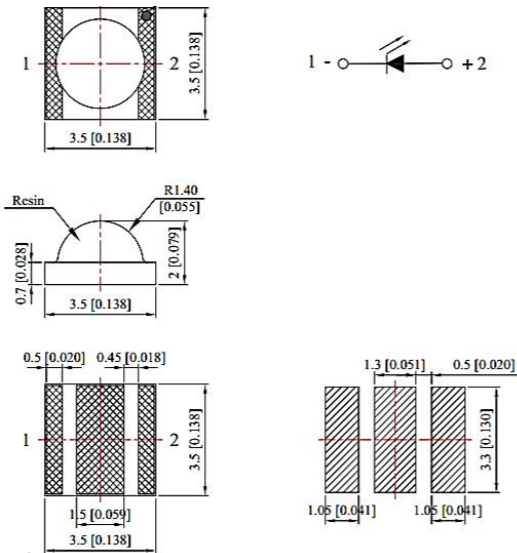
Divergence angle: 120° [Optional angle: 60° 90°]

Certification standards: ROHS, REACH, EN60471.

Operating temperature: -40°C to +85°C

AREAS OF APPLICATION

medical instruments,  
testing equipment,  
PCR,  
biotechnology



Absolute Maximum Ratings

PARAMETER	RED \ ORANGE \ YELLOW\ GENERAL GREEN\ IR	UV\ GREEN \ BLUE \ WHITE
Parameter PD (mW)	≤12W (3W/CHIP)	≤12W (3W/CHIP)
DC Forward Current [1, 2]	700	
Peak Pulsed Forward Current [1, 3]	1000	
LED Junction Temperature [1] (DC & Pulse)	125°C	
Reverse Voltage (Vreverse)	5	
ESD Sensitivity (ANSI/ESDA/JEDEC JS-001-2012)	Class 2	
LED Storage Temperature	-40°C to 80°C	
Operating Temperature Range	Minus 40°C To plus 80°C	
Soldering Temperature	JEDEC 020c 260°C	
Allowable Reflow Cycles	3~5 Seconds	
ESD Sensitivity	2000V HBM	

Product Selection Guide

Table Optical characteristics for QUEENDOM LED at 350mA, Tj=25°C.

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		TYPICAL FLUX [3] (mcd)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2θ 1/2	(mA)
HP3535B52WE	HP0125	460	460	470	25	55	2.8	3.2	120	300
HP3535B62WE	HP0126	470	470	480	25	55	2.8	3.2	120	300
HP3535G02WE	HP0127	500	500	510	70	100	2.8	3.2	120	300
HP3535G12WE	HP0128	510	510	520	90	120	2.8	3.2	120	300
HP3535G22WE	HP0129	520	520	530	90	120	2.8	3.2	120	300
HP3535G32WE	HP0130	530	530	540	85	115	2.8	3.2	120	300
HP3535Y22WE	HP0131	585	585	595	35	65	1.8	2.4	120	300
HP3535AO2WE	HP0132	605	600	610	35	65	1.8	2.4	120	300
HP3535R22WE	HP0133	620	610	630	35	65	1.8	2.4	120	300
HP3535R32WE	HP0134	630	620	640	35	65	2.8	3.2	120	300
HP3535R42WE	HP0135	640	640	660	35	65	2.8	3.2	120	300
HP3535R52WE	HP0136	660	660	680	15	30	2.8	3.2	120	300
HP3535B52WF	HP0137	460	460	470	75	105	2.8	3.2	120	700
HP3535B62WF	HP0138	470	470	480	75	105	2.8	3.2	120	700
HP3535G02WF	HP0139	500	500	510	210	240	2.8	3.2	120	700
HP3535G12WF	HP0140	510	510	520	270	300	2.8	3.2	120	700
HP3535G22WF	HP0141	520	520	530	270	300	2.8	3.2	120	700
HP3535G32WF	HP0142	530	530	540	255	285	2.8	3.2	120	700
HP3535Y22WF	HP0143	585	585	595	105	135	1.8	2.4	120	700
HP3535AO2WF	HP0144	605	600	610	105	135	1.8	2.4	120	700
HP3535R22WF	HP0145	620	610	630	105	135	1.8	2.4	120	700
HP3535R32WF	HP0146	630	620	640	105	135	1.8	2.4	120	700
HP3535R42WF	HP0147	640	640	660	105	135	1.8	2.4	120	700
HP3535R62WF	HP0148	660	660	680	105	135	1.8	2.4	120	700

 3535 White power LEDs series

PRODUCT	RANK NO.	NOMINAL [1]	CRI [2]	FORWARD VOLTAGE [3] (Vf)		TYPICAL FLUX [4] (lm)		EFFICACY	TYPICAL	TEST CURRENT
		CCT/K	Ra	MIN	MAX	MIN	MAX	(lm/W)	2Θ 1/2	(mA)
HP3535WY2WE	HP0101	2700K	80	2.8	3.2	100	160	130	120	300
HP3535WV2WE	HP0102	3000K	80	2.8	3.2	100	160	130	120	300
HP3535WU2WE	HP0103	3500K	80	2.8	3.2	100	160	130	120	300
HP3535WT2WE	HP0104	4000K	80	2.8	3.2	100	160	130	120	300
HP3535WR2WE	HP0105	5000K	80	2.8	3.2	100	160	130	120	300
HP3535WQ2WE	HP0106	5700K	80	2.8	3.2	100	160	130	120	300
HP3535WP2WE	HP0107	6500K	80	2.8	3.2	100	160	130	120	300
HP3535WD2WE	HP0108	7600K	80	2.8	3.2	100	160	130	120	300
HP3535WY2WF	HP0109	2700K	80	2.8	3.2	190	240	130	120	700
HP3535WV2WF	HP0110	3000K	80	2.8	3.2	190	240	130	120	700
HP3535WU2WF	HP0111	3500K	80	2.8	3.2	190	240	130	120	700
HP3535WT2WF	HP0112	4000K	80	2.8	3.2	190	240	130	120	700
HP3535WR2WF	HP0113	5000K	80	2.8	3.2	190	240	130	120	700
HP3535WQ2WF	HP0114	5700K	80	2.8	3.2	190	240	130	120	700
HP3535WP2WF	HP0115	6500K	80	2.8	3.2	190	240	130	120	700
HP3535WD2WF	HP0116	7600K	80	2.8	3.2	190	240	130	120	700
HP3535WY4WF	HP0117	2700K	80	2.8	3.2	210	430	130	120	1000
HP3535WV4WF	HP0118	3000K	80	2.8	3.2	210	430	130	120	1000
HP3535WU4WF	HP0119	3500K	80	2.8	3.2	210	430	130	120	1000
HP3535WT4WF	HP0120	4000K	80	2.8	3.2	210	430	130	120	1000
HP3535WR4WF	HP0121	5000K	80	2.8	3.2	210	430	130	120	1000
HP3535WQ4WF	HP0122	5700K	80	2.8	3.2	210	430	130	120	1000
HP3535WP4WF	HP0123	6500K	80	2.8	3.2	210	430	130	120	1000
HP3535WD4WF	HP0124	7600K	80	2.8	3.2	210	430	130	120	1000

