

2018 CATALOG

UV LED

Product Catalog

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About LG Innotek

Corporate Overview

LG Innotek aims to become “a Materials & Components Engineering Service Company making Every Customer a Winner.” Its six business domains range from materials and components to modules (Mobile, Automotive, LED, Display, Semiconductor and IoT), contributing to both forward and backward industries and to the growth of its client companies. Since its establishment, LG Innotek has devoted itself to technology R&D and effective market penetration to secure cutting-edge technologies and marketing power. As a result, LG Innotek has firmly established itself as a globally competitive company. Also, LG Innotek has successfully expanded into new businesses, completing a sustainable business portfolio to maintain its leadership in the cutting-edge materials • components market by creating the highest customer value.

Establishment
August 22, 1970

CEO
Park, Jong Seok

Global Network
Domestic : 6
Overseas : 17
(Sales Offices & Subsidiaries)

Business Area



Mobile

- Camera Module
- Touch Panel
- PCB (Build-up, RFPCB)
- Wireless Power Charger
- Flash/Side View LED



Automotive

- Motor & Sensor
- Connectivity & ADAS
- For xEV
- Wireless Power Charger
- PCB
- Thermoelectric Module
- LED Lighting



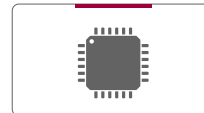
LED

- LED Lighting
- Chip / Package / Module
- Driver
- Wireless Control System
- UV LED
- Mobile
- Display
- Automotive



Display

- Photo Mask
- Digital Tuner
- Touch Panel
- Power Module
- Wi-Fi Module
- LED BLU



Semiconductor

- Flip Chip CSP
- CSP (Ultra Thin)
- SiP
- COF
- 2 Metal COF
- COB (Smart IC)



IoT

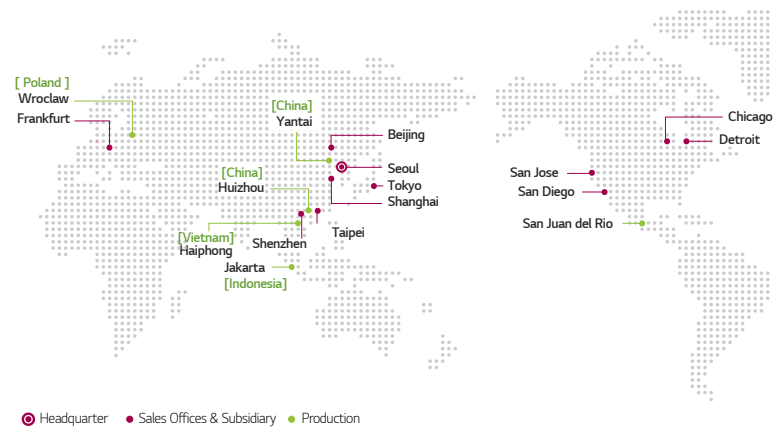
- Network Camera
- Smart Camera
- Wireless Modem (3G/4G)
- Mobile Router
- Wireless Control System
- Real Time Location System
- Electronic Shelf Label

About LG Innotek

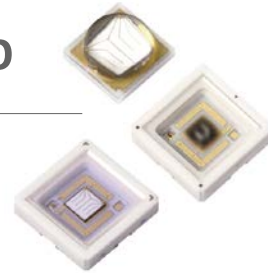
Global Network

Domestic : 5 Workplaces, **1** Main R&D Center

Overseas : 6 Production Subsidiaries, **10** Sales Offices & Subsidiaries, **1** Subsidiary R&D Lab