 3535 UV high-power LEDs series

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		RADIOMETRIC POWER [3] (mW)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2Θ 1/2	(mA)
HP3535V12WB	UVSL1410	254	250	260	2	6	4.50	7.00	120	40
HP3535V22WB	UVSL1411	265	260	270	2	6	4.50	7.00	120	40
HP3535V32WB	UVSL1412	275	270	280	3	7	4.50	7.00	120	40
HP3535V42WB	UVSL1413	285	280	300	3	7	4.50	7.00	120	40
HP3535V72WB	UVSL1414	310	300	340	4	10	4.50	7.00	120	40
HP3535VC2WB	UVSL1415	365	360	380	15	40	2.80	4.50	120	40
HP3535VD2WB	UVSL1416	375	370	380	15	40	2.80	4.50	120	40
HP3535VE2WB	UVSL1417	385	380	390	15	40	2.80	4.50	120	40
HP3535VF2WB	UVSL1418	395	390	400	20	40	2.80	4.50	120	40
HP3535V12WD	UVSL1419	254	250	260	6	15	4.50	7.00	120	150
HP3535V22WD	UVSL1420	265	260	270	6	15	4.50	7.00	120	150
HP3535V32WD	UVSL1421	275	270	280	6	15	4.50	7.00	120	150
HP3535V42WD	UVSL1422	285	280	300	15	40	4.50	7.00	120	150
HP3535V72WD	UVSL1423	310	300	340	15	40	4.50	7.00	120	150
HP3535VC2WD	UVSL1424	365	360	370	80	120	2.80	4.50	120	150
HP3535VD2WD	UVSL1425	375	370	380	80	120	2.80	4.50	120	150
HP3535VE2WD	UVSL1426	385	380	390	90	190	2.80	4.50	120	150
HP3535VF2WD	UVSL1427	395	390	400	90	190	2.80	4.50	120	150
HP3535V12WE	UVSL1428	254	250	260	25	60	4.00	7.00	120	350
HP3535V22WE	UVSL1429	265	260	270	30	60	4.00	7.00	120	350
HP3535V32WE	UVSL1430	275	270	280	30	80	4.00	7.00	120	350
HP3535VC2WE	UVSL1431	365	360	370	80	120	2.80	4.50	120	350
HP3535VD2WE	UVSL1432	375	370	380	80	300	2.80	4.50	120	350
HP3535V42WE	UVSL1433	285	280	300	40	80	4.00	7.00	120	350
HP3535V72WE	UVSL1434	310	300	340	40	80	4.00	7.00	120	350
HP3535VE2WE	UVSL1435	385	380	390	120	300	2.80	4.50	120	350
HP3535VF2WE	UVSL1436	395	390	400	120	300	2.80	4.50	120	350
HP3535VE2WE	UVSL1437	405	400	410	190	500	2.80	4.50	120	350

 3535 IR high-power LEDs series

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		RADIOMETRIC POWER [3] (mW/sr)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2Θ 1/2	(mA)
HP3535IH2WE	THLIL0801	850	840	860	130	160	1.40	2.00	120	300
HP3535IK2WE	THLIL0802	880	870	890	150	180	1.40	2.00	120	300
HP3535IQ2WE	THLIL0803	940	930	960	180	300	1.40	2.00	120	300
HP3535IH2WF	THLIL0804	850	840	860	150	180	1.40	2.00	120	500
HP3535IK2WF	THLIL0805	880	870	890	170	210	1.40	2.00	120	500
HP3535IQ2WF	THLIL0806	940	930	960	200	330	1.40	2.00	120	500
HP3535IH2WF	THLIL0807	850	840	860	290	490	1.40	2.00	120	800
HP3535IK2WF	THLIL0808	880	870	890	290	490	1.40	2.00	120	800
HP3535IQ2WF	THLIL0809	940	930	960	670	1070	1.40	2.00	120	800

5050 high-power LEDs series

SIZE:mm

Type: 5050 ceramic high-power LEDs

Size: 5.0 mm x 5.0 mm

Power: 3-14 W

Voltage: 3V-12 V

Color CCT: 3000/4000/5000K

Color: red, orange, yellow, green, emerald green, blue, purple,IR

Current: <1500 mA

Efficacy: 80-160 lm/w

CRI: 90 CRI

Appearance: Clear

Packaging substrate: ceramic

Material: 99.99% gold

Chip material: LGaP、GaAs、GaAsP、GaAlAs etc.

Chip brand: Jingyuan, Sanan, CREE, Toyota, New Century;

Chip specifications: typical specifications 30\*30mil ,38\*38mil , 40\*40mil , 45\*45mil, etc.;

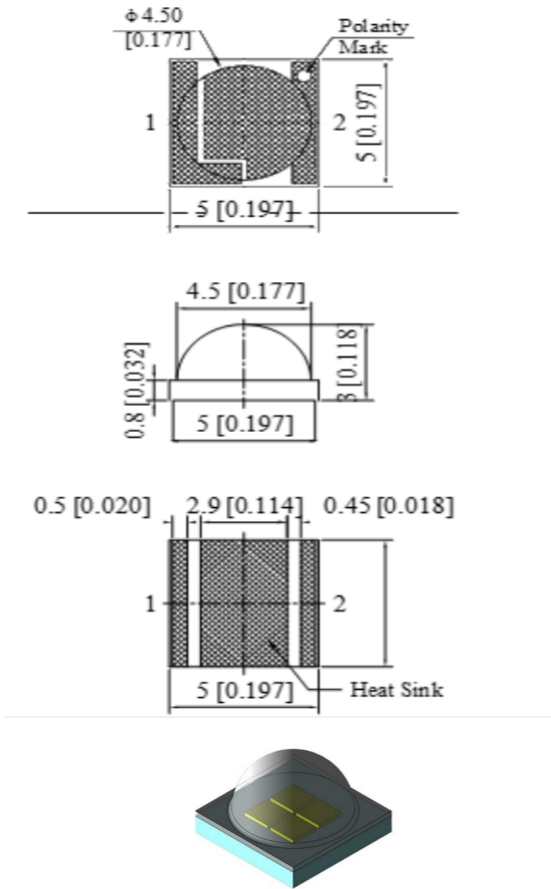
Divergence angle: 120° [Optional angle: 60° 90°]

Certification standards: ROHS, REACH, EN60471.

Operating temperature: -40°C to +85°C

AREAS OF APPLICATION

medical instruments,  
testing equipment,  
PCR,  
biotechnology



Absolute Maximum Ratings

PARAMETER	RED \ ORANGE \ YELLOW\ GENERAL GREEN\ IR	UV\ GREEN \ BLUE \ WHITE
Parameter PD (mW)	≤12 (3W/CHIP)	≤14W (3W/CHIP)
DC Forward Current [1, 2]	700	1200
Peak Pulsed Forward Current [1, 3]	1000	1500
LED Junction Temperature [1] (DC & Pulse)	125°C	
Reverse Voltage (Vreverse)	5	
ESD Sensitivity (ANSI/ESDA/JEDEC JS-001-2012)	Class 2	
LED Storage Temperature	-40°C to 80°C	
Operating Temperature Range	Minus 40°C To plus 80°C	
Soldering Temperature	JEDEC 020c 260°C	
Allowable Reflow Cycles	3~5 Seconds	
ESD Sensitivity	2000V HBM	

5050 high-power Color LEDs series

Product Selection Guide

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		TYPICAL FLUX [3] (mcd)		FORWARD VOLTAGE [1] (Vf)		EFFICAC Y	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	(lm/W)	(mA)
HP5050B52WF	HP0225	460	460	470	150	180	2.6	3.2	50	700
HP5050B62WF	HP0226	470	470	480	150	180	2.6	3.2	50	700
HP5050G02WF	HP0227	500	500	510	320	360	2.6	3.2	110	700
HP5050G12WF	HP0228	510	510	520	320	360	2.6	3.2	120	700
HP5050G22WF	HP0229	520	520	530	390	440	2.6	3.2	130	700
HP5050G32WF	HP0230	530	530	540	390	440	2.6	3.2	125	700
HP5050Y22WF	HP0231	585	585	595	150	190	1.8	2.4	55	700
HP5050AO2WF	HP0232	605	600	610	190	240	1.8	2.4	60	700
HP5050R22WF	HP0233	620	610	630	170	190	1.8	2.4	65	700
HP5050R32WF	HP0234	630	620	640	170	190	1.8	2.4	60	700
HP5050R42WF	HP0235	640	640	660	65	90	1.8	2.4	60	700
HP5050R62WG	HP0236	660	660	680	10	30	1.8	2.4	20	700
HP5050B52WG	HP0237	460	460	470	200	240	2.6	3.2	50	1200
HP5050B62WG	HP0238	470	470	480	200	240	2.6	3.2	50	1200
HP5050G02WG	HP0239	500	500	510	560	640	2.6	3.2	110	1200
HP5050G12WG	HP0240	510	510	520	560	640	2.6	3.2	120	1200
HP5050G22WG	HP0241	520	520	530	560	720	2.6	3.2	130	1200
HP5050G32WG	HP0242	530	530	540	560	720	2.6	3.2	125	1200
HP5050Y22WG	HP0243	585	585	595	200	240	1.8	2.4	55	1200
HP5050AO2WG	HP0244	605	600	610	240	280	1.8	2.4	60	1200
HP5050R22WG	HP0245	620	610	630	240	280	1.8	2.4	65	1200
HP5050R32WG	HP0246	630	620	640	240	280	1.8	2.4	60	1200
HP5050R42WG	HP0247	640	640	660	100	180	1.8	2.4	60	1200
HP5050R62WG	HP0248	660	660	680	20	40	1.8	2.4	30	1200

5050 White high-power LEDs series

PRODUCT	RANK NO.	NOMINAL [1]	CRI [2]	FORWARD VOLTAGE [3] (Vf)		TYPICAL FLUX [4] (lm)		EFFICACY	TYPICAL	TEST CURRENT
		CCT/K	Ra	MIN	MAX	MIN	MAX	(lm/W)	2θ 1/2	(mA)
HP5050WY2WF	HP0201	2700K	80	2.80	4.60	190	240	130	120	700
HP5050WV2WF	HP0202	3000K	80	2.80	4.60	190	240	135	120	700
HP5050WU2WF	HP0203	3500K	80	2.80	4.60	190	240	140	120	700
HP5050WT2WF	HP0204	4000K	80	2.80	4.60	190	240	143	120	700
HP5050WR2WF	HP0205	5000K	80	2.80	4.60	190	240	150	120	700
HP5050WQ2WF	HP0206	5700K	80	2.80	4.60	190	240	155	120	700
HP5050WP2WF	HP0207	6500K	80	2.80	4.60	190	240	160	120	700
HP5050WD2WF	HP0208	7600K	80	2.80	4.60	190	240	165	120	700
HP5050WY2WG	HP0209	2700K	80	4.80	6.90	210	430	130	120	1000
HP5050WV2WG	HP0210	3000K	80	4.80	6.90	210	430	135	120	1000
HP5050WU2WG	HP0211	3500K	80	4.80	6.90	210	430	140	120	1000
HP5050WT2WG	HP0212	4000K	80	4.80	6.90	210	430	143	120	1000
HP5050WR2WG	HP0213	5000K	80	4.80	6.90	210	430	150	120	1000
HP5050WQ2WG	HP0214	5700K	80	4.80	6.90	210	430	155	120	1000
HP5050WP2WG	HP0215	6500K	80	4.80	6.90	210	430	160	120	1000
HP5050WD2WG	HP0216	7600K	80	4.80	6.90	210	430	165	120	1000
HP5050WY8WI	HP0217	2700K	80	9.00	12.00	360	640	130	120	1400
HP5050WV8WI	HP0218	3000K	80	9.00	12.00	360	640	135	120	1400
HP5050WU8WI	HP0219	3500K	80	9.00	12.00	360	640	140	120	1400
HP5050WT8WI	HP0220	4000K	80	9.00	12.00	360	640	143	120	1400
HP5050WR8WI	HP0221	5000K	80	9.00	12.00	360	640	150	120	1400
HP5050WQ8WI	HP0222	5700K	80	9.00	12.00	360	640	155	120	1400
HP5050WP8WI	HP0223	6500K	80	9.00	12.00	360	640	160	120	1400
HP5050WD8WI	HP0224	7600K	80	9.00	12.00	360	640	165	120	1400