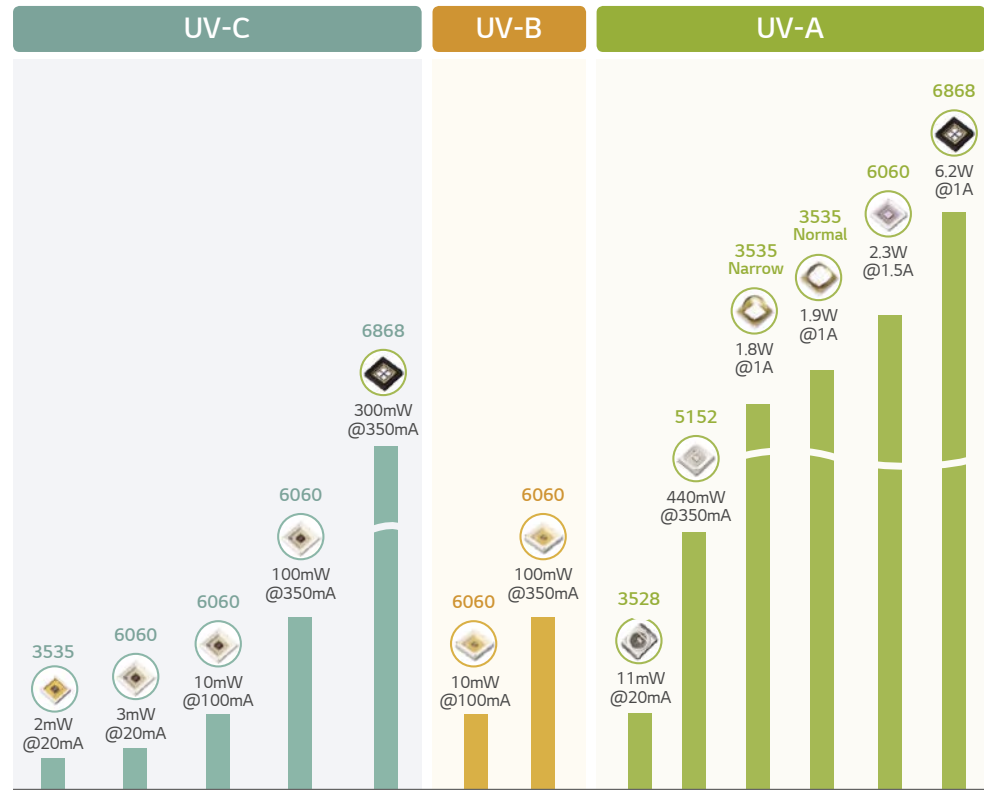


UV LED Product Line-up



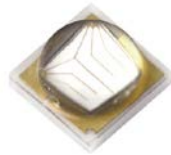
UV LED

UV LED Product Line-up



Applications

Product	Wavelength (nm)	Applications						
		Industrial Applications (Curing, Printing)	Photo Catalysis	Exposure Machine	Bio/ Medical	Air/Water Purification	Sterilization	Food Preservation
UV-A	365-405nm	○	○	○				
UV-B	305nm	○			○			○
UV-C	278nm	○			○	○	○	○



UV-A

3535 Series (Normal)

Size(LxWxH)

3.4x3.4x2.37mm

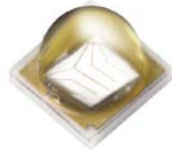
Beam Angle

130°

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number	
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)				
G1	365	500	1,000	3.5	130°	4.5	LEUVA33U70RL00	
		700	1,360	3.6				
	385	500	1,200	3.4	130°	4.5	LEUVA33U70TL01	
		700	1,630	3.5				
	395	500	1,200	3.4	130°	4.5	LEUVA33U70UL01	
		700	1,630	3.5				
	405	500	1,200	3.4	130°	4.5	LEUVA33U70VL01	
		700	1,630	3.5				
	415	500	1,000	3.4	130°	4.5	LEUVA33U70WL01	
		700	1,360	3.5				
	H1	365	1000	1,800	3.7	130°	4.5	LEUVA33W70RL00
			1500	2,640	3.8			
385		1000	1,900	3.5	130°	4.5	LEUVA33W70TL00	
		1500	2,750	3.6				
395		1000	1,900	3.5	130°	4.5	LEUVA33W70UL00	
		1500	2,750	3.6				
405		1000	1,900	3.5	130°	4.5	LEUVA33W70VL00	
		1500	2,750	3.6				
415		1000	1,800	3.5	130°	4.5	LEUVA33W70WL00	
		1500	2,640	3.6				

UV LED



UV-A

3535 Series (Narrow)

Size(LxWxH)