5050 UV high-power LEDs series

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		RADIOMETRIC POWER [3] (mW)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2θ 1/2	(mA)
HP5050V1WE	UVSL1501	254	250	270	30	50	4.50	7.00	120	350
HP5050V3WE	UVSL1502	275	270	290	40	60	4.50	7.00	120	350
HP5050V7WE	UVSL1503	310	310	340	50	80	4.50	7.00	120	350
HP5050VCWE	UVSL1504	365	360	370	190	500	2.80	4.50	120	350
HP5050VDWE	UVSL1505	375	370	380	120	300	2.80	4.50	120	350
HP5050VEWE	UVSL1506	385	380	390	120	300	2.80	4.50	120	350
HP5050VFWE	UVSL1507	395	390	400	80	300	2.80	4.50	120	350
HP5050VEWE	UVSL1508	405	400	410	80	120	2.80	4.50	120	350
HP5050V1WF	UVSL1509	254	250	270	40	60	4.50	7.00	120	500
HP5050V3WF	UVSL1510	275	270	290	50	70	4.50	7.00	120	500
HP5050V7WF	UVSL1511	310	310	340	70	90	4.50	7.00	120	500
HP5050VCWF	UVSL1512	365	360	370	670	870	2.80	4.50	120	500
HP5050VDFW	UVSL1513	375	370	380	670	870	2.80	4.50	120	500
HP5050VEWF	UVSL1514	385	380	390	570	670	2.80	4.50	120	500
HP5050VFWF	UVSL1515	395	390	400	490	670	2.80	4.50	120	500
HP5050VEWF	UVSL1516	405	400	410	410	570	2.80	4.50	120	500

5050 IR high-power LEDs series

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		RADIOMETRIC POWER [3] ( (mW/sr)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2θ 1/2	(mA)
HP50505IH2WE	THLIL0901	850	830	860	290	490	1.40	2.00	135	800
HP50505IK2WE	THLIL0902	880	870	890	290	490	1.40	2.00	135	800
HP50505IQ2WE	THLIL0903	940	830	850	670	1070	1.40	2.00	265	800
HP50505IH4WG	THLIL0904	850	830	860	770	1270	1.50	2.40	257	1000
HP50505IK4WG	THLIL0905	880	870	890	770	1270	1.50	2.40	257	1000
HP50505IQ4WG	THLIL0906	940	830	850	1070	1470	1.50	2.40	290	1000
HP50505IH8WG	THLIL0907	850	830	860	870	1470	1.50	2.40	220	1500
HP50505IK8WG	THLIL0908	880	870	890	870	1470	1.50	2.40	220	1500
HP50505IQ8WG	THLIL0909	940	830	850	1070	1670	1.50	2.40	350	1500

7070 high-power LEDs series

SIZE:mm

Type: 7070 ceramic high-power LEDs

Size: 7.0 mm x 7.0 mm

Power: 3-14 W

Voltage: 3V-12 V

Color CCT: 3000/4000/5000K

Color: red, orange, yellow, green, emerald green, blue, purple,IR

Current: <1500 mA

Efficacy: 80-160 lm/w

CRI: 90 CRI

Appearance: Clear

Packaging substrate: ceramic

Material: 99.99% gold

Chip material: LGaP、GaAs、GaAsP、GaAlAs etc.

Chip brand: Jingyuan, Sanan, CREE, Toyota, New Century;

Chip specifications: typical specifications ,38\*38mil, 40\*40mil, 45\*45mil, etc.;

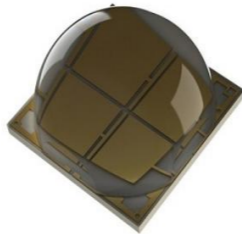
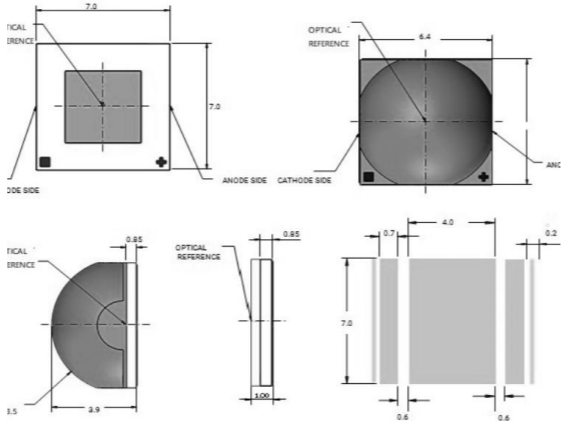
Divergence angle: 120° [Optional angle: 60° 90°]

Certification standards: ROHS, REACH, EN60471.

Operating temperature: -40°C to +85°C

AREAS OF APPLICATION

medical instruments,  
testing equipment,  
PCR,  
biotechnology



Absolute Maximum Ratings

PARAMETER	RED \ ORANGE \ YELLOW\ GENERAL GREEN\ IR	UV\ GREEN \ BLUE \ WHITE
Parameter PD (mW)	≤12 (3W/CHIP)	≤14W (3W/CHIP)
DC Forward Current [1, 2]	700	1200
Peak Pulsed Forward Current [1, 3]	1000	1500
LED Junction Temperature [1] (DC & Pulse)	125°C	
Reverse Voltage (Vreverse)	5	
ESD Sensitivity (ANSI/ESDA/JEDEC JS-001-2012)	Class 2	
LED Storage Temperature	-40°C to 80°C	
Operating Temperature Range	Minus 40°C To plus 80°C	
Soldering Temperature	JEDEC 020c 260°C	
Allowable Reflow Cycles	3~5 Seconds	
ESD Sensitivity	2000V HBM	

7070 high-power Color LEDs series

Product Selection Guide

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		TYPICAL FLUX [3] (mcd)		FORWARD VOLTAGE [1] (Vf)		EFFICACY	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	(lm/W)	(mA)
HP7070B52WF	HP0325	460	460	470	150	180	2.6	3.2	50	700
HP7070B62WF	HP0326	470	470	480	150	180	2.6	3.2	50	700
HP7070G02WF	HP0327	500	500	510	330	360	2.6	3.2	110	700
HP7070G12WF	HP0328	510	510	520	360	390	2.6	3.2	120	700
HP7070G22WF	HP0329	520	520	530	390	420	2.6	3.2	130	700
HP7070G32WF	HP0330	530	530	540	360	390	2.6	3.2	125	700
HP7070Y22WF	HP0331	585	585	595	150	200	1.8	2.4	55	700
HP7070AO2WF	HP0332	605	600	610	150	200	1.8	2.4	60	700
HP7070R22WF	HP0333	620	610	630	160	200	1.8	2.4	65	700
HP7070R32WF	HP0334	630	620	640	160	200	1.8	2.4	60	700
HP7070R42WF	HP0335	640	640	660	95	140	1.8	2.4	60	700
HP7070R62WF	HP0336	660	660	680	24	30	1.8	2.4	30	700
HP7070B52WG	HP0337	460	460	470	240	280	2.6	3.2	50	1400
HP7070B62WG	HP0338	470	470	480	240	280	2.6	3.2	50	1400
HP7070G02WG	HP0339	500	500	510	480	560	2.6	3.2	110	1400
HP7070G12WG	HP0340	510	510	520	480	560	2.6	3.2	120	1400
HP7070G22WG	HP0341	520	520	530	560	640	2.6	3.2	130	1400
HP7070G32WG	HP0342	530	530	540	560	640	2.6	3.2	125	1400
HP7070Y22WG	HP0343	585	585	595	280	320	1.8	2.4	55	1400
HP7070AO2WG	HP0344	605	600	610	280	320	1.8	2.4	60	1400
HP7070R22WG	HP0345	620	610	630	320	400	1.8	2.4	65	1400
HP7070R32WG	HP0346	630	620	640	320	400	1.8	2.4	60	1400
HP7070R42WG	HP0347	640	640	660	160	200	1.8	2.4	60	1400
HP7070R62WG	HP0348	660	660	680	32	40	1.8	2.4	60	1400

7070 UV high-power LEDs series

RODUCT	RANK NO.	NOMINAL [1]	PEAK WAVELENGTH [2] (nm)		RADIOMETRIC POWER [3] (mW)		FORWARD VOLTAGE [1] (Vf)		TYPICAL DEG	TEST CURRENT
		NM	MIN	MAX	MIN	MAX	MIN	MAX	2Θ 1/2	(mA)
HP7070VCWG	UVSL1612	365	360	370	780	1060	2.80	4.50	120	1000
HP7070VDWG	UVSL1613	375	370	380	500	780	2.80	4.50	120	1000
HP7070VEWG	UVSL1614	385	380	390	780	1060	2.80	4.50	120	1000
HP7070VFWG	UVSL1615	395	390	400	1060	2460	2.80	4.50	120	1000
HP7070VEWG	UVSL1616	405	400	410	1060	2460	2.80	4.50	120	1000
HP7070VCWH	UVSL1620	365	360	370	1560	2460	2.80	4.50	120	1400
HP7070VDWH	UVSL1621	375	370	380	1560	2460	2.80	4.50	120	1400
HP7070VEWH	UVSL1622	385	380	390	1560	3360	2.80	4.50	120	1400
HP7070VFWH	UVSL1623	395	390	400	2460	3660	2.80	4.50	120	1400
HP7070VEWH	UVSL1624	405	400	410	2460	5760	2.80	4.50	120	1400



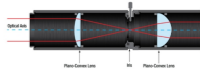
7070 White high-power LEDs series

PRODUCT	RANK NO.	NOMINAL [1]	CRI [2]	FORWARD VOLTAGE [3] (Vf)		TYPICAL FLUX [4] (lm)		EFFICACY	TYPICAL	TEST CURRENT
		CCT/K	Ra	MIN	MAX	MIN	MAX	(lm/W)	2θ 1/2	(mA)
HP7070WY2WF	HP0301	2700K	80	2.80	4.60	190	240	135	120	700
HP7070WV2WF	HP0302	3000K	80	2.80	4.60	190	240	140	120	700
HP7070WU2WF	HP0303	3500K	80	2.80	4.60	190	240	143	120	700
HP7070WT2WF	HP0304	4000K	80	2.80	4.60	190	240	150	120	700
HP7070WR2WF	HP0305	5000K	80	2.80	4.60	190	240	155	120	700
HP7070WQ2WF	HP0306	5700K	80	2.80	4.60	190	240	160	120	700
HP7070WP2WF	HP0307	6500K	80	2.80	4.60	190	240	165	120	700
HP7070WD2WF	HP0308	7600K	80	2.80	4.60	190	240	130	120	700
HP7070WY2WG	HP0309	2700K	80	4.80	6.90	210	430	135	120	1000
HP7070WV2WG	HP0310	3000K	80	4.80	6.90	210	430	140	120	1000
HP7070WU2WG	HP0311	3500K	80	4.80	6.90	210	430	143	120	1000
HP7070WT2WG	HP0312	4000K	80	4.80	6.90	210	430	150	120	1000
HP7070WR2WG	HP0313	5000K	80	4.80	6.90	210	430	155	120	1000
HP7070WQ2WG	HP0314	5700K	80	4.80	6.90	210	430	160	120	1000
HP7070WP2WG	HP0315	6500K	80	4.80	6.90	210	430	165	120	1000
HP7070WD2WG	HP0316	7600K	80	4.80	6.90	210	430	130	120	1000
HP7070WY8WI	HP0317	2700K	80	9.00	12.00	360	640	135	120	1400
HP7070WV8WI	HP0318	3000K	80	9.00	12.00	360	640	140	120	1400
HP7070WU8WI	HP0319	3500K	80	9.00	12.00	360	640	143	120	1400
HP7070WT8WI	HP0320	4000K	80	9.00	12.00	360	640	150	120	1400
HP7070WR8WI	HP0321	5000K	80	9.00	12.00	360	640	155	120	1400
HP7070WQ8WI	HP0322	5700K	80	9.00	12.00	360	640	160	120	1400
HP7070WP8WI	HP0323	6500K	80	9.00	12.00	360	640	165	120	1400
HP7070WD8WJ	HP0324	7600K	80	9.00	12.00	360	640	168	120	1400