3.4x3.4x3.34mm

Beam Angle

G1: 55° / H1: 75°

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
G1	365	500	960	3.5	55°	4.5	LEUVA35T01RL01
		700	1,300	3.6			
	385	500	1,150	3.4	55°	4.5	LEUVA35T01TL00
		700	1,560	3.5			
	395	500	1,150	3.4	55°	4.5	LEUVA35T01UL00
		700	1,560	3.5			
	405	500	1,150	3.4	55°	4.5	LEUVA35T01VL00
		700	1,560	3.5			
	415	500	960	3.4	55°	4.5	LEUVA35T01WL00
		700	1,300	3.5			
H1	365	1000	1,720	3.7	75°	4.5	LEUVA35W70RL00
		1500	2,530	3.8			
	385	1000	1,820	3.5	75°	4.5	LEUVA35W70TL00
		1500	2,640	3.6			
	395	1000	1,820	3.5	75°	4.5	LEUVA35W70UL00
		1500	2,640	3.6			
	405	1000	1,820	3.5	75°	4.5	LEUVA35W70VL00
		1500	2,640	3.6			
	415	1000	1,720	3.5	75°	4.5	LEUVA35W70WL00
		1500	2,530	3.6			



UV-A 3528 Series

Size(LxWxH) 3.5x2.8x0.9mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
3528 1in1	385	20	11	3.4	130°	48.3	LEUVS33G10TZ00



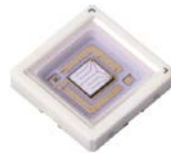
UV-A 5152 Series

Size(LxWxH) 5.1x5.2x1.0mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
5152 1in1	365	350	340	3.6	120°	3.3	LEUVS51N70RV00
		700	750	3.7			
	385	350	440	3.4	120°	3.3	LEUVS51Q00TV00
		700	790	3.6			
	395	350	440	3.4	120°	3.3	LEUVS51Q00UV00
		700	790	3.6			
	405	350	440	3.4	120°	3.3	LEUVS51Q00VV00
		700	790	3.6			

UV LED

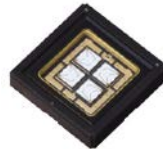


UV-A 6060 Series

Size(LxWxH) 6.0x6.0x1.2mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
6060 1in1 H1	365	1500	2,060	3.8	120°	5	LEUVA66X00RV00
		2000	2,700	3.9			
	385	1500	2,300	3.6	120°	5	LEUVA66X00TV00
		2000	2,990	3.7			
	395	1500	2,300	3.6	120°	5	LEUVA66X00UV00
		2000	2,990	3.7			
	405	1500	2,300	3.6	120°	5	LEUVA66X00W00
		2000	2,990	3.7			

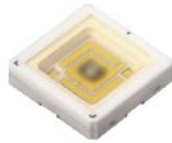


UV-A 6868 Series

Size(LxWxH) 6.8x6.8x1.45mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
6868 4in1 H1	365	1000	5,300	15.6	120°	1.3	LEUVA77000RV00
		1500	7,230	16.3			
	385	1000	6,200	14.8	120°	2.0	LEUVA77Z80TV00
		1500	8,560	15.2			
	395	1000	6,200	14.8	120°	2.0	LEUVA77Z80UV00
		1500	8,560	15.2			
	405	1000	6,200	14.8	120°	2.0	LEUVA77Z80W00
		1500	8,560	15.2			

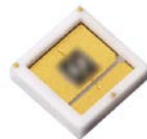


UV-B 6060 Series

Size(LxWxH) 6.0x6.0x1.35mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
6060 1in1	305	100	10	7.0	126°	32	LEUVA66G00KF00
		350	100	7.0	120°	12	LEUVA66H00KU00



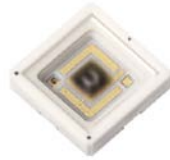
UV-C 3535 Series

Size(LxWxH) 3.5x3.5x1.42mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
3535	278	20	2	7.5	126°	-	LEUVK37B50HF00

UV LED

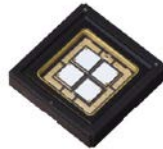


UV-C 6060 Series

Size(LxWxH) 6.0x6.0x1.35mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
6060	278	20	3	6.5	126°	37	LEUVA66B00HF00
		100	10	7.0	126°	32	LEUVA66G00HF00
		350	100	7.0	120°	24.5	LEUVA66H70HF00



UV-C 6868 Series

Size(LxWxH) 6.8x6.8x1.45mm

Specification

Category	Optical Characteristics				Beam Angle (Degree)	Rth (Tj-s)	Part Number
	Wavelength (nm)	Forward Current (mA)	Optical Power (mW)	Forward Voltage (V)			
6868 4in1	278	200	200	30	120°	-	LEUVA77M00HU00
		350	300	32	120°		

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