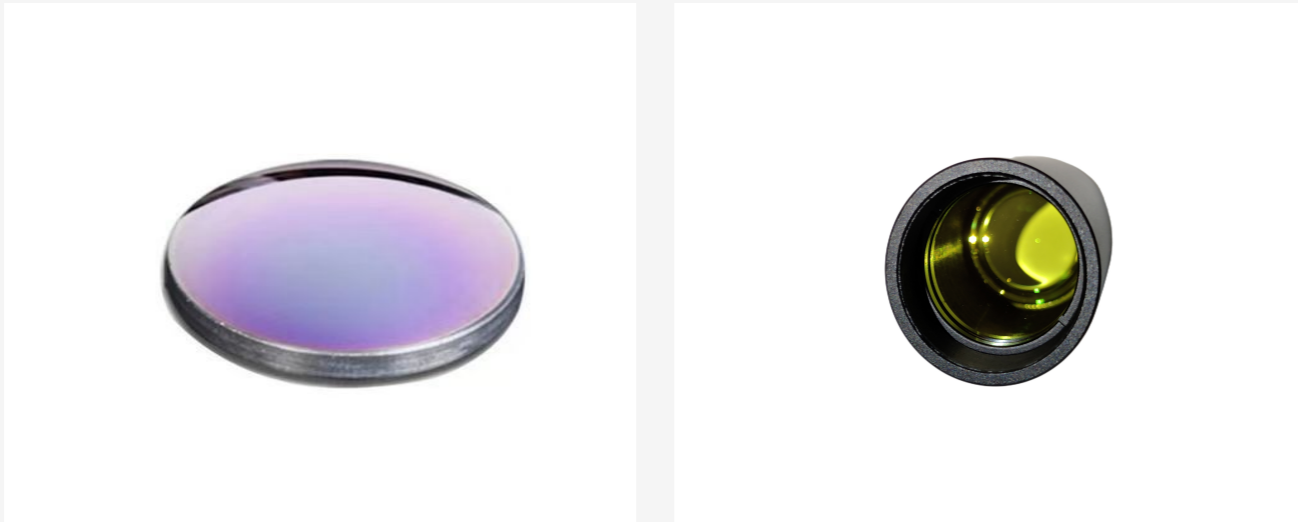


Optical Assembly Sleeve Model

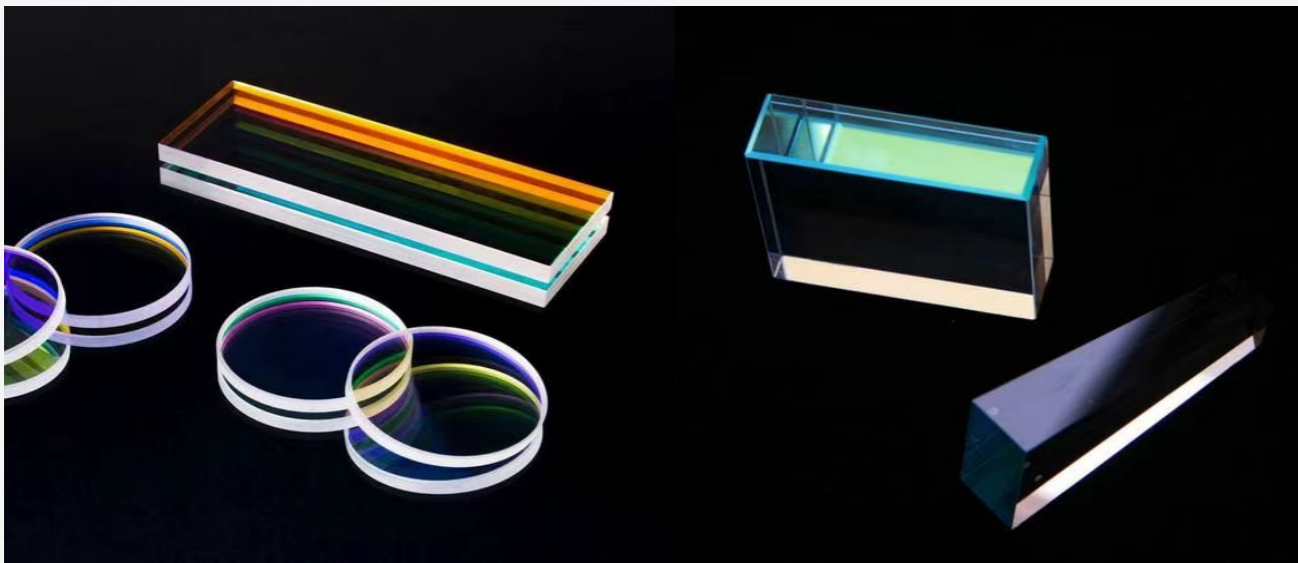


Product	Power/W	Peak/nm	If,mA TEST	VF/V	SIZE	Mounting diameter	Socket length	optical thickness	Part No.
QDF1SM8A-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	8.0mm	6.0mm	YLTGFZ01
QDF1SM8A1-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	10.5 mm	YLTGFZ02
QDF1SM12.5A-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	10.5 mm	YLTGFZ03
QDF1SM25A-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	25 mm	23 mm	YLTGFZ04
QDF1SM50A-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	50 mm	48mm	YLTGFZ05
QDF1SM50C2-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	50 mm	48 mm	YLTGFZ06
QDF1SM75A-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	75 mm	73 mm	YLTGFZ07
QDF1SM8B-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	8.0 mm	4.0 mm	YLTGFZ08
QDF1SM12.5B-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	8.5 mm	YLTGFZ09
QDF1SM25B-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	25 mm	21 mm	YLTGFZ10
QDF1SM50B-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	50 mm	46 mm	YLTGFZ11
QDF1SM8C-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	8.0 mm	23.5mm	YLTGFZ12
QDF1SM12.5C-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	23.5mm	YLTGFZ13
QDF1SM25C-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	25 mm	23.5mm	YLTGFZ14
QDF1SM50C-B	0.2	365-800nm	20-60MA	1.5-4V	Ø1	φ25.4mm	50 mm	23.5mm	YLTGFZ15
QDF2SM8A-B	0.2	365-800nm	20-60MA	1.5-4V	Ø2	φ50.8mm	8.0mm	6.0 mm	YLTGFZ16
QDF2SM25A-B	0.2	365-800nm	20-60MA	1.5-4V	Ø2	φ50.8mm	25 mm	23.0 mm	YLTGFZ17
QDF2SM25B-B	0.2	365-800nm	20-60MA	1.5-4V	Ø2	φ50.8mm	25 mm	21.0 mm	YLTGFZ18
QDF2SM25C-B	0.2	365-800nm	20-60MA	1.5-4V	Ø2	φ50.8mm	25 mm	48.3 mm	YLTGFZ19
QDF1SM8A-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	8.0mm	6.0mm	YLTGFZ20
QDF1SM8A1-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	10.5 mm	YLTGFZ21
QDF1SM12.5A-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	10.5 mm	YLTGFZ22
QDF1SM25A-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	25 mm	23 mm	YLTGFZ23
QDF1SM50A-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	50 mm	48mm	YLTGFZ24
QDF1SM50C2-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	50 mm	48 mm	YLTGFZ25
QDF1SM75A-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	75 mm	73 mm	YLTGFZ26
QDF1SM8B-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	8.0 mm	4.0 mm	YLTGFZ27
QDF1SM12.5B-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	8.5 mm	YLTGFZ28
QDF1SM25B-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	25 mm	21 mm	YLTGFZ29
QDF1SM50B-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	50 mm	46 mm	YLTGFZ30
QDF1SM8C-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	8.0 mm	23.5mm	YLTGFZ31
QDF1SM12.5C-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	23.5mm	YLTGFZ32
QDF1SM25C-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	25 mm	23.5mm	YLTGFZ33
QDF1SM50C-B	3	365-800nm	300-700MA	1.5-4V	Ø1	φ25.4mm	50 mm	23.5mm	YLTGFZ34
QDF2SM8A-B	3	365-800nm	300-700MA	1.5-4V	Ø2	φ50.8mm	8.0mm	6.0 mm	YLTGFZ35
QDF2SM25A-B	3	365-800nm	300-700MA	1.5-4V	Ø2	φ50.8mm	25 mm	23.0 mm	YLTGFZ36
QDF2SM25B-B	3	365-800nm	300-700MA	1.5-4V	Ø2	φ50.8mm	25 mm	21.0 mm	YLTGFZ37
QDF2SM25C-B	3	365-800nm	300-700MA	1.5-4V	Ø2	φ50.8mm	25 mm	48.3 mm	YLTGFZ38
QDF1SM8C-B	3	Warm White	300-700MA	1.5-4V	Ø1	φ25.4mm	8.0 mm	23.5mm	YLTGFZ39
QDF1WSM12.5C-B	3	Warm White	300-700MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	23.5mm	YLTGFZ40
QDF1WSM25C-B	3	Warm White	300-700MA	1.5-4V	Ø1	φ25.4mm	25 mm	23.5mm	YLTGFZ41
QDF1WSM50C-B	3	Warm White	300-700MA	1.5-4V	Ø1	φ25.4mm	50 mm	23.5mm	YLTGFZ42
QDF1WSM8C-B	3	white	300-700MA	1.5-4V	Ø1	φ25.4mm	8.0 mm	23.5mm	YLTGFZ43
QDF1WSM12.5C-B	3	white	300-700MA	1.5-4V	Ø1	φ25.4mm	12.5 mm	23.5mm	YLTGFZ44
QDF1WSM25C-B	3	white	300-700MA	1.5-4V	Ø1	φ25.4mm	25 mm	23.5mm	YLTGFZ45
QDF1WSM50C-B	3	white	300-700MA	1.5-4V	Ø1	φ25.4mm	50 mm	23.5mm	YLTGFZ46

 Real-time fluorescent quantitative PCR detector



Add fluorescent dyes or fluorescent probes to (PCR), and use fluorescent signal accumulation to detect the entire PCR reaction process in real time. It is widely used in molecular diagnosis, molecular biology research, animal and plant quarantine, and food safety testing. Its principle The light emitted by a light source such as a laser or LED passes through a specially designed excitation interference filter, passes through the cuvette and excites the fluorophore in it, and the fluorescence emitted by the fluorophore passes through the matching designed emission interference filter and is photoelectrically emitted. Detector reception. Data is collected once in each reaction cycle, and the CT value is accurately determined through the real-time amplification curve, so that the CT value is used to determine the initial copy number of DNA according to the established standard curve, and DNA quantification in the true sense is achieved. PCR Cleverly combining computational amplification with hybridization, spectral analysis and real-time detection technologies, fluorescent signals are used to detect PCR products



 Optical Assembly Sleeve Model

	Peak/nm	If,mA TEST	VF/V	SIZE
59*59*1.0mm	470±2nm	30±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	480±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	520±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	525±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	530±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	543±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	565±2nm	22±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	570±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	580±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	585±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	612±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	630±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	665±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	675±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	680±2nm	20±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	725±2nm	30±2nm	ODave>6@350-800nm	OD>3@800-1050nm
59*59*1.0mm	800±2nm	30±2nm	ODave>6@350-800nm	OD>3@800-1050nm

The thickness of the regular lens is 1.0mm. The size can be processed as required. The conventional size diameter is 12\*6.0mm.

dye	ATTO425	FAM	HEX/VIC	TAMRA	ROX	CY5	CY5.5	CY7
Excitation filter	EX430/24	EX470/30	EX530/20	EX543/20	EX570/20	EX630/20	EX675/20	EXT25/30
		EX480/20	EX523/20		EX580/20	EX620/20	EM655/20	EXT25/40
		EX485/20			EM585/20	EX624/40		EXT15/70
Emission Filters	EM480/30	EM520/20	EM565/22	EM585/20	EM612/20	EM675/20	EM725/30	EM800/30
	EM480/20	EM525/20	EM564/22		EM615/40	EM655/20	EM725/40	EM800/60
			EX570/20		EM620/20	EM665/20		
						EM680/20		
						EM694/40		
Dichroic Mirrors	DM450	DM505	DM550	DM565	DM590	DM647	DM700	DM770

### solution

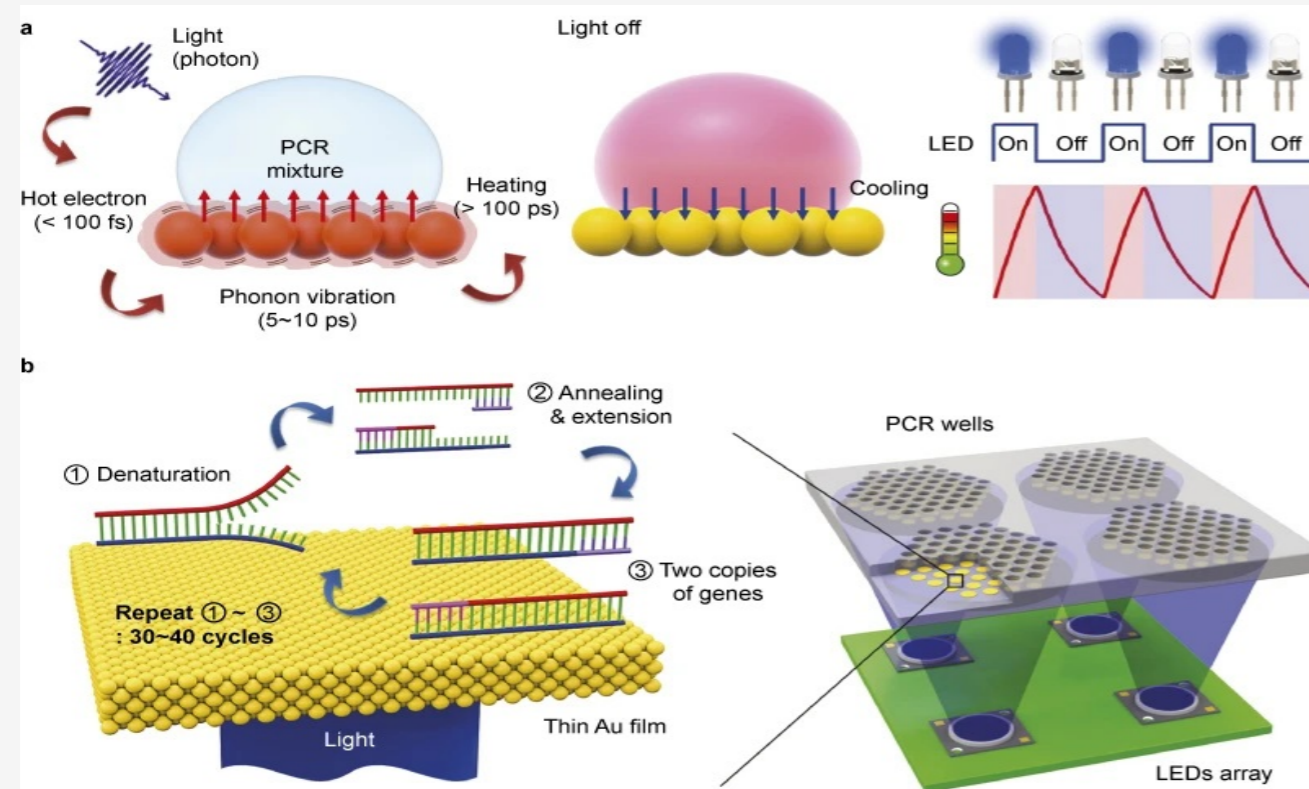
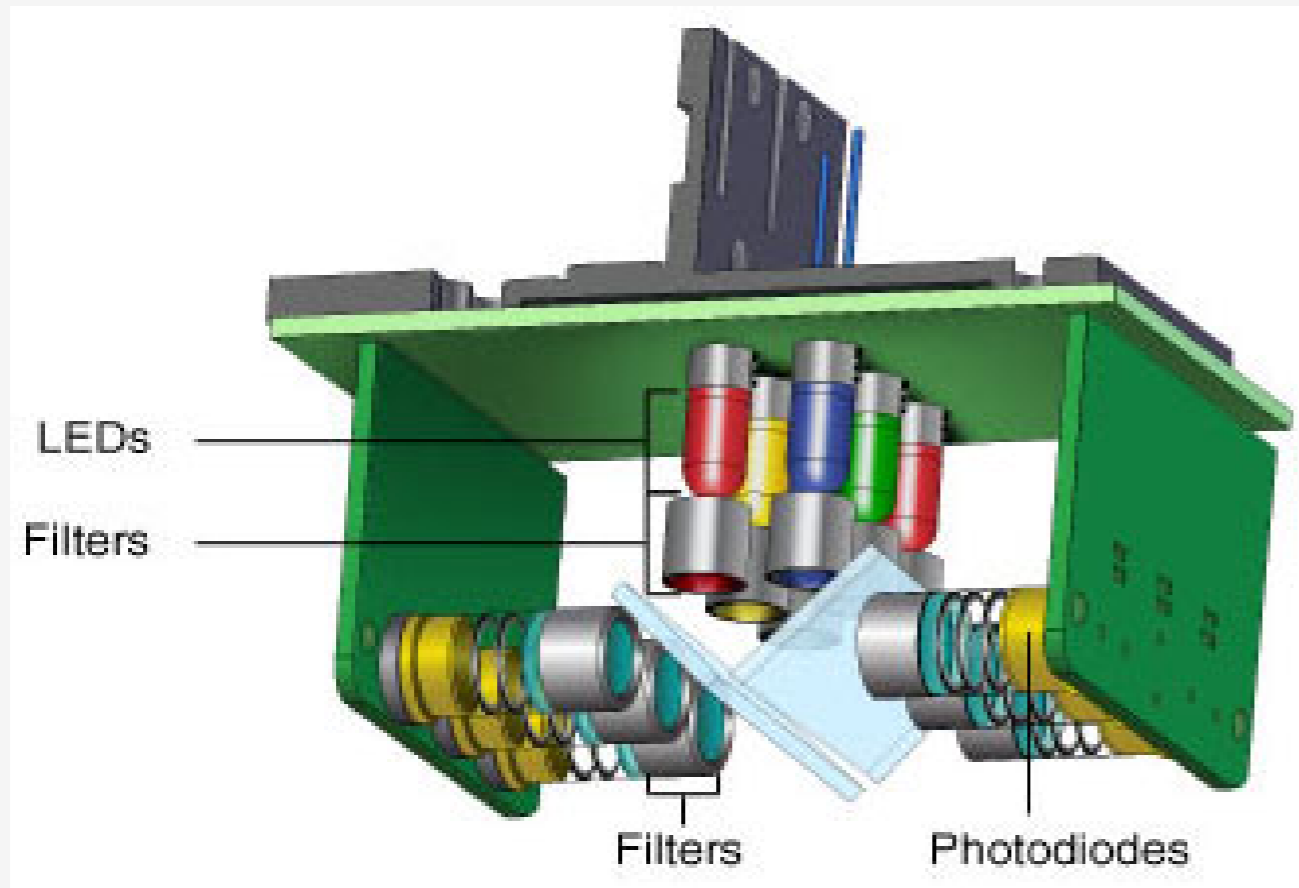
Commonly used medical solutions

Ex/365Em/610R365/T610  
Ex/470Em/525R470/T525  
Ex/520Em/570R520/T570

Atto425 Ex/430Em/480  
FAMEx/470Em/515  
HEXEx/535Em/565  
ROXEx/585Em/610  
CY5Ex/628Em/670  
CY5.5Ex/682Em/725  
CY7  
Ex/750Em/800

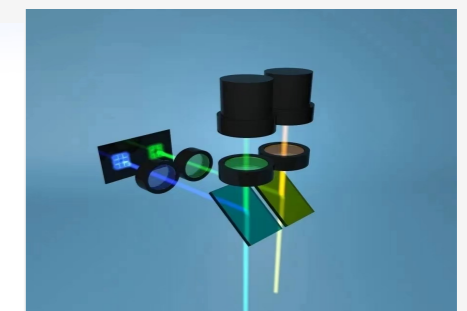
Standard seven-color 14-channel fluorescence filter, can be matched with dichroic mirror and lens group。Narrow Band Filters:  
★Can be glued to achieve φ12\*6.0mm including collar  
★Single chip can realize 5\*5\*1.1mmDichroic mirror, can be customized according to the required size

Real-time fluorescence [optical] detector principle diagram



# OPTICAL LENSES

Multiple specifications available  
Striving for Excellence in Metal Heat Treatment Process and Precision Quality



# Global Marketing Client Network



# Customer cooperation



# QUEENDOM Enterprise Promotion Free Statement

Copyright: All intellectual property rights of the QUEENDOM trademark, including but not limited to the trademark pattern, trademark name, and scope of trademark use, belong to Queendom Group Technology Co., Ltd.

Legal use: With the written authorization of Queendom Group Technology Co., Ltd., the partner can legally use the QUEENDOM trademark, but it must be used within the scope agreed in the contract and comply with relevant laws and regulations.

Queendom Group Technology Co., Ltd. has always been committed to providing customers with high-quality products and services and maintaining a good cooperative relationship with all partners. The company has always been adhering to good faith management, abiding by laws and regulations, and never doing anything illegal or illegal.

The interpretation, application, and dispute resolution of this statement shall be subject to the laws of the People's Republic of China. If there is a dispute with any third party, it should be resolved through friendly negotiation as much as possible.

Queendom Group Technology Co., Ltd. reserves the right to modify this statement at any time.

The modified version will take effect upon publication and replace the original statement. It is recommended that relevant parties pay attention to the update of this statement regularly.

The above is the full content of the QUEENDOM Enterprise Promotion Free Statement. We look forward to working with all parties